PREPARED FOR:
CALTRANS DISTRICT 4
111 GRAND AVENUE, 12TH FLOOR
OAKLAND, CA 94612

PREPARED BY:
GEOCON CONSULTANTS, INC.
6671 BRISA STREET
LIVERMORE, CALIFORNIA

GEOCON PROJECT NO. E8415-06-83
CALTRANS EA 04-3A5114

JANUARY 2010

GEOCON
CONSULTANTS, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. E8415-06-83
January 20, 2010

Mr. Chris Bledsoe
Caltrans – District 4
111 Grand Avenue
Oakland, California 94612

Subject: UST REMOVAL REPORT
29TH STREET
OAKLAND, CALIFORNIA
CONTRACT NO. 43A0199, EA 04-3A5114

Dear Mr. Bledsoe:

Geocon has prepared this *UST Removal Report* for the above referenced site on behalf of Caltrans - District 4 (Caltrans). The report contains details of field services and laboratory analytical results.

A copy of Caltrans' authorization letter to submit the report to the Alameda County Environmental Health Department is provided in Appendix F. Please contact the undersigned if you have any questions or comments.

Sincerely,
GEOCON CONSULTANTS, INC.

John Love, PG
Sr. Project Geologist

PROFESSIONAL GEOLOGIST
JOHN W. LOVE
No. 6315
Expires 11-30-10
STATE OF CALIFORNIA

Richard Day, CEG, CHG
Regional Manager

JWL:RWD

(3) Addressee
(1) Donna Drogos, Alameda County Health Care Services Agency (electronic submittal)

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UST REMOVAL REPORT

1.0 INTRODUCTION

On behalf of the California Department of Transportation (Caltrans) - District 4, Geocon removed one approximately 1,500-gallon underground storage tank (UST) located beneath the sidewalk along the south side of 29th Street in Oakland, under the Bay Area Rapid Transit (BART) overpass. In addition to removing the UST, Geocon also over-excavated and arranged for the disposal of 68 tons of petroleum-impacted soil underlying and surrounding the tank.

This report was prepared under Caltrans Contract No. 43A0199, Task Order No. 04-2007-69.

1.1 Site Description

The UST was located beneath the sidewalk along the south side of 29th Street, under the BART tracks overpass in Oakland, California (see Figure 1). The UST was situated adjacent to the overpass concrete pier footing as shown in the site photographs provided in Appendix A.

1.2 Background

The UST was discovered by BART's contractor during seismic retrofit construction activities on October 29, 2009. The UST was measured to be 10 feet long by 5 feet wide, which calculates to approximately 1,500 gallons in capacity. The UST was filled with a fuel and water mix. The percentage of each was difficult to assess, but it appeared that the UST was mostly filled with fuel product.

On October 30, 2009, Caltrans requested that Geocon Consultants, Inc. (Geocon) examine the UST and collect liquid samples from the tank to determine its contents. Fluid samples were collected from the UST on October 30, 2009. Since the volume of product present in each sample container was 50 percent or more, the laboratory was directed to analyze the water fraction of each sample for laboratory analysis. Visual observations of the fuel product indicated the UST was likely used to store fuel oil, thus Geocon had the fluid samples analyzed for total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd), and motor oil (TPHmo), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and California Assessment Manual (CAM) 17 metals. The fuel product was also analyzed for flammability.

The analytical results of the fluid samples are tabulated in Tables 1 and 2, and copies of the analytical laboratory data sheets are provided in Appendix B.

Analytical laboratory results of the fluid samples confirmed the contents of the UST contained fuel oil.

1.2 Scope of Services

The general scope of services conducted in conjunction with this project consisted of the following:

- Remove fuel product and water inside the UST and dispose;
- Remove, load, manifest, and transport UST to a recycling facility;
- Over-excavate approximately 68 tons of petroleum hydrocarbon-impacted soil for offsite disposal;
- Collect excavation confirmation soil samples;
- Backfill excavation to within four-feet of ground surface with controlled density fill (CDF);
- Load, transport, and dispose soil at the Protrero Hills Landfill in Fairfield, California; and
- Prepare this report.

2.0 UST REMOVAL

2.1 UST Removal and Soil Over-Excavation

On November 5, 2009, NRC Environmental Services (NRC) removed and disposed the fuel oil/water mix fluids in the UST. The fluids were disposed of as hazardous waste at the Evergreen Oil, Inc. facility in Newark, California. A copy of the hazardous waste manifest is provided in Appendix C. The contents of the tank were removed for public safety reasons four days prior to the scheduled removal date of the UST on November 9, 2009.

On November 9, 2009, one 1,500-gallon single-wall steel UST was removed from the site under the direction of the City of Oakland Fire Department (OFD). A copy of the OFD UST removal permit is provided in Appendix D.

Prior to removing the UST, the inside of the UST was cleaned using a non-phosphate detergent and triple rinsed using a pressure washer. The resultant rinsate fluids were removed by NRC and disposed under hazardous waste manifest. A copy of the manifest is provided in Appendix C.

Prior to removing the UST, the atmosphere in the UST was rendered inert by adding 50 pounds of dry ice to displace organic vapors that may have been present in the UST after the triple rinse process was complete. A Gastech meter was used to confirm the atmosphere inside the UST was less than 10 percent of the lower explosive limit (LEL) prior to physically removing the UST from the ground.

After the UST was hoisted out of the ground free product was observed in soil surrounding and underlying the UST. No holes were observed in the UST, except in one location where the backhoe bucket punctured the sidewall of the vessel during the removal process. As a result of the obvious soil contamination, Geocon arranged to have NRC deliver one 20 cubic yard (yd^3) bin to the site that day for the purpose of storing petroleum-impacted soil that was planned to be remove prior to collecting confirmation soil samples from the UST cavity.

After the UST was removed on November 9, 2009, an attempt was made to over-excavate petroleum hydrocarbon-impacted soil surrounding the former UST; however it became apparent that the volume of impacted soil was more than could be temporarily stored on site that day and the remediation effort was postponed until the next day when several additional bins could be delivered to the site.

On November 10, 2009, soil over-excavation was conducted to remove as much impacted soil as practical given the former UST's proximity to the BART tracks overpass pier footing and the road surface of 29th Street (see Photographs in Appendix A). The excavation was dug to an approximate depth of 11 feet, and it was enlarged to an area measuring 15 feet long by 9 feet wide (Figure 2).

Five soil samples were collected from the completed excavation under the direction of the OFD Assistant Fire Marshall Keith Mathews. Two soil samples (BE-11' and BW-11') were collected from the bottom of the excavation and three soil samples (S-6', W-6', and N-6') were collected at a depth of six feet from the sidewalls of the excavation where an approximately one-foot-thick zone of bluish-green soil staining and petroleum odors were observed. A soil sample was not collected along the east sidewall at six feet because free product was observed in this area during the sample collection process. This area was covered with loose soil at the time the rest of the excavation soil samples were being collected and the obvious impacts to soil in this area were not visible. After the loose soil was removed using a shovel a vein of sandy gravel containing product was detected. (Due to physical constraints, the backhoe was not able to clean off this sidewall and a shovel was used to dig down to a fresh surface to collect a soil sample). The excavation confirmation soil sample locations are shown on Figure 2.

After the confirmation soil samples were collected on November 10, 2009, and free product was observed in soil along the east sidewall at approximately six feet below ground surface (bgs), a three-foot-wide trench was dug about 12 feet east of the excavation (see Figure 2) to assess the lateral extent of the contamination. The trench was dug to approximately 9 feet bgs. No odors or stained soil were observed in the trench, so two more 20-yd^3 bins were requested delivered to the site the following day in preparation of soil removal between the existing excavation and trench on November 11, 2009.

After the trench was completed on November 10, 2009, the existing excavation and trench were backfilled with 30-yd^3 of two-sack controlled density fill (CDF) to within approximately four feet of ground surface (see Photographs in Appendix A), the original depth of BART's excavation before the UST was discovered.

On November 11, 2009, Geocon mobilized to the site and over-excavated the soil located between the existing excavation and trench, which had been backfilled the prior day with CDF. After the excavation was extended to 9 feet bgs, four confirmation soil samples (BEE-9', EES-5', EEN-6', and EEE-6') were collected, and the excavated area was backfilled with 10-yd^3 of CDF.

On November 10 and 11, 2009, Geocon excavated approximately 68 tons of petroleum-hydrocarbon impacted soil surrounding and underlying the former UST. The soil was temporarily stored on site in six 20-yd^3 bins pending eventual acceptance for disposal as non-hazardous waste at the Protrero Hills Landfill in Fairfield, California.

2.1.1 Excavation Soil Sampling Procedures, Analysis, and Results

Six soil samples were collected from the sidewalls and three soil samples were collected from the bottom of the completed excavation area. The sample locations are shown on Figure 2.

Excavation soil samples were collected from the excavator bucket by driving a stainless steel sample tube into a freshly exposed surface of soil removed from selected areas of the excavation. Upon collection, each sample tube was sealed on both ends with Teflon tape and plastic end caps, and then placed in a chest cooled with ice for transport to the analytical laboratory. The soil samples were delivered under chain-of-custody protocol to McCampbell Analytical, Inc., a State of California-certified laboratory located in Pittsburg, California.

Confirmation soil samples were analyzed for TPHg, TPHd, and TPHmo following EPA Test Method 8015B; VOCs following EPA Test Method 8260B; oil & grease following State Method 5520E/F with silica gel cleanup; California Assessment Manual (CAM) 17 metals following EPA Test Method 6010/7000; and polynuclear aromatic hydrocarbons (PAHs) following EPA Test Method 8270C. PAH analysis was requested by BART officials.
Analytical results from two of the three soil samples (BE-11', BW-11', BEE-9') collected from the bottom of the excavation were reported as non-detect for all target analytes. TPHg and TPHd were reported at concentrations of 11 mg/kg and 5.4 mg/kg, respectively, in BEE-11'.

Analytical results from sidewall samples EEE-6', W-6', and EEN-6' were reported as non-detect for all target analytes, except TPHd, which was reported at a concentration of 3.9 mg/kg in EEN-6'.

TPHg, TPHd, TPHmo, oil & grease, VOCs, and PAHs were detected in soil samples collected along the south (S-6' and EES-5') and north (N-6') excavation sidewalls, with the highest concentrations being reported in S-6' located immediately south of the former UST along the concrete pier of the BART tracks overpass. The TPHg, TPHd, TPHmo, and oil & grease concentrations in S-6' ranged from 200 mg/kg (TPHg) to 8,800 mg/kg (oil &grease). VOCs and PAHs were also reported in this sample at concentrations ranging from 0.089 mg/kg (sec-butyl benzene) to 12 mg/kg (2-methylnaphthalene).

With the exception of selenium, silver, and thallium, fourteen CAM 17 metals were reported in one or more of the excavation confirmation soil samples

Excavation soil sample results are provided in Tables 3 and 4, and copies of the analytical laboratory data sheets are provided in Appendix B.

2.1.2 Stockpile Soil Sampling and Results

One four-point composite soil sample was collected on November 11, 2009, from temporarily stockpiled soil removed from around the UST. After the sample was collected, the stockpiled soil was loaded into six $20yd^3$ bins pending disposal arrangements by NRC.

Analytical laboratory results of the stockpile sample are tabulated in Tables 3 and 4, and copies of the analytical laboratory data sheets are provided in Appendix B.

3.0 SOIL DISPOSAL

On November 19, 2009, NRC loaded and transported six soil bins containing a total of 68 tons of petroleum hydrocarbon-impacted soil to the Protrero Hills Landfill in Fairfield, California.

Copies of the non-hazardous waste manifests and landfill weight tickets for each load are provided in Appendix E.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on field observations noted during the soil over-excavation activities, as well as analytical laboratory results of confirmation soil samples, the following is concluded:

- Analytical results of three soil samples (BE-11', BW-11', BEE-9') collected at the bottom of the excavation indicate the vertical extent of impacts to soil from this release are primarily limited to soils above 11 feet bgs. Soil sample results from BW-11' and BEE-9' were reported as non-detect for all target analytes, and the only detected contaminants in the BE-11' sample were TPHg and TPHd at concentrations of 11 mg/kg and 5 mg/kg, respectively. Both of these concentrations are below the Regional Water Quality Control Board San Francisco Bay Region's (RWQCB's) Tier 1 Environmental Screening Level (ESL) of 83 mg/kg for shallow soils (<3 meters) at residential and commercial sites where groundwater is a potential drinking water source (RWQCB, November 2007, Table A).

- The lateral extent of impacts to soils beyond the excavation boundaries in the east and west directions are limited. Analytical results of soil samples collected along the east (EEE-6') and west (W-6') excavation sidewalls were reported as non-detect for all target analytes.

- Analytical results of soil samples (S-6' and EES-5') collected along the south excavation sidewall indicate the bulk of subsurface contamination remaining in-place is situated in soils located beneath the footing of the concrete pier supporting the BART tracks overpass. TPHg, TPHd, TPHmo, and oil & grease concentrations reported in the S-6' soil sample ranged from 200 mg/kg (TPHg) to 8,800 mg/kg (oil &grease), and these same analytes ranged from 71 mg/kg (TPHg) to 900 mg/kg (oil & grease) in EES-5', collected approximately 12 feet east of S-6'.

- Petroleum hydrocarbon-impacted soil also remains in-place beneath 29th Avenue immediately north of the former UST; however the lateral extent of impacts to soil in this direction do not appear as widespread as they do towards the south. TPHg, TPHd, TPHmo, and oil & grease concentrations ranged from 130 mg/kg (TPHg) to 4,000 mg/kg (TPHd) in the N-6' soil sample; while the only analyte detected in soil sample EEN-6', collected along the north sidewall approximately 12 feet east of N-6', was TPHd at a concentration 3.9 mg/kg.

- Impacted soil was removed as much as practicable given the location of the site. Additional soil removal beneath the concrete footing of the BART tracks overpass and beneath the roadway of 29th Avenue does not appear warranted since there are no known sensitive

receptors in the area of the site. BART is continuing with construction activities in the area and they are aware of the contaminant concentrations remaining in soil.

Based on the above information, we recommend the site be considered for case closure by the Alameda County Environmental Health Department.

GEOCON CONSULTANTS, INC.
6671 BRISA STREET – LIVERMORE, CA 94550
PHONE 925.371.5900 – FAX 925.371.5915

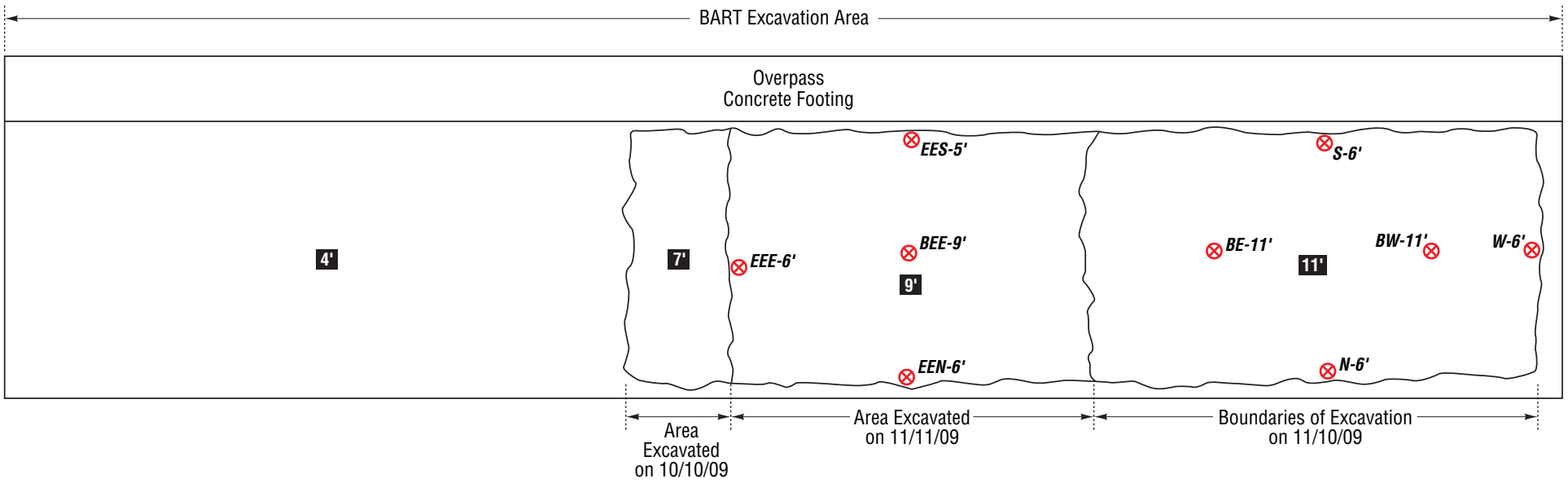
29th Street UST Removal

Oakland, California

VICINITY MAP

GEOCON Proj. No. E8415-06-83

Task Order No. 83 | January 2010 | Figure 1



LEGEND:

W-6' ⊗ Approximate Excavation Soil Sample Location

7' Approximate Excavation Depth in Feet

0 5

Approx. Scale in Feet

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29th Street UST Removal

Oakland, California

Excavation Soil Sample Location Map

GEOCON Proj. No. E8415-06-83

Task Order No. 83 | January 2010 | Figure 2

Table 1
UST Fluid Sample Results
TPHg, TPHd, TPHmo, PCBs, Detected VOCs, and Product Flammability
Caltrans - 29th Street
Oakland, California

Sample Location	Date	TPHg (ug/l)	TPHd (ug/l)	TPHmo (ug/l)	PCBs (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	Naphthalene (ug/l)	4-Methyl-2-pentanone (ug/l)	Product Flammability
1,500 Gallon UST	10/30/09	2,200	7,000,000	2,700,000	ND	55	55	19	86	155	18	>100 C^o

Notes-
ug/l - micrograms per liter
TPHg - Total petroleum hydrocarbons as gasoline
TPHd - Total petroleum hydrocarbons as diesel
TPHmo - Total petroleum hydrocarbons as motor oil
VOCs not listed above were reported as non-detect.
PCBs - Polychlorinated biphenyls
C^o - Degrees Celsius

Table 2
UST Fluid Sample Results
CAM 17 Metals
Caltrans - 29th Street
Oakland, California

Analyte	Date	1,500 Gallon UST (ug/l)
Antimony	10/30/2009	<0.5
Arsenic	10/30/2009	4.3
Barium	10/30/2009	220
Beryllium	10/30/2009	<0.5
Cadmium	10/30/2009	0.57
Chromium	10/30/2009	5.5
Cobalt	10/30/2009	1.9
Copper	10/30/2009	2.9
Lead	10/30/2009	3.8
Mercury	10/30/2009	0.038
Molybdenum	10/30/2009	0.58
Nickel	10/30/2009	6.5
Selenium	10/30/2009	0.62
Silver	10/30/2009	<0.19
Thallium	10/30/2009	<0.5
Vanadium	10/30/2009	4.4
Zinc	10/30/2009	170

Notes -
ug/l - micrograms per liter
CAM 17 metals - California Assessment Manual 17 metals
< - Not detected above stated laboratory reporting limit

Table 3
Soil Sample Results
TPHg, TPHd, TPHmo, Oil & Grease, VOCs, and PAHs
Caltrans - 29th Street
Oakland, California

Sample ID	Sample Location	Sample Depth (feet bgs)	Date	TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	Oil & Grease (mg/kg)	VOCs (mg/kg)	PAHs (mg/kg)
BW-11'	Bottom West	11	11/10/09	<1.0	<1.0	<5.0	<50	ND	ND
BE-11'	Bottom East	11	11/10/09	11	5.4	<5.0	<50	ND	ND
N-6'	North Sidewall	6	11/10/09	130	4,000	1,700	2,400	n-Butylbenzene = 0.029	Flourene = 1.2 1-Methylnaphthalene = 1.1 Phenanthrene = 0.79
S-6'	South Sidewall	6	11/10/09	200	7,200	2,500	8,800	n-Butylbenzene = 0.24 Naphthalene = 1.4 1,2,4-Trimethylbenzene = 0.69 sec-Butyl benzene = 0.089 Ethylbenzene = 0.10 n-Propyl benzene = 0.12 1,3,5-Trimethylbenzene = 0.16 Xylenes = 0.50	Acenaphthene = 0.30 Flourene = 2.3 1-Methylnaphthalene = 11 2-Methylnaphthalene = 12 Naphthalene = 1.2 Phenanthrene = 2.6
W-6'	West Sidewall	6	11/10/09	<1.0	<1.0	<5.0	<50	ND	ND
BEE-9'	Bottom East Extension	9	11/11/09	<1.0	<1.0	<5.0	<50	ND	ND
EEE-6'	East Extension East Sidewall	6	11/11/09	<1.0	<1.0	<5.0	<50	ND	ND
EES-5'	East Extension South Sidewall	5	11/11/09	71	720	300	900	n-Butyl benzene = 0.078 1,2,4-Trimethylbenzene = 0.039 1,3,5-Trimethylbenzene = 0.032	Flourene = 1.3 1-Methylnaphthalene = 6.1 2-Methylnaphthalene = 0.41 Phenanthrene = 1.6
EEN-6'	East Extension North Sidewall	6	11/11/09	<1.0	3.9	<5.0	<50	ND	ND
Stockpile A,B,C,D	4-Point Composite Stockpile Sample	- -	11/10/09	30	430	140	370	ND	NA

Notes-
mg/kg - milligrams per kilogram
bgs - below ground surface
TPHg - Total petroleum hydrocarbons as gasoline
TPHd - Total petroleum hydrocarbons as diesel
TPHmo - Total petroleum hydrocarbons as motor oil
VOCs - Volatile Organic Compounds
PAHs - Polynuclear aromatic hydrocarbons
< - Not detected above stated laboratory reporting limit
ND - Not detected
NA - Not Analyzed

Table 4
Soil Sample Results
CAM 17 Metals
Caltrans - 29th Street
Oakland, California

Analyte	BW-11' (mg/kg)	BE-11' (mg/kg)	N-6' (mg/kg)	S-6' (mg/kg)	W-6' (mg/kg)	BEE-9' (mg/kg)	EEE-6' (mg/kg)	EES-5' (mg/kg)	EEN-6' (mg/kg)	Stockpile A,B,C,D (mg/kg)
Antimony	<0.5	<0.5	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	0.80	<0.5
Arsenic	6.2	6.0	8.8	5.4	4.6	5.1	5.2	3.1	6.2	6.3
Barium	120	150	210	180	130	130	120	95	160	170
Beryllium	<0.5	0.54	0.62	<0.5	<0.5	<0.5	0.67	<0.5	0.53	<0.5
Cadmium	<0.25	<0.25	0.38	0.27	<0.25	0.47	0.42	<0.25	0.35	0
Chromium	51	72	51	49	52	68	78	47	57	48
Cobalt	25	22	11	9.8	11	13	11	7.5	5.5	16
Copper	21	22	27	22	15	20	22	22	29	21
Lead	7.3	6.6	9.6	3.9	5.5	7.4	5.0	5.6	7.2	12.0
Mercury	<0.05	<0.05	0.052	<0.05	<0.05	<0.05	0.063	<0.05	0.065	1.1
Molybdenum	0.77	1.0	2.2	1.2	1.1	0.59	0.75	1.0	2.4	1.1
Nickel	76	100	60	63	61	76	74	60	49	58
Selenium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vanadium	56	60	62	43	47	61	59	28	51	52
Zinc	35	38	61	54	46	40	43	40	62	53

Notes -
mg/kg - milligrams per kilogram
bgs - below ground surface
< - Not detected above stated laboratory reporting limit

APPENDIX A

Photo 1 – View of top of UST. Top of UST has oily staining.

Photo 2 – View looking west down 29th Street. UST is located on the other end of the excavation area.

Photo 3 – View of product being pumped out of tank by NRC Environmental Services.

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SITE PHOTOS 1, 2, & 3		
29th Street UST Removal Oakland, California		
E8415-06-83		January 2010

Photo 4 – View of top of UST after it had been unearthed.

Photo 5 – View of product in bottom of excavation after the UST had been removed.

Photo 6 – View of tank pit after over excavation on 10/10/09.

Photo 7 – View of excavation being backfilled with sand slurry on 10/10/09.

Photo 8 – View after excavation was nearly backfilled on 10/10/09. Three-foot wide can be seen backfilled in the foreground.

Photo 9 – View of excavation on 10/11/09 after additional soil was removed between excavated areas on 10/10/09.

APPENDIX B

UST Fluid Sample Results

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants 6671 Brisa St Livermore, CA 94550	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received: 10/30/09
	Client Contact: John Love	Date Reported: 11/02/09
	Client P.O.:	Date Completed: 11/02/09

WorkOrder: 0910933

November 02, 2009

Dear John:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#E8415-06-83; Caltrans 29th Ave,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0910933

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

RUSH

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH (X) 24 HR ( ) 48 HR ( ) 72 HR ( ) 5 DAY ( )

GeoTracker EDF ( ) PDF ( ) Excel ( ) Write On (DW) ( )

( ) Check if sample is effluent and "J" flag is required

Report To: John Love Bill To:
Company: Geocon Consultants, Inc.
E-Mail: love@geoconinc.com
Tele: (925) 371-5900 Fax: (925) 371-5915
Project #: E8415-06-83 Project Name: Caltrans 29th Ave
Project Location: 29th Ave, Oakland
Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
+	29th Ave UST	10/30/09	10:30	4	VOA	X						X		
	↓	↓	↓	3	1L Amb	X								

Analysis Request

~~BTEX~~ TPH as Gas (602 / ~~8021~~ 8015) ~~MTBE~~	TPH as Diesel (8015) + TPH motor oil	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY / Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
X										X							
	X						X						X				

Filter Samples for Metals analysis: Yes ( ) No (X)

Relinquished By:	Date:	Time:	Received By:
	10/30/09	1500	
Relinquished By:	Date:	Time:	Received By:
	10/30	1750	
Relinquished By:	Date:	Time:	Received By:

ICE/T: Yes 9.8°C
GOOD CONDITION: ✓
HEAD SPACE ABSENT: ✓
DECHLORINATED IN LAB: N/A
APPROPRIATE CONTAINERS: ✓
PRESERVED IN LAB: ✓

PRESERVATION: VOAS O&G METALS (pH<2) OTHER

COMMENTS: Samples are likely highly contaminated. Be careful running through lab equip.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0910933 **ClientCode: GECL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
John Love
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550
(925) 371-5900 FAX 925-371-5915

Email: love@geoconinc.com; Livermore@geoc
cc:
PO:
ProjectNo: #E8415-06-83; Caltrans 29th Ave

Bill to:
Accounts Payable
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550

Requested TAT: 1 day

Date Received: **10/30/2009**
Date Printed: **10/30/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0910933-001	29th Ave UST	Water	10/30/2009 10:30	☐	B	E	C	A								

Test Legend:

1	8082A_PCB_W	2	8260B_W	3	CAM17(T)MS_W	4	G-MBTEX_W	5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

Prepared by: Samantha Arbuckle

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **GEOCON Env. Consultants**

Date and Time Received: **10/30/2009 7:05:31 PM**

Project Name: **#E8415-06-83; Caltrans 29th Ave**

Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **0910933** Matrix Water

Carrier: Benjamin Yslas (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 9.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☑	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments: Sample preserved upon reciept.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received: 10/30/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 10/30/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 10/31/09

Polychlorinated Biphenyls (PCBs) Aroclors by GC-ECD*

Extraction Method: SW3510C Analytical Method: SW8082 Work Order: 0910933

					Reporting Limit for DF =1	
Lab ID	0910933-001B					
Client ID	29th Ave UST					
Matrix	W					
DF	200				S	W
Compound	**Concentration**				ug/kg	µg/L
Aroclor1016	ND<100				NA	0.5
Aroclor1221	ND<100				NA	0.5
Aroclor1232	ND<100				NA	0.5
Aroclor1242	ND<100				NA	0.5
Aroclor1248	ND<100				NA	0.5
Aroclor1254	ND<100				NA	0.5
Aroclor1260	ND<100				NA	0.5
PCBs, total	ND<100				NA	0.5
Surrogate Recoveries (%)						
%SS:	---#					
Comments	a2,b6					

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

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

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

a2) sample diluted due to cluttered chromatogram
b6) lighter than water immiscible sheen/product is present

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received: 10/30/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/02/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/02/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0910933

Lab ID	0910933-001E
Client ID	29th Ave UST
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<200	20	10	tert-Amyl methyl ether (TAME)	ND<10	20	0.5
Benzene	55	20	0.5	Bromobenzene	ND<10	20	0.5
Bromochloromethane	ND<10	20	0.5	Bromodichloromethane	ND<10	20	0.5
Bromoform	ND<10	20	0.5	Bromomethane	ND<10	20	0.5
2-Butanone (MEK)	ND<40	20	2.0	t-Butyl alcohol (TBA)	ND<40	20	2.0
n-Butyl benzene	ND<10	20	0.5	sec-Butyl benzene	ND<10	20	0.5
tert-Butyl benzene	ND<10	20	0.5	Carbon Disulfide	ND<10	20	0.5
Carbon Tetrachloride	ND<10	20	0.5	Chlorobenzene	ND<10	20	0.5
Chloroethane	ND<10	20	0.5	Chloroform	ND<10	20	0.5
Chloromethane	ND<10	20	0.5	2-Chlorotoluene	ND<10	20	0.5
4-Chlorotoluene	ND<10	20	0.5	Dibromochloromethane	ND<10	20	0.5
1,2-Dibromo-3-chloropropane	ND<4.0	20	0.2	1,2-Dibromoethane (EDB)	ND<10	20	0.5
Dibromomethane	ND<10	20	0.5	1,2-Dichlorobenzene	ND<10	20	0.5
1,3-Dichlorobenzene	ND<10	20	0.5	1,4-Dichlorobenzene	ND<10	20	0.5
Dichlorodifluoromethane	ND<10	20	0.5	1,1-Dichloroethane	ND<10	20	0.5
1,2-Dichloroethane (1,2-DCA)	ND<10	20	0.5	1,1-Dichloroethene	ND<10	20	0.5
cis-1,2-Dichloroethene	ND<10	20	0.5	trans-1,2-Dichloroethene	ND<10	20	0.5
1,2-Dichloropropane	ND<10	20	0.5	1,3-Dichloropropane	ND<10	20	0.5
2,2-Dichloropropane	ND<10	20	0.5	1,1-Dichloropropene	ND<10	20	0.5
cis-1,3-Dichloropropene	ND<10	20	0.5	trans-1,3-Dichloropropene	ND<10	20	0.5
Diisopropyl ether (DIPE)	ND<10	20	0.5	Ethylbenzene	19	20	0.5
Ethyl tert-butyl ether (ETBE)	ND<10	20	0.5	Freon 113	ND<200	20	10
Hexachlorobutadiene	ND<10	20	0.5	Hexachloroethane	ND<10	20	0.5
2-Hexanone	ND<10	20	0.5	Isopropylbenzene	ND<10	20	0.5
4-Isopropyl toluene	ND<10	20	0.5	Methyl-t-butyl ether (MTBE)	ND<10	20	0.5
Methylene chloride	ND<10	20	0.5	4-Methyl-2-pentanone (MIBK)	18	20	0.5
Naphthalene	150	20	0.5	n-Propyl benzene	ND<10	20	0.5
Styrene	ND<10	20	0.5	1,1,1,2-Tetrachloroethane	ND<10	20	0.5
1,1,2,2-Tetrachloroethane	ND<10	20	0.5	Tetrachloroethene	ND<10	20	0.5
Toluene	55	20	0.5	1,2,3-Trichlorobenzene	ND<10	20	0.5
1,2,4-Trichlorobenzene	ND<10	20	0.5	1,1,1-Trichloroethane	ND<10	20	0.5
1,1,2-Trichloroethane	ND<10	20	0.5	Trichloroethene	ND<10	20	0.5
Trichlorofluoromethane	ND<10	20	0.5	1,2,3-Trichloropropane	ND<10	20	0.5
1,2,4-Trimethylbenzene	41	20	0.5	1,3,5-Trimethylbenzene	ND<10	20	0.5
Vinyl Chloride	ND<10	20	0.5	Xylenes	86	20	0.5

Surrogate Recoveries (%)

%SS1:	91	%SS2:	112
%SS3:	95		

Comments: b6

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b6) lighter than water immiscible sheen/product is present

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received 10/30/09
6671 Brisa St	Client Contact: John Love	Date Extracted 10/30/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/02/09

CAM / CCR 17 Metals*

					Reporting Limit for DF =1; ND means not detected above the reporting limit	
Lab ID	0910933-001C					
Client ID	29th Ave UST					
Matrix	W				S	W
Extraction Type	TOTAL				mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0910933

Dilution Factor	1				1	1
Antimony	ND				NA	0.5
Arsenic	4.3				NA	0.5
Barium	220				NA	5.0
Beryllium	ND				NA	0.5
Cadmium	0.57				NA	0.25
Chromium	5.5				NA	0.5
Cobalt	1.9				NA	0.5
Copper	2.9				NA	0.5
Lead	3.8				NA	0.5
Mercury	0.038				NA	0.012
Molybdenum	0.58				NA	0.5
Nickel	6.5				NA	0.5
Selenium	0.62				NA	0.5
Silver	ND				NA	0.19
Thallium	ND				NA	0.5
Vanadium	4.4				NA	0.5
Zinc	170				NA	5.0
%SS:	108					

Comments					

*water samples are reported in µg/L, 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 diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
TRM = total recoverable metals by "direct analysis".
DISS = dissolved metals by suitable filtration and acid preservation.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received: 10/30/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/02/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/02/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Bm Work Order: 0910933

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	29th Ave UST	W	2200	10	98	d7,b6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b6) lighter than water immiscible sheen/product is present
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received: 10/30/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 10/30/09
Livermore, CA 94550	Client P.O.:	Date Analyzed: 11/02/09

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C Analytical methods: SW8015B Work Order: 0910933

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
0910933-001A	29th Ave UST	W	7,000,000	2,700,000	2000	---#	e1/e10,b6

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

b6) lighter than water immiscible sheen/product is present
e1) unmodified or weakly modified diesel is significant; and/or e10) fuel oil

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46821 WorkOrder 0910933

EPA Method SW8015B **Extraction SW3510C** **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	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	95.3	91.2	4.32	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	94	91	3.57	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46821 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910933-001A	10/30/09 10:30 AM	10/30/09	11/02/09 2:47 PM				

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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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46826 WorkOrder 0910933

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0910885-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	97.3	98.5	1.22	94.8	100	5.45	70 - 130	20	70 - 130	20
MTBE	ND	10	95.3	92.7	2.84	98.2	91.8	6.79	70 - 130	20	70 - 130	20
Benzene	ND	10	92.7	89.1	3.97	89.8	90.3	0.562	70 - 130	20	70 - 130	20
Toluene	ND	10	92.9	90.5	2.55	90.9	90.6	0.301	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	94.8	91.6	3.42	93.5	93.4	0.132	70 - 130	20	70 - 130	20
Xylenes	ND	30	96.5	94.4	2.23	96.6	95.8	0.925	70 - 130	20	70 - 130	20
%SS:	91	10	90	89	0.912	88	90	1.65	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46826 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910933-001A	10/30/09 10:30 AM	11/02/09	11/02/09 1:12 PM				

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 = matrix interference and/or 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, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46858 WorkOrder 0910933

EPA Method SW8082 **Extraction SW3510C** **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	MS / MSD	RPD	LCS/LCSD	RPD
Aroclor1260	N/A	3.75	N/A	N/A	N/A	105	107	1.31	N/A	N/A	70 - 130	30
%SS:	N/A	2.5	N/A	N/A	N/A	111	108	3.52	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46858 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910933-001B	10/30/09 10:30 AM	10/30/09	10/31/09 11:10 AM				

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.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46830 WorkOrder 0910933

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0910878-001C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	90.2	87.4	3.23	88.2	87.6	0.759	70 - 130	30	70 - 130	30
Benzene	ND	10	107	103	4.23	102	103	1.11	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	3.3	50	92.2	99.2	6.88	83.1	84.8	2.00	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	108	108	0	105	105	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	122	122	0	109	111	2.10	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	97.4	93.8	3.69	94.2	95.6	1.47	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	119	118	0.416	114	115	0.999	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	99.5	95.5	4.20	99.1	101	1.79	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	94.4	92.3	2.28	94.4	95.2	0.854	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	103	101	1.26	99	99.8	0.814	70 - 130	30	70 - 130	30
Toluene	ND	10	115	115	0	112	111	0.671	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	128	127	1.19	127	125	1.44	70 - 130	30	70 - 130	30
%SS1:	100	25	98	96	1.97	98	98	0	70 - 130	30	70 - 130	30
%SS2:	102	25	108	108	0	106	106	0	70 - 130	30	70 - 130	30
%SS3:	104	2.5	115	111	3.48	110	108	2.35	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46830 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910933-001E	10/30/09 10:30 AM	11/02/09	11/02/09 10:40 AM				

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 or coelutes with another peak; &) low surrogate due to matrix interference.

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

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 46839 WorkOrder 0910933

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 0910760-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	10	102	102	0	103	104	0.581	70 - 130	20	85 - 115	20
Arsenic	2.2	10	108	107	0.926	109	105	2.99	70 - 130	20	85 - 115	20
Barium	56	100	93	93.4	0.269	95.2	95.4	0.168	70 - 130	20	85 - 115	20
Beryllium	ND	10	102	103	0.972	101	103	1.18	70 - 130	20	85 - 115	20
Cadmium	ND	10	102	103	0.778	106	108	1.59	70 - 130	20	85 - 115	20
Chromium	ND	10	100	99.9	0.394	102	104	1.85	70 - 130	20	85 - 115	20
Cobalt	ND	10	101	100	0.199	106	108	1.03	70 - 130	20	85 - 115	20
Copper	6.3	10	101	103	1.03	109	108	0.906	70 - 130	20	85 - 115	20
Lead	ND	10	100	100	0	100	100	0	70 - 130	20	85 - 115	20
Mercury	ND	0.25	112	112	0	109	110	0.438	70 - 130	20	85 - 115	20
Molybdenum	2.6	10	102	102	0	102	103	0.976	70 - 130	20	85 - 115	20
Nickel	0.76	10	102	103	0.0908	110	110	0	70 - 130	20	85 - 115	20
Selenium	0.57	10	121	120	0.948	98.6	99.6	1.09	70 - 130	20	85 - 115	20
Silver	ND	10	98.1	97.4	0.757	102	102	0	70 - 130	20	85 - 115	20
Thallium	ND	10	105	101	3.89	105	106	0.663	70 - 130	20	85 - 115	20
Vanadium	3.5	10	102	102	0	103	104	1.45	70 - 130	20	85 - 115	20
Zinc	ND	100	106	104	1.10	112	110	1.16	70 - 130	20	85 - 115	20
%SS:	112	750	110	110	0	114	113	0.211	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 46839 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910933-001C	10/30/09 10:30 AM	10/30/09	11/02/09 4:40 PM				

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 applicable to this method.

NR = matrix interference and/or 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 ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants 6671 Brisa St Livermore, CA 94550	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received: 10/30/09
	Client Contact: John Love	Date Reported: 11/04/09
	Client P.O.:	Date Completed: 11/04/09

WorkOrder: 0910933

November 04, 2009

Dear John:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#E8415-06-83; Caltrans 29th Ave,**
2) A QC report for the above sample,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0910933

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

RUSH

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☒ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: John Love Bill To:

Company: Geocon Consultants, Inc.

E-Mail: love@geoconinc.com

Tele: (925) 371-5900 Fax: (925) 371-5915

Project #: E8415-06-83 Project Name: Caltrans 29th Ave

Project Location: 29th Ave, Oakland

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
	29th Ave UST	10/30/09	10:30	4	VOA	X						X		
	↓	↓	↓	3	1L AMB	X								

Analysis Request

~~BTEX & TPH as Gas (602 / 8021 + 8015) MTBE~~	TPH as Diesel (8015) + TPH motor oil	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY / Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
X										X						Flash added to protect place 11/4/09 Same day push!	Filter Samples for Metals analysis: Yes (No)
	X						X						X			X	

Relinquished By:	Date:	Time:	Received By:
	10/30/09	1500	
	10/30	1750	

ICE/T Yes 9.8°C
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB N/A
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ✓

PRESERVATION VOAS O&G METALS (pH<2) OTHER

COMMENTS: Samples are likely highly contaminated. Be careful running though lab equip.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 091093 A **ClientCode: GECL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
John Love
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550
(925) 371-5900 FAX 925-371-5915

Email: love@geoconinc.com; Livermore@geoc
cc:
PO:
ProjectNo: #E8415-06-83; Caltrans 29th Ave

Bill to:
Accounts Payable
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550

Requested TAT: 1 day
Date Received: **10/30/2009**
Date Add-On: **11/04/2009**
Date Printed: **11/04/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0910933-001	29th Ave UST	Product	10/30/2009 10:30	☐	F											

Test Legend:

1	FLASH_Product	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Samantha Arbuckle

Comments: Flashpoint added 11/4/09 on a same day rush per email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Caltrans 29th Ave	Date Sampled: 10/30/09
		Date Received: 10/30/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/04/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/04/09

Flash Point*

Analytical Method: SW1010 Work Order: 0910933

Lab ID	Client ID	Matrix	Flash Point	Comments
0910933-001F	29th Ave UST	P	>100 °C	

Reporting Limit or Method Accuracy and Reporting Units; ND means not detected at or above the reporting limit	W	NA	
	P	±2 °C	

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR WET CHEMISTRY TESTS

Test Method: Flash Point **Matrix: P** **WorkOrder: 0910933**

Method Name: SW1010 Units ± °C BatchID: 46838

Lab ID	Sample	DF	Dup / Ser. Dil.	DF	Precision	Acceptance Criteria
0910933-001F	>100 °C	1	>100 °C	1	N/A	2

BATCH 46838 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910933-001F	10/30/09 10:30 AM	11/04/09	11/04/09 1:05 PM				

Dup = Duplicate; Ser. Dil. = Serial Dilution; MS = Matrix Spike; RD = Relative Difference; RPD = Relative Percent Deviation.

Precision = Absolute Value (Sample - Duplicate)

RPD = 100 * (Sample - Duplicate) / [(Sample + Duplicate) / 2]

%RPD is calculated using results of up to 10 significant figures, however the reported results are rounded to 2 or 3 significant figures. Therefore there may be a slight discrepancy between the %RPD displayed above and %RPD calculated using the reported results. MAI considers %RPD based upon more significant figures to be more accurate.

DHS ELAP Certification 1644

QA/QC Officer

UST Excavation and Stockpile Sample Results

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants 6671 Brisa St Livermore, CA 94550	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
	Client Contact: John Love	Date Reported: 11/11/09
	Client P.O.:	Date Completed: 11/11/09

WorkOrder: 0911235

November 11, 2009

Dear John:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **#E8415-06-83; Oakland CA,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCampbell 0911235

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

RUSH

3334 Victor Court (408) 588-0200
Santa Clara, CA 95054 (408) 588-0201 - Fax
ELAP No. 2346

Attention to: John Love	Phone No.: 925 371-5900	Purchase Order No.:	Invoice to: (If Different) Same	Phone:
Company Name: Geocon Consultants	Fax No.: 925 371-5915	Project No. / Name: E8415-06-83	Company:	
Mailing Address: 6671 Brisa St	Email Address: love@geoconinc.com		Billing Address: (If Different)	
City: Livermore	State: CA Zip Code: 94550	Project Location: Oakland, CA	City:	State: Zip:

Entech Order ID:

EDF ☐ Global ID:

Turn Around Time: ☐ Same Day ☒ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day ☐ 10 Day

Sample Information — Sampler J. Love

Circle Applicable

Client ID	Field Point	Date	Time	Entech Lab. No.	Matrix	No. of Containers	EPA 8260B Full List	8260 Petroleum: List includes: Gas, BTEX, MtBE, EtBE, TBA, TAME, DIPE, 1,2-DCA, EDB	TPH d/mo	CAM 17 metals	Oil & Grease	EPA 8270: Base/Neutral/Acid Organics 8270 Full List	PAHs Only PAHs - SIM	Pesticides-8081 PCBs - 8082	TPH Extractable: Diesel, Motor Oil, Other w/ Si-Gel Cleanup	TPH Gas, BTEX, MtBE by EPA 8015/8021B						Metals - Circle Below Total Dissolved STLC TCLP	Remarks Instructions
	BW-11'	11/10/09	10:57		S	1	X		X	X	X												
	N-6'	↓	11:02		S		X		X	X	X												
	W-6'		11:06		S		X		X	X	X												
	BE-11'		11:13		S		X		X	X	X												
	S-6'		11:15		S		X		X	X	X												
	Stockpile Comp A		11:25		S		X	~~X~~	X	X	X												
	Comp B				S		X	~~X~~	X	X	X												
	Comp C				S		X	~~X~~	X	X	X												
	Comp D	↓	↓		S		X	~~X~~	X	X	X												

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11/10/09	1357
[signature]	[signature]	11/10/09	315

Lab Use: Rush TAT all samples

Composite samples Comp A, B, C, D in lab to form one sample called "stockpile A-D"

Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Tl, Sn, Ti, Zn, V
☐ Plating ☐ LUFT-5 ☐ RCRA-8 ☐ PPM-13 ☐ CAM-17

Lab Use:
Samples: Iced Y/N Temperature: ______
Appropriate Containers/Preservatives: Y/N
Labels match CoC? Y/N Headspace? Y/N
Shipment Method: ______
Custody Seals? Y/N
Seperate Receipt Log Y/N

If any N's, Explain:

ICE / t° 6.8
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION | VOAS | O&G | METALS | OTHER |

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0911235 **ClientCode: GECL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
John Love
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550
925-371-5900 FAX 925-371-5915

Email: love@geoconinc.com; Livermore@geoc
cc:
PO:
ProjectNo: #E8415-06-83; Oakland CA

Bill to:
Accounts Payable
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550

Requested TAT: 1 day

Date Received: **11/10/2009**
Date Printed: **11/10/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0911235-001	BW-11'	Soil	11/10/2009 10:57	☐	A	A	A	A								
0911235-002	N-6'	Soil	11/10/2009 11:02	☐	A	A	A	A								
0911235-003	W-6'	Soil	11/10/2009 11:06	☐	A	A	A	A								
0911235-004	BE-11'	Soil	11/10/2009 11:13	☐	A	A	A	A								
0911235-005	S-6'	Soil	11/10/2009 11:15	☐	A	A	A	A								
0911235-006	Stockpile A,B,C,D	Soil	11/10/2009 11:25	☐	A	A	A	A								

Test Legend:

1	5520E_SG_S	2	8260B_S	3	CAM17MS_S	4	G-MBTEX_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A contain testgroup.

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **GEOCON Env. Consultants**
Date and Time Received: **11/10/2009 3:10:07 PM**

Project Name: **#E8415-06-83; Oakland CA**
Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0911235** Matrix Soil
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 6.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/11/09

Petroleum Oil & Grease with Silica Gel Clean-Up*

Extraction method: SM5520E/F Analytical methods: SM5520E/F Work Order: 0911235

Lab ID	Client ID	Matrix	POG	DF	% SS	Comments
0911235-001A	BW-11'	S	ND	1	N/A	
0911235-002A	N-6'	S	2400	1	N/A	
0911235-003A	W-6'	S	ND	1	N/A	
0911235-004A	BE-11'	S	ND	1	N/A	
0911235-005A	S-6'	S	8800	1	N/A	
0911235-006A	Stockpile A,B,C,D	S	370	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	50	mg/Kg

* water samples and all TCLP & SPLP extracts 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 (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/10/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911235

Lab ID	0911235-001A
Client ID	BW-11'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	96	%SS2:	108
%SS3:	112		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/10/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911235

Lab ID	0911235-002A
Client ID	N-6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.20	4.0	0.05	tert-Amyl methyl ether (TAME)	ND<0.020	4.0	0.005
Benzene	ND<0.020	4.0	0.005	Bromobenzene	ND<0.020	4.0	0.005
Bromochloromethane	ND<0.020	4.0	0.005	Bromodichloromethane	ND<0.020	4.0	0.005
Bromoform	ND<0.020	4.0	0.005	Bromomethane	ND<0.020	4.0	0.005
2-Butanone (MEK)	ND<0.080	4.0	0.02	t-Butyl alcohol (TBA)	ND<0.20	4.0	0.05
n-Butyl benzene	0.029	4.0	0.005	sec-Butyl benzene	ND<0.020	4.0	0.005
tert-Butyl benzene	ND<0.020	4.0	0.005	Carbon Disulfide	ND<0.020	4.0	0.005
Carbon Tetrachloride	ND<0.020	4.0	0.005	Chlorobenzene	ND<0.020	4.0	0.005
Chloroethane	ND<0.020	4.0	0.005	Chloroform	ND<0.020	4.0	0.005
Chloromethane	ND<0.020	4.0	0.005	2-Chlorotoluene	ND<0.020	4.0	0.005
4-Chlorotoluene	ND<0.020	4.0	0.005	Dibromochloromethane	ND<0.020	4.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.016	4.0	0.004	1,2-Dibromoethane (EDB)	ND<0.016	4.0	0.004
Dibromomethane	ND<0.020	4.0	0.005	1,2-Dichlorobenzene	ND<0.020	4.0	0.005
1,3-Dichlorobenzene	ND<0.020	4.0	0.005	1,4-Dichlorobenzene	ND<0.020	4.0	0.005
Dichlorodifluoromethane	ND<0.020	4.0	0.005	1,1-Dichloroethane	ND<0.020	4.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.016	4.0	0.004	1,1-Dichloroethene	ND<0.020	4.0	0.005
cis-1,2-Dichloroethene	ND<0.020	4.0	0.005	trans-1,2-Dichloroethene	ND<0.020	4.0	0.005
1,2-Dichloropropane	ND<0.020	4.0	0.005	1,3-Dichloropropane	ND<0.020	4.0	0.005
2,2-Dichloropropane	ND<0.020	4.0	0.005	1,1-Dichloropropene	ND<0.020	4.0	0.005
cis-1,3-Dichloropropene	ND<0.020	4.0	0.005	trans-1,3-Dichloropropene	ND<0.020	4.0	0.005
Diisopropyl ether (DIPE)	ND<0.020	4.0	0.005	Ethylbenzene	ND<0.020	4.0	0.005
Ethyl tert-butyl ether (ETBE)	ND<0.020	4.0	0.005	Freon 113	ND<0.40	4.0	0.1
Hexachlorobutadiene	ND<0.020	4.0	0.005	Hexachloroethane	ND<0.020	4.0	0.005
2-Hexanone	ND<0.020	4.0	0.005	Isopropylbenzene	ND<0.020	4.0	0.005
4-Isopropyl toluene	ND<0.020	4.0	0.005	Methyl-t-butyl ether (MTBE)	ND<0.020	4.0	0.005
Methylene chloride	ND<0.020	4.0	0.005	4-Methyl-2-pentanone (MIBK)	ND<0.020	4.0	0.005
Naphthalene	ND<0.020	4.0	0.005	n-Propyl benzene	ND<0.020	4.0	0.005
Styrene	ND<0.020	4.0	0.005	1,1,1,2-Tetrachloroethane	ND<0.020	4.0	0.005
1,1,2,2-Tetrachloroethane	ND<0.020	4.0	0.005	Tetrachloroethene	ND<0.020	4.0	0.005
Toluene	ND<0.020	4.0	0.005	1,2,3-Trichlorobenzene	ND<0.020	4.0	0.005
1,2,4-Trichlorobenzene	ND<0.020	4.0	0.005	1,1,1-Trichloroethane	ND<0.020	4.0	0.005
1,1,2-Trichloroethane	ND<0.020	4.0	0.005	Trichloroethene	ND<0.020	4.0	0.005
Trichlorofluoromethane	ND<0.020	4.0	0.005	1,2,3-Trichloropropane	ND<0.020	4.0	0.005
1,2,4-Trimethylbenzene	ND<0.020	4.0	0.005	1,3,5-Trimethylbenzene	ND<0.020	4.0	0.005
Vinyl Chloride	ND<0.020	4.0	0.005	Xylenes	ND<0.020	4.0	0.005

Surrogate Recoveries (%)

%SS1:	96	%SS2:	106
%SS3:	109		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/10/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911235

Lab ID	0911235-003A
Client ID	W-6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	95	%SS2:	109
%SS3:	112		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/11/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911235

Lab ID	0911235-004A
Client ID	BE-11'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	89	%SS2:	108
%SS3:	111		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/11/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911235

Lab ID	0911235-005A
Client ID	S-6'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.50	10	0.05	tert-Amyl methyl ether (TAME)	ND<0.050	10	0.005
Benzene	ND<0.050	10	0.005	Bromobenzene	ND<0.050	10	0.005
Bromochloromethane	ND<0.050	10	0.005	Bromodichloromethane	ND<0.050	10	0.005
Bromoform	ND<0.050	10	0.005	Bromomethane	ND<0.050	10	0.005
2-Butanone (MEK)	ND<0.20	10	0.02	t-Butyl alcohol (TBA)	ND<0.50	10	0.05
n-Butyl benzene	0.24	10	0.005	sec-Butyl benzene	0.089	10	0.005
tert-Butyl benzene	ND<0.050	10	0.005	Carbon Disulfide	ND<0.050	10	0.005
Carbon Tetrachloride	ND<0.050	10	0.005	Chlorobenzene	ND<0.050	10	0.005
Chloroethane	ND<0.050	10	0.005	Chloroform	ND<0.050	10	0.005
Chloromethane	ND<0.050	10	0.005	2-Chlorotoluene	ND<0.050	10	0.005
4-Chlorotoluene	ND<0.050	10	0.005	Dibromochloromethane	ND<0.050	10	0.005
1,2-Dibromo-3-chloropropane	ND<0.040	10	0.004	1,2-Dibromoethane (EDB)	ND<0.040	10	0.004
Dibromomethane	ND<0.050	10	0.005	1,2-Dichlorobenzene	ND<0.050	10	0.005
1,3-Dichlorobenzene	ND<0.050	10	0.005	1,4-Dichlorobenzene	ND<0.050	10	0.005
Dichlorodifluoromethane	ND<0.050	10	0.005	1,1-Dichloroethane	ND<0.050	10	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.040	10	0.004	1,1-Dichloroethene	ND<0.050	10	0.005
cis-1,2-Dichloroethene	ND<0.050	10	0.005	trans-1,2-Dichloroethene	ND<0.050	10	0.005
1,2-Dichloropropane	ND<0.050	10	0.005	1,3-Dichloropropane	ND<0.050	10	0.005
2,2-Dichloropropane	ND<0.050	10	0.005	1,1-Dichloropropene	ND<0.050	10	0.005
cis-1,3-Dichloropropene	ND<0.050	10	0.005	trans-1,3-Dichloropropene	ND<0.050	10	0.005
Diisopropyl ether (DIPE)	ND<0.050	10	0.005	Ethylbenzene	0.10	10	0.005
Ethyl tert-butyl ether (ETBE)	ND<0.050	10	0.005	Freon 113	ND<1.0	10	0.1
Hexachlorobutadiene	ND<0.050	10	0.005	Hexachloroethane	ND<0.050	10	0.005
2-Hexanone	ND<0.050	10	0.005	Isopropylbenzene	0.067	10	0.005
4-Isopropyl toluene	ND<0.050	10	0.005	Methyl-t-butyl ether (MTBE)	ND<0.050	10	0.005
Methylene chloride	ND<0.050	10	0.005	4-Methyl-2-pentanone (MIBK)	ND<0.050	10	0.005
Naphthalene	1.4	10	0.005	n-Propyl benzene	0.12	10	0.005
Styrene	ND<0.050	10	0.005	1,1,1,2-Tetrachloroethane	ND<0.050	10	0.005
1,1,2,2-Tetrachloroethane	ND<0.050	10	0.005	Tetrachloroethene	ND<0.050	10	0.005
Toluene	0.065	10	0.005	1,2,3-Trichlorobenzene	ND<0.050	10	0.005
1,2,4-Trichlorobenzene	ND<0.050	10	0.005	1,1,1-Trichloroethane	ND<0.050	10	0.005
1,1,2-Trichloroethane	ND<0.050	10	0.005	Trichloroethene	ND<0.050	10	0.005
Trichlorofluoromethane	ND<0.050	10	0.005	1,2,3-Trichloropropane	ND<0.050	10	0.005
1,2,4-Trimethylbenzene	0.69	10	0.005	1,3,5-Trimethylbenzene	0.16	10	0.005
Vinyl Chloride	ND<0.050	10	0.005	Xylenes	0.50	10	0.005

Surrogate Recoveries (%)

%SS1:	98	%SS2:	104
%SS3:	103		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/11/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911235

Lab ID	0911235-006A
Client ID	Stockpile A,B,C,D
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.20	4.0	0.05	tert-Amyl methyl ether (TAME)	ND<0.020	4.0	0.005
Benzene	ND<0.020	4.0	0.005	Bromobenzene	ND<0.020	4.0	0.005
Bromochloromethane	ND<0.020	4.0	0.005	Bromodichloromethane	ND<0.020	4.0	0.005
Bromoform	ND<0.020	4.0	0.005	Bromomethane	ND<0.020	4.0	0.005
2-Butanone (MEK)	ND<0.080	4.0	0.02	t-Butyl alcohol (TBA)	ND<0.20	4.0	0.05
n-Butyl benzene	ND<0.020	4.0	0.005	sec-Butyl benzene	ND<0.020	4.0	0.005
tert-Butyl benzene	ND<0.020	4.0	0.005	Carbon Disulfide	ND<0.020	4.0	0.005
Carbon Tetrachloride	ND<0.020	4.0	0.005	Chlorobenzene	ND<0.020	4.0	0.005
Chloroethane	ND<0.020	4.0	0.005	Chloroform	ND<0.020	4.0	0.005
Chloromethane	ND<0.020	4.0	0.005	2-Chlorotoluene	ND<0.020	4.0	0.005
4-Chlorotoluene	ND<0.020	4.0	0.005	Dibromochloromethane	ND<0.020	4.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.016	4.0	0.004	1,2-Dibromoethane (EDB)	ND<0.016	4.0	0.004
Dibromomethane	ND<0.020	4.0	0.005	1,2-Dichlorobenzene	ND<0.020	4.0	0.005
1,3-Dichlorobenzene	ND<0.020	4.0	0.005	1,4-Dichlorobenzene	ND<0.020	4.0	0.005
Dichlorodifluoromethane	ND<0.020	4.0	0.005	1,1-Dichloroethane	ND<0.020	4.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.016	4.0	0.004	1,1-Dichloroethene	ND<0.020	4.0	0.005
cis-1,2-Dichloroethene	ND<0.020	4.0	0.005	trans-1,2-Dichloroethene	ND<0.020	4.0	0.005
1,2-Dichloropropane	ND<0.020	4.0	0.005	1,3-Dichloropropane	ND<0.020	4.0	0.005
2,2-Dichloropropane	ND<0.020	4.0	0.005	1,1-Dichloropropene	ND<0.020	4.0	0.005
cis-1,3-Dichloropropene	ND<0.020	4.0	0.005	trans-1,3-Dichloropropene	ND<0.020	4.0	0.005
Diisopropyl ether (DIPE)	ND<0.020	4.0	0.005	Ethylbenzene	ND<0.020	4.0	0.005
Ethyl tert-butyl ether (ETBE)	ND<0.020	4.0	0.005	Freon 113	ND<0.40	4.0	0.1
Hexachlorobutadiene	ND<0.020	4.0	0.005	Hexachloroethane	ND<0.020	4.0	0.005
2-Hexanone	ND<0.020	4.0	0.005	Isopropylbenzene	ND<0.020	4.0	0.005
4-Isopropyl toluene	ND<0.020	4.0	0.005	Methyl-t-butyl ether (MTBE)	ND<0.020	4.0	0.005
Methylene chloride	ND<0.020	4.0	0.005	4-Methyl-2-pentanone (MIBK)	ND<0.020	4.0	0.005
Naphthalene	0.15	4.0	0.005	n-Propyl benzene	ND<0.020	4.0	0.005
Styrene	ND<0.020	4.0	0.005	1,1,1,2-Tetrachloroethane	ND<0.020	4.0	0.005
1,1,2,2-Tetrachloroethane	ND<0.020	4.0	0.005	Tetrachloroethene	ND<0.020	4.0	0.005
Toluene	ND<0.020	4.0	0.005	1,2,3-Trichlorobenzene	ND<0.020	4.0	0.005
1,2,4-Trichlorobenzene	ND<0.020	4.0	0.005	1,1,1-Trichloroethane	ND<0.020	4.0	0.005
1,1,2-Trichloroethane	ND<0.020	4.0	0.005	Trichloroethene	ND<0.020	4.0	0.005
Trichlorofluoromethane	ND<0.020	4.0	0.005	1,2,3-Trichloropropane	ND<0.020	4.0	0.005
1,2,4-Trimethylbenzene	0.030	4.0	0.005	1,3,5-Trimethylbenzene	ND<0.020	4.0	0.005
Vinyl Chloride	ND<0.020	4.0	0.005	Xylenes	ND<0.020	4.0	0.005

Surrogate Recoveries (%)

%SS1:	97	%SS2:	105
%SS3:	103		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/11/09

CAM / CCR 17 Metals*

Lab ID	0911235-001A	0911235-002A	0911235-003A	0911235-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	BW-11'	N-6'	W-6'	BE-11'		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0911235

Dilution Factor	1	1	1	1	1	1
Antimony	ND	0.58	ND	ND	0.5	NA
Arsenic	6.2	8.8	4.6	6.0	0.5	NA
Barium	120	210	130	150	5.0	NA
Beryllium	ND	0.62	ND	0.54	0.5	NA
Cadmium	ND	0.38	ND	ND	0.25	NA
Chromium	51	51	52	72	0.5	NA
Cobalt	25	11	11	22	0.5	NA
Copper	21	27	15	22	0.5	NA
Lead	7.3	9.6	5.5	6.6	0.5	NA
Mercury	ND	0.052	ND	ND	0.05	NA
Molybdenum	0.77	2.2	1.1	1.0	0.5	NA
Nickel	76	60	61	100	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	56	62	47	60	0.5	NA
Zinc	35	61	46	38	5.0	NA
%SS:	108	107	107	107		

Comments

*water samples are reported in µg/L, 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 diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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Angela Rydelius, Lab Manager

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/11/09

CAM / CCR 17 Metals*

Lab ID	0911235-005A	0911235-006A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	S-6'	Stockpile A,B,C,D				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0911235

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	5.4	6.3			0.5	NA
Barium	180	170			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	0.27	0.25			0.25	NA
Chromium	49	48			0.5	NA
Cobalt	9.8	16			0.5	NA
Copper	22	21			0.5	NA
Lead	3.9	12			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	1.2	1.1			0.5	NA
Nickel	63	58			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	43	52			0.5	NA
Zinc	54	53			5.0	NA
%SS:	107	105				

Comments

*water samples are reported in µg/L, 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 diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/10/09-11/11/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Bm Work Order: 0911235

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	BW-11'	S	ND	1	80	
002A	N-6'	S	130	10	87	d7
003A	W-6'	S	ND	1	89	
004A	BE-11'	S	11	1	83	d7
005A	S-6'	S	200	50	71	d7
006A	Stockpile A,B,C,D	S	30	1	81	d7,d9

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

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/10/09
Livermore, CA 94550	Client P.O.:	Date Analyzed: 11/10/09-11/11/09

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3550C Analytical methods: SW8015B Work Order: 0911235

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
0911235-001A	BW-11'	S	ND	ND	1	104	
0911235-002A	N-6'	S	4000	1700	50	102	e1
0911235-003A	W-6'	S	ND	ND	1	105	
0911235-004A	BE-11'	S	5.4	ND	1	105	e1
0911235-005A	S-6'	S	7200	2500	100	96	e1
0911235-006A	Stockpile A,B,C,D	S	430	140	10	81	e1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/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:

e1) unmodified or weakly modified diesel is significant

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QC SUMMARY REPORT FOR SM5520E/F

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 47016 | WorkOrder: 0911235

EPA Method SM5520E/F | **Extraction SM5520E/F** | **Spiked Sample ID: 0911223-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
POG	ND	1000	109	107	1.73	93.3	92	1.44	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47016 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911235-001A	11/10/09 10:57 AM	11/10/09	11/11/09 11:00 AM	0911235-002A	11/10/09 11:02 AM	11/10/09	11/11/09 11:05 AM
0911235-003A	11/10/09 11:06 AM	11/10/09	11/11/09 11:10 AM	0911235-004A	11/10/09 11:13 AM	11/10/09	11/11/09 11:15 AM
0911235-005A	11/10/09 11:15 AM	11/10/09	11/11/09 11:20 AM	0911235-006A	11/10/09 11:25 AM	11/10/09	11/11/09 11:25 AM

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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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47033 WorkOrder: 0911235

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0911235-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	83.9	85.5	1.88	87.1	88.5	1.56	60 - 130	30	60 - 130	30
Benzene	ND	0.050	102	104	1.61	106	105	0.432	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	93.4	97.3	4.05	99.1	94.7	4.56	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	106	108	2.32	111	110	0.878	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	104	107	2.68	108	106	1.74	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	96.1	98.1	2.03	99.3	99.4	0.0970	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	111	112	0.900	117	117	0	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	87.4	89.1	1.92	90.6	89.6	1.04	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	89	91.1	2.35	92.9	93.7	0.760	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	96.5	98.5	2.04	100	101	0.448	60 - 130	30	60 - 130	30
Toluene	ND	0.050	109	111	1.59	115	114	1.45	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	118	120	1.56	123	123	0	60 - 130	30	60 - 130	30
%SS1:	95	0.13	98	99	0.454	99	100	0.973	70 - 130	30	70 - 130	30
%SS2:	109	0.13	105	105	0	106	105	0.688	70 - 130	30	70 - 130	30
%SS3:	112	0.013	114	117	2.50	120	120	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47033 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911235-001A	11/10/09 10:57 AM	11/10/09	11/10/09 9:27 PM	0911235-002A	11/10/09 11:02 AM	11/10/09	11/10/09 8:11 PM
0911235-003A	11/10/09 11:06 AM	11/10/09	11/10/09 10:05 PM	0911235-004A	11/10/09 11:13 AM	11/10/09	11/11/09 10:15 AM
0911235-005A	11/10/09 11:15 AM	11/10/09	11/11/09 10:54 AM	0911235-006A	11/10/09 11:25 AM	11/10/09	11/11/09 12:38 AM

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.

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QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0911235

EPA Method 6020A	Extraction SW3050B	BatchID: 47014	Spiked Sample ID: 0911223-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	105	105	0	10	91.4	94.6	3.43	75 - 125	20	75 - 125	20
Arsenic	3.5	50	108	109	0.502	10	95.9	99.3	3.49	75 - 125	20	75 - 125	20
Barium	55	500	114	114	0	100	88.3	91.6	3.60	75 - 125	20	75 - 125	20
Beryllium	ND	50	105	104	1.26	10	94.8	98.6	3.87	75 - 125	20	75 - 125	20
Cadmium	ND	50	109	109	0	10	97	99.7	2.80	75 - 125	20	75 - 125	20
Chromium	80	50	NR	NR	NR	10	99.2	103	3.90	75 - 125	20	75 - 125	20
Cobalt	7.4	50	111	111	0	10	96.3	99.7	3.45	75 - 125	20	75 - 125	20
Copper	8.8	50	108	107	0.671	10	97.7	102	4.57	75 - 125	20	75 - 125	20
Lead	16	50	112	111	0.405	10	96	101	5.00	75 - 125	20	75 - 125	20
Mercury	ND	1.25	109	109	0	0.25	90.6	95.1	4.87	75 - 125	20	75 - 125	20
Molybdenum	ND	50	108	108	0	10	94.8	97.6	2.84	75 - 125	20	75 - 125	20
Nickel	39	50	112	110	0.837	10	98.6	104	4.90	75 - 125	20	75 - 125	20
Selenium	ND	50	111	109	1.49	10	98.8	105	5.87	75 - 125	20	75 - 125	20
Silver	ND	50	105	105	0	10	95.2	98	2.89	75 - 125	20	75 - 125	20
Thallium	ND	50	112	112	0	10	93.7	97.9	4.42	75 - 125	20	75 - 125	20
Vanadium	64	50	NR	NR	NR	10	99.3	103	3.62	75 - 125	20	75 - 125	20
Zinc	37	500	110	110	0	100	98	102	4.35	75 - 125	20	75 - 125	20
%SS:	103	250	109	108	0.809	250	104	104	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47014 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911235-001A	11/10/09 10:57 AM	11/10/09	11/11/09 12:05 PM	0911235-002A	11/10/09 11:02 AM	11/10/09	11/11/09 12:14 PM
0911235-003A	11/10/09 11:06 AM	11/10/09	11/11/09 12:22 PM	0911235-004A	11/10/09 11:13 AM	11/10/09	11/11/09 12:31 PM
0911235-005A	11/10/09 11:15 AM	11/10/09	11/11/09 12:39 PM	0911235-006A	11/10/09 11:25 AM	11/10/09	11/11/09 12:47 PM

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 applicable to this method.

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 ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47034 WorkOrder 0911235

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0911235-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	100	105	4.92	115	123	6.77	70 - 130	20	70 - 130	20
MTBE	ND	0.10	107	104	2.51	107	103	3.74	70 - 130	20	70 - 130	20
Benzene	ND	0.10	99.7	96.2	3.67	93.8	89	5.31	70 - 130	20	70 - 130	20
Toluene	ND	0.10	97	93.7	3.40	92.5	88.2	4.77	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	98.3	94.3	4.13	90.9	87	4.42	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	101	97	3.84	92.5	88.9	3.95	70 - 130	20	70 - 130	20
%SS:	89	0.10	106	104	2.23	79	74	5.84	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47034 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911235-001A	11/10/09 10:57 AM	11/10/09	11/11/09 1:20 PM	0911235-002A	11/10/09 11:02 AM	11/10/09	11/11/09 11:34 AM
0911235-003A	11/10/09 11:06 AM	11/10/09	11/10/09 10:19 PM	0911235-004A	11/10/09 11:13 AM	11/10/09	11/11/09 1:53 PM
0911235-005A	11/10/09 11:15 AM	11/10/09	11/11/09 2:16 PM	0911235-006A	11/10/09 11:25 AM	11/10/09	11/11/09 12:49 AM

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 = matrix interference and/or 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 ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47029 WorkOrder: 0911235

EPA Method SW8015B **Extraction SW3550C** **Spiked Sample ID: 0911229-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	390	20	125	108	0.837	123	123	0	70 - 130	30	70 - 130	30
%SS:	106	50	107	102	5.08	112	112	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47029 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911235-001A	11/10/09 10:57 AM	11/10/09	11/10/09 9:15 PM	0911235-002A	11/10/09 11:02 AM	11/10/09	11/11/09 9:43 AM
0911235-003A	11/10/09 11:06 AM	11/10/09	11/11/09 1:47 AM	0911235-004A	11/10/09 11:13 AM	11/10/09	11/11/09 2:55 AM
0911235-005A	11/10/09 11:15 AM	11/10/09	11/11/09 9:06 AM	0911235-006A	11/10/09 11:25 AM	11/10/09	11/11/09 10:15 AM

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.

DHS ELAP Certification 1644

QA/QC Officer

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GEOCON Env. Consultants 6671 Brisa St Livermore, CA 94550	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
	Client Contact: John Love	Date Reported: 11/16/09
	Client P.O.:	Date Completed: 11/16/09

WorkOrder: 0911277

November 16, 2009

Dear John:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#E-8415-06-03; 29th/Bart Oakland,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

091277

McCAMPBELL ANALYTICAL, INC.

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PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ■ 5 DAY

GeoTracker EDF ☐ **PDF** ☐ **Excel** ☐ **Write On (DW)** ☐

☐ Check if sample is effluent and "J" flag is required

Report To: JOHN LOVE	**Bill To:** SAME
Company: GEOCON CONSULTANTS	
6671 BRISA ST	
LIVERMORE, CA	**E-Mail:** LOVE@GEOCONINC.COM LIVERMORE@ " "
Tele: (925) 371-5900	**Fax:** (925) 371-5915
Project #: E8415-06-83	**Project Name:** 29th/BART OAKLAND
Project Location: OAKLAND, CA	
Sampler Signature: CHRIS MERRITT	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015) + MO	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 8260 (HVOCs) FULL	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515.3 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
BEE-9		11-11-09	1130	1	4SL										X	X	X		X									X				
EEE-6		"	1143	1	"										X	X	X		X									X				
~~EEE-6~~ EES-5		"	1151	1	"										X	X	X		X									X				
EEN-6		"	1158	1	"										X	X	X		X									X				

Relinquished By:	Date:	Time:	Received By:
CHRIS MERRITT	11-11-09	1328	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 7.6C
GOOD CONDITION √
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS √
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

COMMENTS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0911277 **ClientCode: GECL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
John Love
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550
925-371-5900 FAX 925-371-5915

Email: love@geoconinc.com; Livermore@geoc
cc:
PO:
ProjectNo: #E-8415-06-03; 29th/Bart Oakland

Bill to:
Accounts Payable
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550

Requested TAT: 5 days

Date Received: **11/11/2009**
Date Printed: **11/11/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0911277-001	BEE-9	Soil	11/11/2009 11:30	☐	A	A	A	A								
0911277-002	EEE-6	Soil	11/11/2009 11:43	☐	A	A	A	A								
0911277-003	EES-5	Soil	11/11/2009 11:51	☐	A	A	A	A								
0911277-004	EEN-6	Soil	11/11/2009 11:58	☐	A	A	A	A								

Test Legend:

1	5520E_SG_S	2	8260B_S	3	CAM17MS_S	4	G-MBTEX_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **GEOCON Env. Consultants**

Date and Time Received: **11/11/2009 1:51:57 PM**

Project Name: **#E-8415-06-03; 29th/Bart Oakland**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0911277** Matrix Soil

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 17.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: BLUE ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/13/09

Petroleum Oil & Grease with Silica Gel Clean-Up*

Extraction method SM5520E/F Analytical methods SM5520E/F Work Order: 0911277

Lab ID	Client ID	Matrix	POG	DF	% SS	Comments
0911277-001A	BEE-9	S	ND	1	N/A	
0911277-002A	EEE-6	S	ND	1	N/A	
0911277-003A	EES-5	S	900	1	N/A	
0911277-004A	EEN-6	S	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	50	mg/Kg

* water samples and all TCLP & SPLP extracts 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 (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/11/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911277

Lab ID	0911277-001A
Client ID	BEE-9
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	94	%SS2:	109
%SS3:	106		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/12/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911277

Lab ID	0911277-002A
Client ID	EEE-6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	94	%SS2:	111
%SS3:	105		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/13/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911277

Lab ID	0911277-003A
Client ID	EES-5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.20	4.0	0.05	tert-Amyl methyl ether (TAME)	ND<0.020	4.0	0.005
Benzene	ND<0.020	4.0	0.005	Bromobenzene	ND<0.020	4.0	0.005
Bromochloromethane	ND<0.020	4.0	0.005	Bromodichloromethane	ND<0.020	4.0	0.005
Bromoform	ND<0.020	4.0	0.005	Bromomethane	ND<0.020	4.0	0.005
2-Butanone (MEK)	ND<0.080	4.0	0.02	t-Butyl alcohol (TBA)	ND<0.20	4.0	0.05
n-Butyl benzene	0.078	4.0	0.005	sec-Butyl benzene	ND<0.020	4.0	0.005
tert-Butyl benzene	ND<0.020	4.0	0.005	Carbon Disulfide	ND<0.020	4.0	0.005
Carbon Tetrachloride	ND<0.020	4.0	0.005	Chlorobenzene	ND<0.020	4.0	0.005
Chloroethane	ND<0.020	4.0	0.005	Chloroform	ND<0.020	4.0	0.005
Chloromethane	ND<0.020	4.0	0.005	2-Chlorotoluene	ND<0.020	4.0	0.005
4-Chlorotoluene	ND<0.020	4.0	0.005	Dibromochloromethane	ND<0.020	4.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.016	4.0	0.004	1,2-Dibromoethane (EDB)	ND<0.016	4.0	0.004
Dibromomethane	ND<0.020	4.0	0.005	1,2-Dichlorobenzene	ND<0.020	4.0	0.005
1,3-Dichlorobenzene	ND<0.020	4.0	0.005	1,4-Dichlorobenzene	ND<0.020	4.0	0.005
Dichlorodifluoromethane	ND<0.020	4.0	0.005	1,1-Dichloroethane	ND<0.020	4.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.016	4.0	0.004	1,1-Dichloroethene	ND<0.020	4.0	0.005
cis-1,2-Dichloroethene	ND<0.020	4.0	0.005	trans-1,2-Dichloroethene	ND<0.020	4.0	0.005
1,2-Dichloropropane	ND<0.020	4.0	0.005	1,3-Dichloropropane	ND<0.020	4.0	0.005
2,2-Dichloropropane	ND<0.020	4.0	0.005	1,1-Dichloropropene	ND<0.020	4.0	0.005
cis-1,3-Dichloropropene	ND<0.020	4.0	0.005	trans-1,3-Dichloropropene	ND<0.020	4.0	0.005
Diisopropyl ether (DIPE)	ND<0.020	4.0	0.005	Ethylbenzene	ND<0.020	4.0	0.005
Ethyl tert-butyl ether (ETBE)	ND<0.020	4.0	0.005	Freon 113	ND<0.40	4.0	0.1
Hexachlorobutadiene	ND<0.020	4.0	0.005	Hexachloroethane	ND<0.020	4.0	0.005
2-Hexanone	ND<0.020	4.0	0.005	Isopropylbenzene	ND<0.020	4.0	0.005
4-Isopropyl toluene	ND<0.020	4.0	0.005	Methyl-t-butyl ether (MTBE)	ND<0.020	4.0	0.005
Methylene chloride	ND<0.020	4.0	0.005	4-Methyl-2-pentanone (MIBK)	ND<0.020	4.0	0.005
Naphthalene	ND<0.020	4.0	0.005	n-Propyl benzene	ND<0.020	4.0	0.005
Styrene	ND<0.020	4.0	0.005	1,1,1,2-Tetrachloroethane	ND<0.020	4.0	0.005
1,1,2,2-Tetrachloroethane	ND<0.020	4.0	0.005	Tetrachloroethene	ND<0.020	4.0	0.005
Toluene	ND<0.020	4.0	0.005	1,2,3-Trichlorobenzene	ND<0.020	4.0	0.005
1,2,4-Trichlorobenzene	ND<0.020	4.0	0.005	1,1,1-Trichloroethane	ND<0.020	4.0	0.005
1,1,2-Trichloroethane	ND<0.020	4.0	0.005	Trichloroethene	ND<0.020	4.0	0.005
Trichlorofluoromethane	ND<0.020	4.0	0.005	1,2,3-Trichloropropane	ND<0.020	4.0	0.005
1,2,4-Trimethylbenzene	0.039	4.0	0.005	1,3,5-Trimethylbenzene	0.032	4.0	0.005
Vinyl Chloride	ND<0.020	4.0	0.005	Xylenes	ND<0.020	4.0	0.005

Surrogate Recoveries (%)

%SS1:	87	%SS2:	96
%SS3:	107		

Comments: a3

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/13/09

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0911277

Lab ID	0911277-004A
Client ID	EEN-6
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	93	%SS2:	117
%SS3:	112		

Comments:

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

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

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/12/09

CAM / CCR 17 Metals*

Lab ID	0911277-001A	0911277-002A	0911277-003A	0911277-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	BEE-9	EEE-6	EES-5	EEN-6		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0911277

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	0.80	0.5	NA
Arsenic	5.1	5.2	3.1	6.2	0.5	NA
Barium	130	120	95	160	5.0	NA
Beryllium	ND	0.67	ND	0.53	0.5	NA
Cadmium	0.47	0.42	ND	0.35	0.25	NA
Chromium	68	78	47	57	0.5	NA
Cobalt	13	11	7.5	5.5	0.5	NA
Copper	20	22	22	29	0.5	NA
Lead	7.4	5.0	5.6	7.2	0.5	NA
Mercury	ND	0.063	ND	0.065	0.05	NA
Molybdenum	0.59	0.75	1.0	2.4	0.5	NA
Nickel	76	74	60	49	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	61	59	28	51	0.5	NA
Zinc	40	43	40	62	5.0	NA
%SS:	109	112	108	108		

Comments

*water samples are reported in µg/L, 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 diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/12/09-11/13/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Bm Work Order: 0911277

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	BEE-9	S	ND	1	96	
002A	EEE-6	S	ND	1	98	
003A	EES-5	S	71	50	96	d7
004A	EEN-6	S	ND	1	96	

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

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

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/11/09
Livermore, CA 94550	Client P.O.:	Date Analyzed: 11/11/09-11/12/09

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3550C Analytical methods: SW8015B Work Order: 0911277

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
0911277-001A	BEE-9	S	ND	ND	1	91	
0911277-002A	EEE-6	S	ND	ND	1	109	
0911277-003A	EES-5	S	720	300	10	99	e1/e10
0911277-004A	EEN-6	S	3.9	ND	1	109	e1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/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:

e1) unmodified or weakly modified diesel is significant; and/or e10) fuel oil

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SM5520E/F

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47016 WorkOrder 0911277

EPA Method SM5520E/F **Extraction SM5520E/F** **Spiked Sample ID: 0911223-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
POG	ND	1000	109	107	1.73	93.3	92	1.44	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47016 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911277-001A	11/11/09 11:30 AM	11/11/09	11/13/09 11:10 AM	0911277-002A	11/11/09 11:43 AM	11/11/09	11/13/09 11:15 AM
0911277-003A	11/11/09 11:51 AM	11/11/09	11/13/09 11:20 AM	0911277-004A	11/11/09 11:58 AM	11/11/09	11/13/09 11:25 AM

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 SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47021 WorkOrder 0911277

EPA Method SW8015B **Extraction SW3550C** **Spiked Sample ID: 0911225-009A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	10	20	81.3	83.4	1.53	97.2	95.9	1.37	70 - 130	30	70 - 130	30
%SS:	90	50	95	95	0	85	84	1.36	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47021 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911277-001A	11/11/09 11:30 AM	11/11/09	11/11/09 9:59 PM	0911277-002A	11/11/09 11:43 AM	11/11/09	11/12/09 10:23 PM
0911277-003A	11/11/09 11:51 AM	11/11/09	11/12/09 11:35 PM	0911277-004A	11/11/09 11:58 AM	11/11/09	11/12/09 11:30 PM

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.

DHS ELAP Certification 1644

QA/QC Officer

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47048 WorkOrder: 0911277

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0911252-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	74.2	72.8	1.87	85.3	85.4	0.116	60 - 130	30	60 - 130	30
Benzene	ND	0.050	81.8	79.4	2.88	104	103	0.961	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	91.3	87.3	4.55	95.9	95.2	0.672	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	91.4	89.3	2.35	111	111	0	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	85.1	83.4	2.11	112	111	0.425	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	83.8	81.8	2.35	97.9	97.6	0.396	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	87	83.8	3.75	116	114	1.60	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	82.4	80.6	2.19	88.8	87.9	1.02	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	81.5	79.3	2.68	90.4	90.7	0.311	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	85.5	84.2	1.57	98.5	98.4	0.0271	60 - 130	30	60 - 130	30
Toluene	ND	0.050	87.2	85.5	2.06	116	115	0.873	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	96.9	94.2	2.81	122	120	1.37	60 - 130	30	60 - 130	30
%SS1:	95	0.13	97	97	0	108	107	0.425	70 - 130	30	70 - 130	30
%SS2:	118	0.13	104	104	0	108	107	0.277	70 - 130	30	70 - 130	30
%SS3:	112	0.013	100	100	0	121	119	1.37	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47048 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911277-001A	11/11/09 11:30 AM	11/11/09	11/11/09 11:46 PM	0911277-002A	11/11/09 11:43 AM	11/11/09	11/12/09 12:25 AM
0911277-003A	11/11/09 11:51 AM	11/11/09	11/13/09 6:46 PM	0911277-004A	11/11/09 11:58 AM	11/11/09	11/13/09 5:22 AM

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 ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0911277

EPA Method 6020A	Extraction SW3050B	BatchID: 47064	Spiked Sample ID: 0911277-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.80	50	108	107	0.404	10	105	105	0	75 - 125	20	75 - 125	20
Arsenic	6.2	50	101	101	0	10	103	107	4.38	75 - 125	20	75 - 125	20
Barium	160	500	96.9	98.1	0.860	100	92.5	93.2	0.765	75 - 125	20	75 - 125	20
Beryllium	0.53	50	94	91.9	2.28	10	93.1	91.8	1.34	75 - 125	20	75 - 125	20
Cadmium	0.35	50	105	104	0.647	10	106	107	0.564	75 - 125	20	75 - 125	20
Chromium	57	50	NR	NR	NR	10	104	104	0	75 - 125	20	75 - 125	20
Cobalt	5.5	50	92	91.8	0.156	10	99.1	98.9	0.192	75 - 125	20	75 - 125	20
Copper	29	50	105	106	0.468	10	106	107	0.376	75 - 125	20	75 - 125	20
Lead	7.2	50	102	101	0.396	10	103	103	0	75 - 125	20	75 - 125	20
Mercury	0.065	1.25	102	103	0.372	0.25	103	104	1.04	75 - 125	20	75 - 125	20
Molybdenum	2.4	50	106	106	0	10	102	103	0.978	75 - 125	20	75 - 125	20
Nickel	49	50	105	106	0.295	10	106	105	1.33	75 - 125	20	75 - 125	20
Selenium	ND	50	108	108	0	10	112	110	1.44	75 - 125	20	75 - 125	20
Silver	ND	50	99.1	99	0.0606	10	101	100	0.0996	75 - 125	20	75 - 125	20
Thallium	ND	50	101	101	0	10	98.8	101	1.76	75 - 125	20	75 - 125	20
Vanadium	51	50	NR	NR	NR	10	103	104	1.15	75 - 125	20	75 - 125	20
Zinc	62	500	106	106	0	100	108	109	0.737	75 - 125	20	75 - 125	20
%SS:	108	250	108	108	0	250	105	106	1.44	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47064 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911277-001A	11/11/09 11:30 AM	11/11/09	11/12/09 12:25 PM	0911277-002A	11/11/09 11:43 AM	11/11/09	11/12/09 12:33 PM
0911277-003A	11/11/09 11:51 AM	11/11/09	11/12/09 12:51 PM	0911277-004A	11/11/09 11:58 AM	11/11/09	11/12/09 9:31 AM

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 applicable to this method.

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 ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47047 WorkOrder: 0911277

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0911252-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	107	110	2.64	116	117	0.660	70 - 130	20	70 - 130	20
MTBE	ND	0.10	77.4	79.7	2.95	107	94	12.9	70 - 130	20	70 - 130	20
Benzene	ND	0.10	90.7	84.2	7.50	93.9	89.8	4.50	70 - 130	20	70 - 130	20
Toluene	ND	0.10	91.7	87	5.20	92.7	90.5	2.44	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	90.7	85.8	5.57	90.8	89.9	1.03	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	90.9	88.2	3.07	92.6	93.2	0.592	70 - 130	20	70 - 130	20
%SS:	87	0.10	78	83	6.11	81	80	1.71	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47047 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911277-001A	11/11/09 11:30 AM	11/11/09	11/13/09 4:28 AM	0911277-002A	11/11/09 11:43 AM	11/11/09	11/13/09 5:56 AM
0911277-003A	11/11/09 11:51 AM	11/11/09	11/12/09 4:04 PM	0911277-004A	11/11/09 11:58 AM	11/11/09	11/13/09 5:27 AM

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 = matrix interference and/or 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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GEOCON Env. Consultants 6671 Brisa St Livermore, CA 94550	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
	Client Contact: John Love	Date Reported: 11/23/09
	Client P.O.:	Date Completed: 11/23/09

WorkOrder: 0911235

November 23, 2009

Dear John:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#E8415-06-83; Oakland CA,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCampbell 0911235

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

RUSH

3334 Victor Court (408) 588-0200
Santa Clara, CA 95054 (408) 588-0201 - Fax

ELAP No. 2346

Attention to: John Love	Phone No.: 925 371-5900	Purchase Order No.:	Invoice to: (If Different) Same / Phone:
Company Name: Geocon Consultants	Fax No.: 925 371-5915	Project No. / Name: E8415-06-83	Company:
Mailing Address: 6671 Brisa St	Email Address: love@geoconinc.com		Billing Address: (If Different)
City: Livermore	State: CA / Zip Code: 94550	Project Location: Oakland, CA	City: / State: / Zip:

Entech Order ID:

EDF ❑ Global ID:

Turn Around Time: ❑ Same Day ☒ 1 Day ❑ 2 Day ❑ 3 Day ❑ 4 Day ❑ 5 Day ❑ 10 Day

Sample Information — Sampler J. Love

Circle Applicable. Analyses columns: EPA 8260B Full List; 8260 Petroleum: List includes: Gas, BTEX, MtBE, EtBE, TBA, TAME, DIPE, 1,2-DCA, EDB; TPH g/d/mo; CAM 17 metals; O. & Grease; EPA 8270: Base/Neutral/Acid Organics, 8270 Full List, PAHs Only, PAHs - SIM; Pesticides-8081; PCBs - 8082; TPH Extractable: Diesel, Motor Oil, Other w/ Si-Gel Cleanup; TPH Gas, BTEX, MtBE by EPA 8015/8021B; 8270 PAHs added 11/23/09 24hr per email; Metals - Circle Below Total / Dissolved; STLC; TCLP

Client ID	Field Point	Date	Time	Entech Lab. No.	Matrix	No. of Containers	EPA 8260B	8260 Petroleum	TPH g/d/mo	CAM 17 metals	O. & Grease	8270 PAHs (added)	Remarks Instructions
	BW-11'	11/10/09	10:57		S	1	X		X	X	X	⊗	
	N-6'	↓	11:02		S		X		X	X	X	⊗	
	W-6'	↓	11:06		S		X		X	X	X	⊗	
	BE-11'	↓	11:13		S		X		X	X	X	⊗	
	S-6'	↓	11:15		S		X		X	X	X	⊗	
	Stockpile Comp A	↓	11:25		S		X	~~X~~	X	X	X		
	Comp B	↓	↓		S		X	~~X~~	X	X	X		
	Comp C	↓	↓		S		X	~~X~~	X	X	X		
	Comp D	↓	↓		S		X	~~X~~	X	X	X		

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	11/10/09	1357
[signature]	[signature]	11/10/09	1515

Lab Use: Rush TAT all samples

Composite samples Comp A,B,C,D in lab to form one sample called "stockpile A-D"

Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Tl, Sn, Ti, Zn, V
❑ Plating ❑ LUFT-5 ❑ RCRA-8 ❑ PPM-13 ❑ CAM-17

Lab Use:
Samples: Iced Y/N Temperature: ______ Shipment Method: ______
Appropriate Containers/Preservatives: Y/N Custody Seals? Y/N
Labels match CoC? Y/N Headspace? Y/N Seperate Receipt Log Y/N

If any N's, Explain:

ICE / t° 6.8
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ___ CONTAINERS ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION ___ VOAS | O&G | METALS | OTHER

McCampbell Analytical, Inc.
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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 091123 A **ClientCode: GECL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
John Love
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550
(925) 371-5900 FAX 925-371-5915

Email: love@geoconinc.com; Livermore@geoc
cc:
PO:
ProjectNo: #E8415-06-83; Oakland CA

Bill to:
Accounts Payable
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550

Requested TAT: 1 day
Date Received: **11/10/2009**
Date Add-On: **11/20/2009**
Date Printed: **11/20/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0911235-001	BW-11'	Soil	11/10/2009 10:57	☐	A											
0911235-002	N-6'	Soil	11/10/2009 11:02	☐	A											
0911235-003	W-6'	Soil	11/10/2009 11:06	☐	A											
0911235-004	BE-11'	Soil	11/10/2009 11:13	☐	A											
0911235-005	S-6'	Soil	11/10/2009 11:15	☐	A											

Test Legend:

1	8270D-PNA_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments: 8270 PAHs added 11/20/09 24hr per email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/20/09
Livermore, CA 94550	Client P.O.:	Date Analyzed: 11/20/09-11/23/09

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0911235

Lab ID	0911235-001A	0911235-002A	0911235-003A	0911235-004A	Reporting Limit for DF =1	
Client ID	BW-11'	N-6'	W-6'	BE-11'		
Matrix	S	S	S	S		
DF	1	50	1	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND<0.25	ND	ND	0.005	NA
Acenaphthylene	ND	ND<0.25	ND	ND	0.005	NA
Anthracene	ND	ND<0.25	ND	ND	0.005	NA
Benzo(a)anthracene	ND	ND<0.25	ND	ND	0.005	NA
Benzo(a)pyrene	ND	ND<0.25	ND	ND	0.005	NA
Benzo(b)fluoranthene	ND	ND<0.25	ND	ND	0.005	NA
Benzo(g,h,i)perylene	ND	ND<0.25	ND	ND	0.005	NA
Benzo(k)fluoranthene	ND	ND<0.25	ND	ND	0.005	NA
Chrysene	ND	ND<0.25	ND	ND	0.005	NA
Dibenzo(a,h)anthracene	ND	ND<0.25	ND	ND	0.005	NA
Fluoranthene	ND	ND<0.25	ND	ND	0.005	NA
Fluorene	ND	1.2	ND	ND	0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND<0.25	ND	ND	0.005	NA
1-Methylnaphthalene	ND	1.1	ND	ND	0.005	NA
2-Methylnaphthalene	ND	ND<0.25	ND	ND	0.005	NA
Naphthalene	ND	ND<0.25	ND	ND	0.005	NA
Phenanthrene	ND	0.79	ND	ND	0.005	NA
Pyrene	ND	ND<0.25	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1	86	---#	85	85		
%SS2	80	129	80	80		
Comments						

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

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

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

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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GEOCON Env. Consultants	Client Project ID: #E8415-06-83; Oakland CA	Date Sampled: 11/10/09
		Date Received: 11/10/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/20/09
Livermore, CA 94550	Client P.O.:	Date Analyzed: 11/20/09-11/23/09

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0911235

Lab ID	0911235-005A				Reporting Limit for DF =1	
Client ID	S-6'					
Matrix	S					
DF	50				S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	0.30				0.005	NA
Acenaphthylene	ND<0.25				0.005	NA
Anthracene	ND<0.25				0.005	NA
Benzo(a)anthracene	ND<0.25				0.005	NA
Benzo(a)pyrene	ND<0.25				0.005	NA
Benzo(b)fluoranthene	ND<0.25				0.005	NA
Benzo(g,h,i)perylene	ND<0.25				0.005	NA
Benzo(k)fluoranthene	ND<0.25				0.005	NA
Chrysene	ND<0.25				0.005	NA
Dibenzo(a,h)anthracene	ND<0.25				0.005	NA
Fluoranthene	ND<0.25				0.005	NA
Fluorene	2.3				0.005	NA
Indeno (1,2,3-cd) pyrene	ND<0.25				0.005	NA
1-Methylnaphthalene	11				0.005	NA
2-Methylnaphthalene	12				0.005	NA
Naphthalene	1.2				0.005	NA
Phenanthrene	2.6				0.005	NA
Pyrene	ND<0.25				0.005	NA
Surrogate Recoveries (%)						
%SS1	---#					
%SS2	---#					
Comments						

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

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

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

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47230 WorkOrder: 0911235

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0911277-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	102	98.8	3.47	106	106	0	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	89.1	88	1.34	92.2	92.2	0	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	101	105	4.13	107	107	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	91.8	91	0.791	93	92.4	0.662	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	95.2	94.3	0.950	94.9	94.6	0.413	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	87.5	86.5	1.11	90.7	90.1	0.657	30 - 130	30	30 - 130	30
%SS1:	82	0.050	82	81	0.993	84	85	0.228	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	80	0	80	81	0.417	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47230 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911235-001A	11/10/09 10:57 AM	11/20/09	11/20/09 10:27 PM	0911235-002A	11/10/09 11:02 AM	11/20/09	11/23/09 2:34 PM
0911235-003A	11/10/09 11:06 AM	11/20/09	11/20/09 11:43 PM	0911235-004A	11/10/09 11:13 AM	11/20/09	11/21/09 12:59 AM
0911235-005A	11/10/09 11:15 AM	11/20/09	11/23/09 3:57 PM				

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 ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants 6671 Brisa St Livermore, CA 94550	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
	Client Contact: John Love	Date Reported: 11/23/09
	Client P.O.:	Date Completed: 11/23/09

WorkOrder: 0911277

November 23, 2009

Dear John:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#E-8415-06-03; 29th/Bart Oakland,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

091277

RUSH

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ■ 5 DAY

GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: JOHN LOVE Bill To: SAME

Company: GEOCON CONSULTANTS

6671 BRISA ST

LIVERMORE, CA E-Mail: LOVE@GEOCONINC.COM LIVERMORE@... ,,

Tele: (925) 371-5900 Fax: (925) 371-5915

Project #: E8415-06-83 Project Name: 29th/BART OAKLAND

Project Location: OAKLAND, CA

Sampler Signature: CHRIS MERRITT

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCL	HNO_3	Other	BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 8260 (HVOCs) FULL	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515.3 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: 8270 PAH's added 11/3/09 JH	Comments
BEE-9		11-11-09	1130	1	4oz										X	X	X		X								X			X	X	
EEE-6		"	1143	1	"										X	X	X		X								X			X	X	
~~EEN-6~~ EES-6		"	1151	1	"										X	X	X		X								X			X	X	
EEN-6		"	1158	1	"										X	X	X		X								X			X	X	

Relinquished By:	Date:	Time:	Received By:
CHRIS MERRITT	11-11-09	1328	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 7.6°

GOOD CONDITION ✓

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS ✓

PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

COMMENTS:

Filter Samples for Metals analysis: Yes / No

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 091127 A **ClientCode: GECL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
John Love
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550
(925) 371-5900 FAX 925-371-5915

Email: love@geoconinc.com; Livermore@geoc
cc:
PO:
ProjectNo: #E-8415-06-03; 29th/Bart Oakland

Bill to:
Accounts Payable
GEOCON Env. Consultants
6671 Brisa St
Livermore, CA 94550

Requested TAT: 5 days
Date Received: **11/11/2009**
Date Add-On: **11/20/2009**
Date Printed: **11/20/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0911277-001	BEE-9	Soil	11/11/2009 11:30	☐	A											
0911277-002	EEE-6	Soil	11/11/2009 11:43	☐	A											
0911277-003	EES-5	Soil	11/11/2009 11:51	☐	A											
0911277-004	EEN-6	Soil	11/11/2009 11:58	☐	A											

Test Legend:

1	8270D-PNA_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments: 8270-PAHs added 11/20/09 on a 24hr per email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

GEOCON Env. Consultants	Client Project ID: #E-8415-06-03; 29th/Bart Oakland	Date Sampled: 11/11/09
		Date Received: 11/11/09
6671 Brisa St	Client Contact: John Love	Date Extracted: 11/20/09
Livermore, CA 94550	Client P.O.:	Date Analyzed 11/21/09-11/23/09

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270C Work Order: 0911277

Lab ID	0911277-001A	0911277-002A	0911277-003A	0911277-004A	Reporting Limit for DF =1	
Client ID	BEE-9	EEE-6	EES-5	EEN-6		
Matrix	S	S	S	S		
DF	1	1	50	1	S	W
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND	ND<0.25	ND	0.005	NA
Acenaphthylene	ND	ND	ND<0.25	ND	0.005	NA
Anthracene	ND	ND	ND<0.25	ND	0.005	NA
Benzo(a)anthracene	ND	ND	ND<0.25	ND	0.005	NA
Benzo(a)pyrene	ND	ND	ND<0.25	ND	0.005	NA
Benzo(b)fluoranthene	ND	ND	ND<0.25	ND	0.005	NA
Benzo(g,h,i)perylene	ND	ND	ND<0.25	ND	0.005	NA
Benzo(k)fluoranthene	ND	ND	ND<0.25	ND	0.005	NA
Chrysene	ND	ND	ND<0.25	ND	0.005	NA
Dibenzo(a,h)anthracene	ND	ND	ND<0.25	ND	0.005	NA
Fluoranthene	ND	ND	ND<0.25	ND	0.005	NA
Fluorene	ND	ND	1.3	ND	0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND	ND<0.25	ND	0.005	NA
1-Methylnaphthalene	ND	ND	6.1	ND	0.005	NA
2-Methylnaphthalene	ND	ND	0.41	ND	0.005	NA
Naphthalene	ND	ND	ND<0.25	ND	0.005	NA
Phenanthrene	ND	ND	1.6	ND	0.005	NA
Pyrene	ND	ND	ND<0.25	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1	80	85	---#	82		
%SS2	76	80	---#	80		
Comments						

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

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

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

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 47230 WorkOrder 0911277

EPA Method SW8270C **Extraction SW3550C** **Spiked Sample ID: 0911277-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzo(a)pyrene	ND	0.10	102	98.8	3.47	106	106	0	30 - 130	30	30 - 130	30
Chrysene	ND	0.10	89.1	88	1.34	92.2	92.2	0	30 - 130	30	30 - 130	30
1-Methylnaphthalene	ND	0.10	101	105	4.13	107	107	0	30 - 130	30	30 - 130	30
2-Methylnaphthalene	ND	0.10	91.8	91	0.791	93	92.4	0.662	30 - 130	30	30 - 130	30
Phenanthrene	ND	0.10	95.2	94.3	0.950	94.9	94.6	0.413	30 - 130	30	30 - 130	30
Pyrene	ND	0.10	87.5	86.5	1.11	90.7	90.1	0.657	30 - 130	30	30 - 130	30
%SS1:	82	0.050	82	81	0.993	84	85	0.228	30 - 130	30	30 - 130	30
%SS2:	80	0.050	80	80	0	80	81	0.417	30 - 130	30	30 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 47230 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911277-001A	11/11/09 11:30 AM	11/20/09	11/21/09 4:36 AM	0911277-002A	11/11/09 11:43 AM	11/20/09	11/21/09 2:15 AM
0911277-003A	11/11/09 11:51 AM	11/20/09	11/23/09 1:13 PM	0911277-004A	11/11/09 11:58 AM	11/20/09	11/21/09 12:55 AM

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.

APPENDIX C

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAS111111001	1	800-321-5478	002135592 JJK

GENERATOR

5. Generator's Name and Mailing Address

ALAMEDA COUNTY EMERG RESPONSE ONLY
111 GRAND AVENUE 12TH FLOOR
OAKLAND, CA 94623 USA

Generator's Site Address (if different than mailing address)

29TH AVENUE Street B
OAKLAND, CA 94623 USA

Generator's Phone: 510 633 8250

6. Transporter 1 Company Name: Ecology Control Industries — U.S. EPA ID Number: CAD980890173

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address

ECOLOGY CONTROL INDUSTRIES
255 PARR BOULEVARD
RICHMOND, CA 94801

U.S. EPA ID Number: CAD009486392

Facility's Phone: 510 235-1393

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON RCRA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	001	TP	1500	P	510
	2.			0		
	3.			0		
	4.			0		

14. Special Handling Instructions and Additional Information

QTY 1 EMPTY STORAGE TANK TANK # 3400d ECI JOB # 52T4006
WEAR PROPER PPE WHEN HANDLING WEIGHTS AND VOLUMES ARE APPROXIMATE

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Chris Blouse — Signature — Month 10 Day 9 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Blouse — Signature — Month 10 Day 9 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAS111111001	1	NRCES 510 749-1390	005391686 JJK

GENERATOR

5. Generator's Name and Mailing Address
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI Att JILL POLLOCK
111 GRAND AVENUE FLOOR ~~11~~ 12th CB
OAKLAND CA 94623
Generator's Phone: 510 622 8750

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 OAKLAND
29TH STREET UNDERPASS I-980 & HWY 24, ~~OAKLAND CA~~ Oakland CA CB

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.

U.S. EPA ID Number
CAR000030114

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Evergreen Oil, Inc.
6880 Smith Ave.
Newark CA 94560
Facility's Phone: 510 795-4400

U.S. EPA ID Number
CAD980887418

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON RCRA HAZARDOUS WASTE LIQUID (OILY WATER)	001	TT	1650	G	221
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA.
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 Trailer II 3290

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name [redacted] Caltrans | Signature [redacted] | Month 11 | Day 5 | Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name KEITH BANKS | Signature [redacted] | Month 11 | Day 05 | Year 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H-141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name [redacted] | Signature [redacted] | Month 11 | Day 19 | Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAS111111001
2. Page 1 of: 1
3. Emergency Response Phone: NRCES 510 748-1380
4. Manifest Tracking Number: 005391687 JJK

GENERATOR

5. Generator's Name and Mailing Address
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI Att JILL POLLOCK
111 GRAND AVENUE FLOOR 12 Floor 12th UB
OAKLAND CA 94623
Generator's Phone: 510 622-8750

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 ~~LIVERMORE~~
~~EAST BOUND HWY 580, BETWEEN N FIRST STREET AND LIVERMORE~~ CA
29th st & telegraph, oakland CA

U.S. EPA ID Number

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Evergreen Oil, Inc.
6880 Smith Ave.
Newark CA 94560
Facility's Phone: 510 795-4400
U.S. EPA ID Number: CAD980887418

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1 NON RCRA HAZARDOUS WASTE LIQUID (OILY WATER)	001	TT	123	G	221
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA. Trailer # 3290
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name [redacted] Signature [redacted] Month 11 Day 05 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PAUL CANEVARO Signature: Paul Canevaro Month 11 Day 08 Year 09
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H-141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Param J Singh Signature: Param J Singh Month 11 Day 19 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

APPENDIX D

510 755 5805

PLAN REVIEW LOG

JOB # - P09-1527 File

Date Submitted	Job Site	Company Name	Type of Plans
Nov 4, 2009	29th St.	GEOCON	tank removal permit
Date Assigned	I-980 overpass	CONSULTANTS, INC.	**Reviewer**
Nov 4, 2009	underneath	**Company Phone #**	Mathews
		925-371-5900	
Resubmitted	**Resubmitted Dates**	**Contact Person**	**Fees Paid**
○ Yes ○ No	1.)	JOHN LOVE	Yes
○ 1st ○ 3rd	2.)	**Expedite/After Hours**	**Fees Paid Date**
○ 2nd ○ 4th	3.)	○ Yes ○ No	Nov 4, 2009
	4.)		

Disposition | **Pick Up/Mailed Date**

Pick up person | **Pick up person Phone #**

Reviewed Dates	Amount of Time
1.)	
2.)	
3.)	**Review Complete Date**
4.)	

Plan Check Fees (NO inspections included)

Submittal/Resubmittal, full price for each system

		Units	Subtotal
a. Sprinkler System/Zone	○ 242.16		
b. Standpipe System	○ 242.16		
c. Underground Main	○ 242.16		
d. Fire Pump System	○ 242.16		
e. Fire Hydrant	○ 242.16		
f. FM 200, Halon, gas suppression system	○ 242.16		
g. Dry chemical suppression system	○ 242.16		
h. Spray Booth Installation	○ [illegible]		
Expedited plan check fee (a-h) min 2.0 hrs (FP Engineer)	○ 352.20		
i. Evacuation Plans	○ [illegible]		
j. Fire Alarm System	○ 242.16		
k. Range Hood & Duct Suppression System	○ 242.16		
Expedited plan check fee (i-j) min 2.0 hrs (Fire Inspector)	○ 352.20		

Inspection Fees

a. Inspection, $149.49/hour	○ 149.49		
b. Reinspection, $149.49/hour	○ 149.49		
c. After Hours Inspection ($242.16 x 2.5 hrs) $242.16 after 1st two hours	○ 560.60		

Tank Permit Fees/CUPA

a. Removal, 1st Tank ($242.16/hr x 2.5 hrs min. plus inspection $149.49)	◉ 754.89		$754.89
$149.49 each additional tank	○ 149.49		
b. Installation, 1st Tank ($242.16/hr x 2.5 hrs min. plus inspection $598.37)	○ 1203.77		
$149.49 each additional tank	○ [illegible]		
c. Modifications:	○ [illegible]		

Other Fees

Consultation Fee / FP Engineer time ($242.16/hr)	○ 242.16		
☐ Building Permit Fire Code Review - 65% of Building Permit Cost:			
	Total Cost		**$ 754.8**

29th St. I-980 UST appl's

Comments

11/4/09 submitting four (4) sets of appl's c.p.

REVIEWED
OAKLAND FIRE DEPARTMENT
DATE: 11/6/09
ALL INSPECTIONS REQUIRE
48 HOURS NOTICE

Mailing Address

GEOCON CONSULTANTS, INC.

Date:	Check #	Amount Received:
11/4/2009	4008	$754.89

Total Amount Received: $754.89

Total Amount Due: $0.00

Billing Invoice Date:

(4 sets)

APPENDIX E

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAS111111001

2. Page 1 of: 1

3. Emergency Response Phone: NRCES 510 748-1390

4. Waste Tracking Number: 46449-04

5. Generator's Name and Mailing Address
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI
Att: JILL POLLOCK
111 GRAND AVENUE FLOOR 12
OAKLAND CA 94623
Generator's Phone: 510 622-8750

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 OAKLAND
29TH STREET & TELEGRAPH AVE, UNDER PASS
OAKLAND CA

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.

U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
POTRERO HILLS LANDFILL
3675 POTRERO HILL LANE
FAIRFIELD CA 94585
Facility's Phone: 707 432-4835

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE#: PHLF-09-015	001	CM	00015	Y	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIEMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA.
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 BIN#: R18242 ML

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [signature] Month: 11 Day: 19 Year: 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PASCUAL FLORES Signature: Pascual Flores Month: 11 Day: 19 Year: 09

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose Quinonez Signature: [signature] Month: 11 Day: 19 Year: 09

169-BLC-O 6 10498 (Rev. 8/06)

2102 9D203779

DESIGNATED FACILITY TO GENERATOR

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
3675 POTRERO HILLS LANE
SUISUN, CA

Deputy: Janee Gutierrez
Deposit: Janee Gutierrez
BILL TO: 169
NRC ENVIRONMENTAL SERVICE

Vehicle ID:
Reference: PHLF09015
HaulCust#: 2102
DriverOn?: N
Route: 46449-04 BOX R18242ML
TRLR/LP#: 9D20359

Origin: OAKLAND
DATE IN: 11/19/2009 TIME IN: 14:55:27
DATE OUT: 11/19/2009 TIME OUT: 15:30

INBOUND TICKET Number: 01-049221

SCALE 1 GROSS WT.	64360	LB
SCALE 3 TARE WT.	39020	LB
NET WEIGHT	25340	LB

Qty	Description	Amount
12.67	Profile Soil-T ADC	

X_____

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CAS111111001	1	NRCES 510 748-1390	46449-05

GENERATOR

5. Generator's Name and Mailing Address
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI Att: JILL POLLOCK
111 GRAND AVENUE FLOOR 12
OAKLAND CA 94623
Generator's Phone: 510 622-8750

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 OAKLAND
29TH STREET & TELEGRAPH AVE, UNDER PASS
OAKLAND CA

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.

U.S. EPA ID Number
CAR000030114

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
POTRERO HILLS LANDFILL
3675 POTRERO HILL LANE
FAIRFIELD CA 94585
Facility's Phone: 707 432-4635

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE#: PHLF-08-015	001	CM	00015	Y	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA.
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 BIN#:
R1955mL

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name | Signature | Month 11 | Day 19 | Year 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Juan C. Martin | Signature: J. Martin | Month 11 | Day 19 | Year 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jane Quinonez | Signature | Month 11 | Day 19 | Year 09

169-BLC-O 6 10498 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

7099 – GB 17711

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
3675 POTRERO HILLS LANE
SUISUN, CA 94585

Deputy: Janee Quinonez
Deposit: Janee Quinonez
BILL TO: 169
NRC ENVIRONMENTAL SERVICE

Vehicle ID:
Reference: PHLF09015
HaulCust#: 2099
DriverOn?: N
Route: 46449-05 BOX R1955ML
TRLR/LP#: 9B17711

Origin: OAKLAND
DATE IN: 11/19/2009 TIME IN: 14:53:09
DATE OUT: 11/19/2009 TIME OUT: 15:27

INBOUND TICKET Number: 01-049219

SCALE 1 GROSS WT.	63660	LB
SCALE 3 TARE WT.	37880	LB
NET WEIGHT	25780	LB

Qty	Description	Amount
12.89	Profile Soil-T ADC	

X_____

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

I certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X T. Martin
(Signature)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CAS111111001	1	NRCES 510 749-1390	46449 - 01

GENERATOR

5. Generator's Name and Mailing Address
Att: JILL POLLOCK
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI
111 GRAND AVENUE FLOOR 12
OAKLAND CA 94623
Generator's Phone: 510 622-8750

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 OAKLAND
29TH STREET & TELEGRAPH AVE, UNDER PASS
OAKLAND CA

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.

U.S. EPA ID Number
CAR000030114

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
POTRERO HILLS LANDFILL
3675 POTRERO HILL LANE
FAIRFIELD CA 94585
Facility's Phone: 707 432-4635

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE#: PHLF-09-015	001	CM	00015	Y	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA.
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 BIN#:
R1800 1 ML

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Ron Yu Signature: [signature] Month: 11 Day: 19 Year: 09

INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PASCUAL FLORES Signature: Pascual Flores Month: 11 Day: 19 Year: 09

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: PHLF JONES Signature: JONES Month: 11 Day: 19 Year: 09

9D74430

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
3675 POTRERO HILLS LANE
SUISUN, CA 94585

Deputy: Janee Quinonez
Deposit: Sharmaine Jones
BILL TO: 169
NRC ENVIRONMENTAL SERVICE

Vehicle ID:
Reference: PHLF09015
HaulCust#: 46449-01
DriverOn?: N
Route: BOX R18001ML
TRLR/LP#: 9D74430

Origin: OAKLAND
DATE IN: 11/19/2009 TIME IN: 09:25:22
DATE OUT: 11/19/2009 TIME OUT: 10:15

INBOUND TICKET Number: 01-049094

SCALE 1 GROSS WT.	46980	LB
SCALE 3 TARE WT.	38360	LB
NET WEIGHT	8620	LB

Qty	Description	Amount
4.31	Profile Soil-T ADC	

X_____

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____
(Driver Signature)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CAS111111001	1	NRCES 510 749-1390	46449-02

GENERATOR

5. Generator's Name and Mailing Address
Att. JILL POLLOCK
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI
111 GRAND AVENUE FLOOR 12
OAKLAND CA 94623
Generator's Phone: 510 622-8760

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 OAKLAND
29TH STREET & TELEGRAPH AVE, UNDER PASS
OAKLAND CA

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.

U.S. EPA ID Number
CAR000030114

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
POTRERO HILLS LANDFILL
3675 POTRERO HILL LANE
FAIRFIELD CA 94585
Facility's Phone: 707 432-4635

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE#: PHLF-09-015	001	CM	00015	Y	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA.
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 BIN#: R1831ML

BIN# R1831ML

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Ron Yu Signature: [signature] Month: 11 Day: 19 Year: 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Juan C. Martin Signature: J. Martin Month: 11 Day: 19 Year: 09

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: PHLF STONES Signature: STONES Month: 11 Day: 19 Year: 09

9817711

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
3675 POTRERO HILLS LANE
SUISUN, CA 94585

Deputy: Janee Quinonez
Deposit: Sharmaine Jones
BILL TO: 169
NRC ENVIRONMENTAL SERVICE

Vehicle ID:
Reference: PHLF09015
HaulCust#: 46449-02
DriverOn?: N
Route: BOX R1831ML
TRLR/LP#: 9B17711

Origin: OAKLAND
DATE IN: 11/19/2009 TIME IN: 09:29:19
DATE OUT: 11/19/2009 TIME OUT: 10:18

INBOUND TICKET Number: 01-049096

SCALE 1 GROSS WT.	59320	LB
SCALE 3 TARE WT.	37580	LB
NET WEIGHT	21740	LB

Qty	Description	Amount
10.87	Profile Soil-T ADC	

X_____

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
CAS111111001	1	NRCES 510 749-1390	46449-03

GENERATOR

5. Generator's Name and Mailing Address
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI
Attn: JILL POLLOCK
111 GRAND AVENUE FLOOR 12
OAKLAND CA 94623
Generator's Phone: 510 622-8750

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 OAKLAND
29TH STREET & TELEGRAPH AVE, UNDER PASS
OAKLAND CA

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
POTRERO HILLS LANDFILL
3675 POTRERO HILL LANE
FAIRFIELD CA 94585
Facility's Phone: 707-432-4835
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE#: PHLF-09-015	001	CM	00015	Y	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA.
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 BIN#: R1928 mL

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: RON YEE Signature: [signature] Month: 11 Day: 19 Year: 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: GARY WOODS Signature: Gary Woods Month: 11 Day: 19 Year: 09
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: PHIL JONES Signature: [signature] Month: 11 Day: 19 Year: 09

9020354

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
3675 POTRERO HILLS LANE
SUISUN, CA 94585

Deputy: Janee Quinonez
Deposit: Sharmaine Jones
BILL TO: 169
NRC ENVIRONMENTAL SERVICE

Vehicle ID:
Reference: PHLF09015
HaulCust#: 46449-03
DriverOn?: N
Route: BOX R1928ML
TRLR/LP#: 9D20359

Origin: OAKLAND
DATE IN: 11/19/2009 TIME IN: 09:27:07
DATE OUT: 11/19/2009 TIME OUT: 10:19

INBOUND TICKET Number: 01-049095

SCALE 1 GROSS WT.	65700	LB
SCALE 3 TARE WT.	39080	LB
NET WEIGHT	26620	LB

Qty	Description	Amount
13.31	Profile Soil-T ADC	

X_____

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	CAS111111001	1	NRCES 510 749-1390	46449-06

GENERATOR

5. Generator's Name and Mailing Address
Attn: JILL POLLOCK
DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI
111 GRAND AVENUE FLOOR 12
OAKLAND CA 94623
Generator's Phone: 510 622-8750

Generator's Site Address (if different than mailing address)
CALTRANS DISTRICT#4 OAKLAND
29TH STREET & TELEGRAPH AVE, UNDER PASS
OAKLAND CA

6. Transporter 1 Company Name
NRC ENVIRONMENTAL SERVICES INC.
U.S. EPA ID Number: CAR000030114

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
POTRERO HILLS LANDFILL
3675 POTRERO HILL LANE
FAIRFIELD CA 94585
Facility's Phone: 707 432-4635
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE#: PHLF-09-015	001	CM	00015	Y	NONE
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOB#/PO#: 46449
CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA.
NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 BIN#: NRC 3340

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [signature] Month: 11 Day: 19 Year: 09

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: GARY WOODS Signature: Gary Woods Month: 11 Day: 19 Year: 09
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [illegible] Signature: [signature] Month: 11 Day: 20 Year: 09

169-BLC-O 6 10498 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

.ERO HILLS LANDFILL, INC.
W... hed at:
P... ERO HILLS LANDFILL, INC.
... POTRERO HILLS LANE
S...SUN, CA 94585

Deputy: Latoya Long
Deposit: Latoya Long
BILL TO: 169
NRC ENVIRONMENTAL SERVICE

Vehicle ID:
Reference: PHLF09015
HaulCust#: 4644906
DriverOn?: N
Route: NRC3340

Origin: OAKLAND
DATE IN: 11/20/2009 TIME IN: 15:39:17
DATE OUT: 11/20/2009 TIME OUT: 15:48

INBOUND TICKET Number: 01-049518

MANUAL GROSS WT.	64280	LB
SCALE 3 TARE WT.	36860	LB
NET WEIGHT	27420	LB

Qty	Description	Amount
13.71	Profile Soil-T ADC	

X________________________

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X________________________
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X Mario Murguia
(Driver Signature)

APPENDIX F

January 20, 2010

Mr. John Love
Geocon Consultants, Inc.
6671 Brisa Street
Livermore, CA 94550
Fax (925)371-5915

Subject: UST Removal Report
29th Street
Oakland, California

Dear Mr. Love:

I have reviewed and approved the above referenced document. Please submit it to the Alameda County Health Care Services Agency (ACHCSA). Should the ACHCSA require, I declare under the penalty of perjury, that to the best of my knowledge, the information contained in the attached workplan is true and correct.

If you have any questions, or need additional information, please give me a call at (510) 622-6022.

Sincerely,

Chris Bledsoe
Transportation Engineer
Office of Construction Environmental Engineering Support

Table 1
UST Fluid Sample Results
TPHg, TPHd, TPHmo, PCBs, Detected VOCs, and Product Flammability
Caltrans - 29th Street
Oakland, California

Sample Location	Date	TPHg (ug/l)	TPHd (ug/l)	TPHmo (ug/l)	PCBs (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	Naphthalene (ug/l)	4-Methyl-2-pentanone (ug/l)	Product Flammability
1,500 Gallon UST	10/30/09	2,200	7,000,000	2,700,000	ND	55	55	19	86	155	18	>100 C^o

Notes-
ug/l - micrograms per liter
TPHg - Total petroleum hydrocarbons as gasoline
TPHd - Total petroleum hydrocarbons as diesel
TPHmo - Total petroleum hydrocarbons as motor oil
VOCs not listed above were reported as non-detect.
PCBs - Polychlorinated biphenyls
C^o - Degrees Celsius

Table 2
UST Fluid Sample Results
CAM 17 Metals
Caltrans - 29th Street
Oakland, California

Analyte	Date	1,500 Gallon UST (ug/l)
Antimony	10/30/2009	<0.5
Arsenic	10/30/2009	4.3
Barium	10/30/2009	220
Beryllium	10/30/2009	<0.5
Cadmium	10/30/2009	0.57
Chromium	10/30/2009	5.5
Cobalt	10/30/2009	1.9
Copper	10/30/2009	2.9
Lead	10/30/2009	3.8
Mercury	10/30/2009	0.038
Molybdenum	10/30/2009	0.58
Nickel	10/30/2009	6.5
Selenium	10/30/2009	0.62
Silver	10/30/2009	<0.19
Thallium	10/30/2009	<0.5
Vanadium	10/30/2009	4.4
Zinc	10/30/2009	170

Notes -
ug/l - micrograms per liter
CAM 17 metals - California Assessment Manual 17 metals
< - Not detected above stated laboratory reporting limit

Table 3
Soil Sample Results
TPHg, TPHd, TPHmo, Oil & Grease, VOCs, and PAHs
Caltrans - 29th Street
Oakland, California

Sample ID	Sample Location	Sample Depth (feet bgs)	Date	TPHg (mg/kg)	TPHd (mg/kg)	TPHmo (mg/kg)	Oil & Grease (mg/kg)	VOCs (mg/kg)	PAHs (mg/kg)
BW-11'	Bottom West	11	11/10/09	<1.0	<1.0	<5.0	<50	ND	ND
BE-11'	Bottom East	11	11/10/09	11	5.4	<5.0	<50	ND	ND
N-6'	North Sidewall	6	11/10/09	130	4,000	1,700	2,400	n-Butylbenzene = 0.029	Flourene = 1.2 1-Methylnaphthalene = 1.1 Phenanthrene = 0.79
S-6'	South Sidewall	6	11/10/09	200	7,200	2,500	8,800	n-Butylbenzene = 0.24 Naphthalene = 1.4 1,2,4-Trimethylbenzene = 0.69 sec-Butyl benzene = 0.089 Ethylbenzene = 0.10 n-Propyl benzene = 0.12 1,3,5-Trimethylbenzene = 0.16 Xylenes = 0.50	Acenaphthene = 0.30 Flourene = 2.3 1-Methylnaphthalene = 11 2-Methylnaphthalene = 12 Naphthalene = 1.2 Phenanthrene = 2.6
W-6'	West Sidewall	6	11/10/09	<1.0	<1.0	<5.0	<50	ND	ND
BEE-9'	Bottom East Extension	9	11/11/09	<1.0	<1.0	<5.0	<50	ND	ND
EEE-6'	East Extension East Sidewall	6	11/11/09	<1.0	<1.0	<5.0	<50	ND	ND
EES-5'	East Extension South Sidewall	5	11/11/09	71	720	300	900	n-Butyl benzene = 0.078 1,2,4-Trimethylbenzene = 0.039 1,3,5-Trimethylbenzene = 0.032	Flourene = 1.3 1-Methylnaphthalene = 6.1 2-Methylnaphthalene = 0.41 Phenanthrene = 1.6
EEN-6'	East Extension North Sidewall	6	11/11/09	<1.0	3.9	<5.0	<50	ND	ND
Stockpile A,B,C,D	4-Point Composite Stockpile Sample	- -	11/10/09	30	430	140	370	ND	NA

Notes-
mg/kg - milligrams per kilogram
bgs - below ground surface
TPHg - Total petroleum hydrocarbons as gasoline
TPHd - Total petroleum hydrocarbons as diesel
TPHmo - Total petroleum hydrocarbons as motor oil
VOCs - Volatile Organic Compounds
PAHs - Polynuclear aromatic hydrocarbons
< - Not detected above stated laboratory reporting limit
ND - Not detected
NA - Not Analyzed

Table 4
Soil Sample Results
CAM 17 Metals
Caltrans - 29th Street
Oakland, California

Analyte	BW-11' (mg/kg)	BE-11' (mg/kg)	N-6' (mg/kg)	S-6' (mg/kg)	W-6' (mg/kg)	BEE-9' (mg/kg)	EEE-6' (mg/kg)	EES-5' (mg/kg)	EEN-6' (mg/kg)	Stockpile A,B,C,D (mg/kg)
Antimony	<0.5	<0.5	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	0.80	<0.5
Arsenic	6.2	6.0	8.8	5.4	4.6	5.1	5.2	3.1	6.2	6.3
Barium	120	150	210	180	130	130	120	95	160	170
Beryllium	<0.5	0.54	0.62	<0.5	<0.5	<0.5	0.67	<0.5	0.53	<0.5
Cadmium	<0.25	<0.25	0.38	0.27	<0.25	0.47	0.42	<0.25	0.35	0
Chromium	51	72	51	49	52	68	78	47	57	48
Cobalt	25	22	11	9.8	11	13	11	7.5	5.5	16
Copper	21	22	27	22	15	20	22	22	29	21
Lead	7.3	6.6	9.6	3.9	5.5	7.4	5.0	5.6	7.2	12.0
Mercury	<0.05	<0.05	0.052	<0.05	<0.05	<0.05	0.063	<0.05	0.065	1.1
Molybdenum	0.77	1.0	2.2	1.2	1.1	0.59	0.75	1.0	2.4	1.1
Nickel	76	100	60	63	61	76	74	60	49	58
Selenium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vanadium	56	60	62	43	47	61	59	28	51	52
Zinc	35	38	61	54	46	40	43	40	62	53

Notes -
mg/kg - milligrams per kilogram
bgs - below ground surface
< - Not detected above stated laboratory reporting limit