

# RECEIVED

<u>PREPARED FOR</u>: CALTRANS DISTRICT 4 111 GRAND AVENUE, 12<sup>TH</sup> FLOOR OAKLAND, CA 94612

<u>PREPARED BY:</u> GEOCON CONSULTANTS, INC. 6671 BRISA STREET LIVERMORE, CALIFORNIA

GEOCON PROJECT NO. E8415-06-83 CALTRANS EA 04-3A5114 8:53 am, Jan 25, 2010

Alameda County Environmental Health





JANUARY 2010



GEOTECHNICAL E 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 29<sup>TH</sup> 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

JWL:RWD

- (3) Addressee
- JOHN W. LOVE No. 6315 OF Expired 11-30-10 DE COF CALIFORNIT
- (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 29<sup>th</sup> 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 29<sup>th</sup> 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<sup>3</sup>) 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 29<sup>th</sup> 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<sup>3</sup> 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<sup>3</sup> 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<sup>3</sup> 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<sup>3</sup> 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<sup>3</sup> 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.

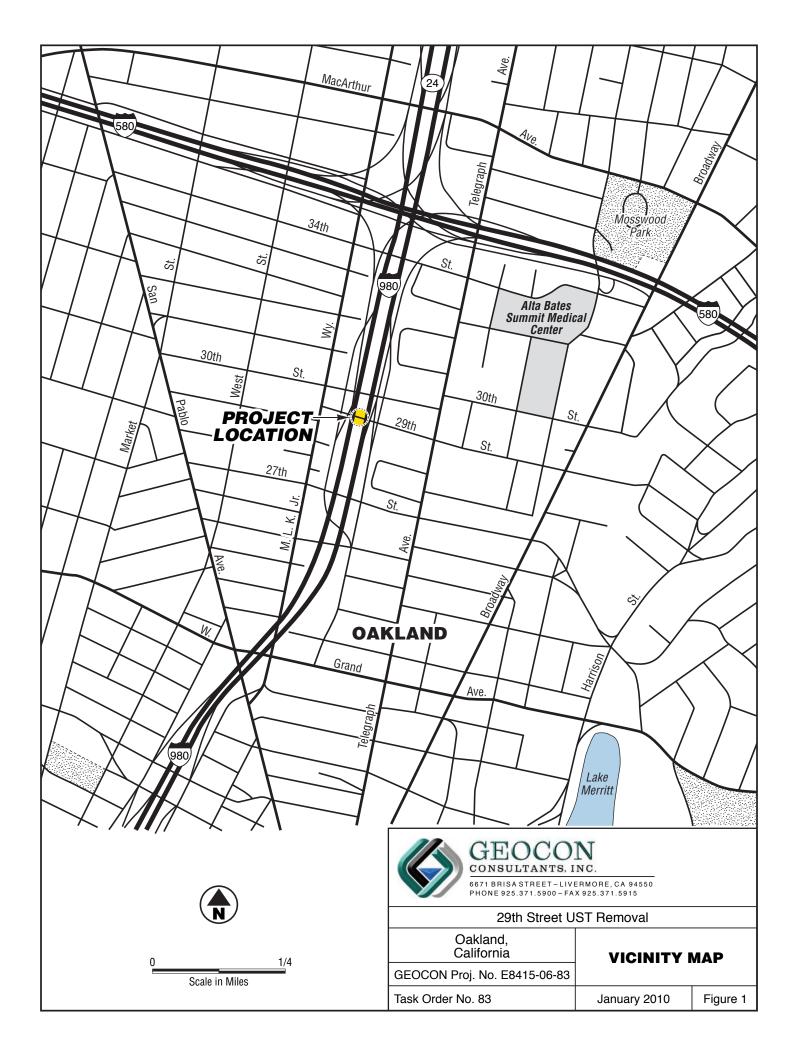
# 4.0 CONCLUSIONS AND RECOMMENDATIONS

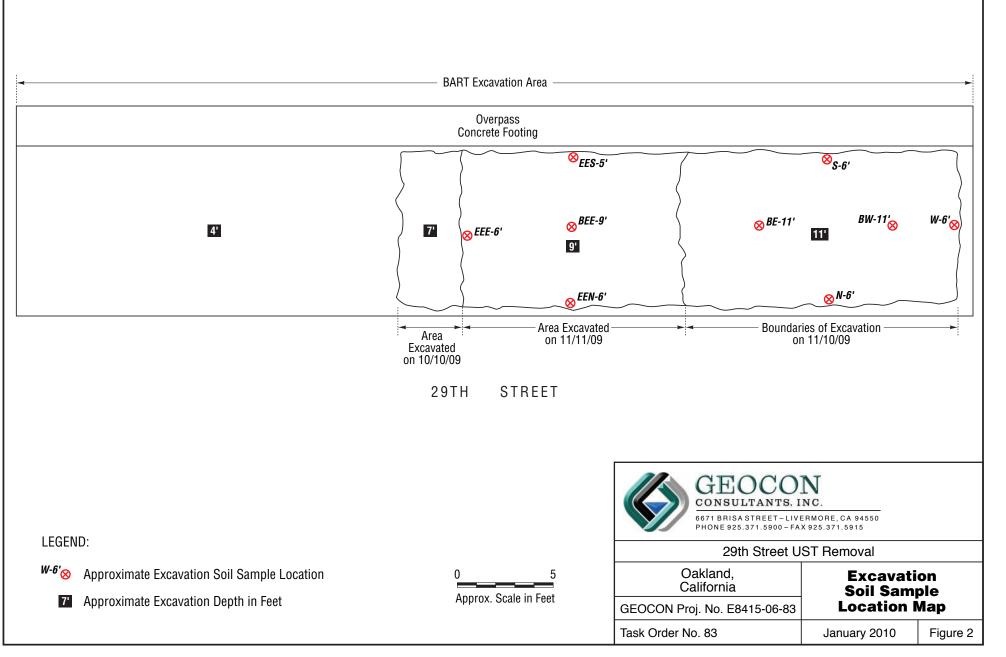
Based on field observations noted during the soil over-excavation activities, as well as analytical laboratory results of confirmation soil samples, the following is concluded:

- 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 29<sup>th</sup> 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.





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

Sample Locat	ion 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
	10/00/		- 000 000	2 700 000		~ ~ ~	~ ~ ~	10			(0)	
1,500 Gallon U	JST 10/30/0	09 2,200	7,000,000	2,700,000	ND	55	55	19	86	155	18	$>100 \text{ C}^{\circ}$

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<sup>o</sup> - 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

				altrans - 29th S Dakland, Calife					
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	$\label{eq:n-Butylbenzene} \begin{array}{l} \text{n-Butylbenzene} = 0.24\\ \text{Naphthalene} = 1.4\\ 1,2,4\text{-Trimethylbenzene} = 0.69\\ \text{sec-Butyl benzene} = 0.089\\ \text{Ethylbenzene} = 0.10\\ \text{n-Propyl benzene} = 0.12\\ 1,3,5\text{-Trimethylbenzene} = 0.16\\ \text{Xylenes} = 0.50 \end{array}$	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	
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

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

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

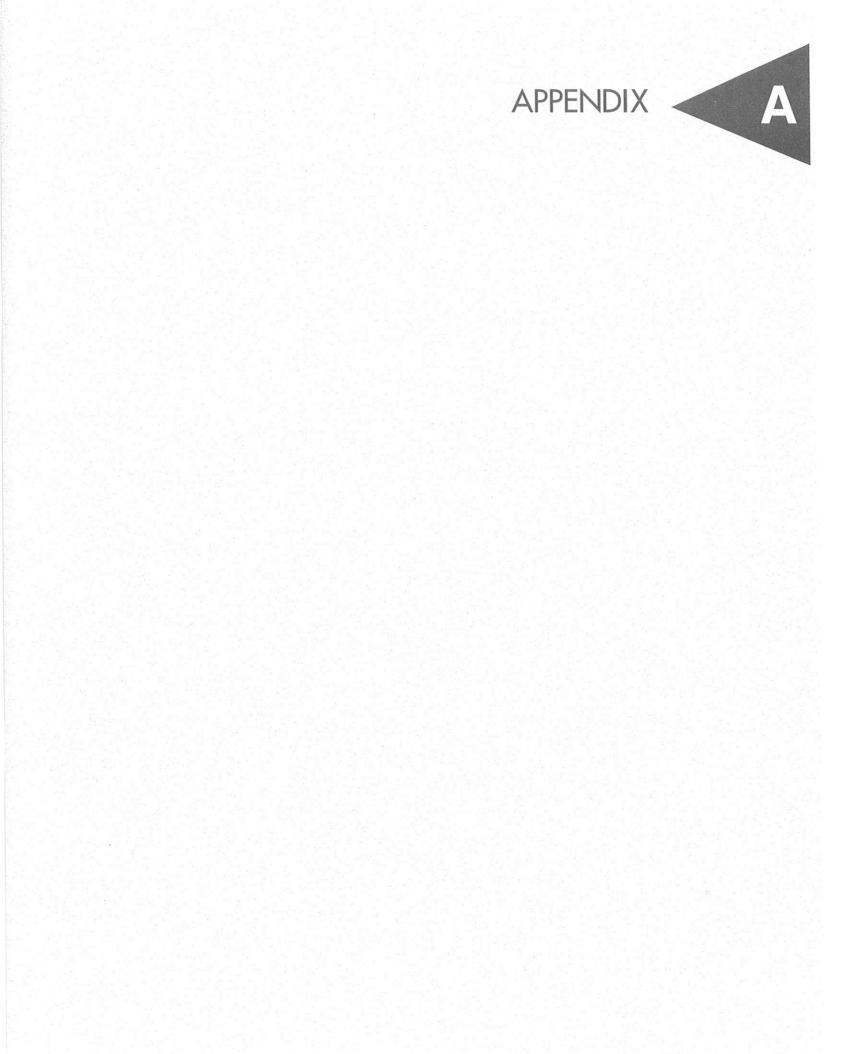




Photo 1 – View of top of UST. Top of UST has oily staining.



Photo 2 – View looking west down 29<sup>th</sup> 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.





	SITE PHOTOS 1, 2, &	3
	29 <sup>th</sup> Street UST Remova	1
	Oakland, California	
E8415-06-83		January 2010







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.





	SITE PHOTOS 4, 5, &	6
	29 <sup>th</sup> Street UST Remova	1
	Oakland, California	
E8415-06-83		January 2010



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.

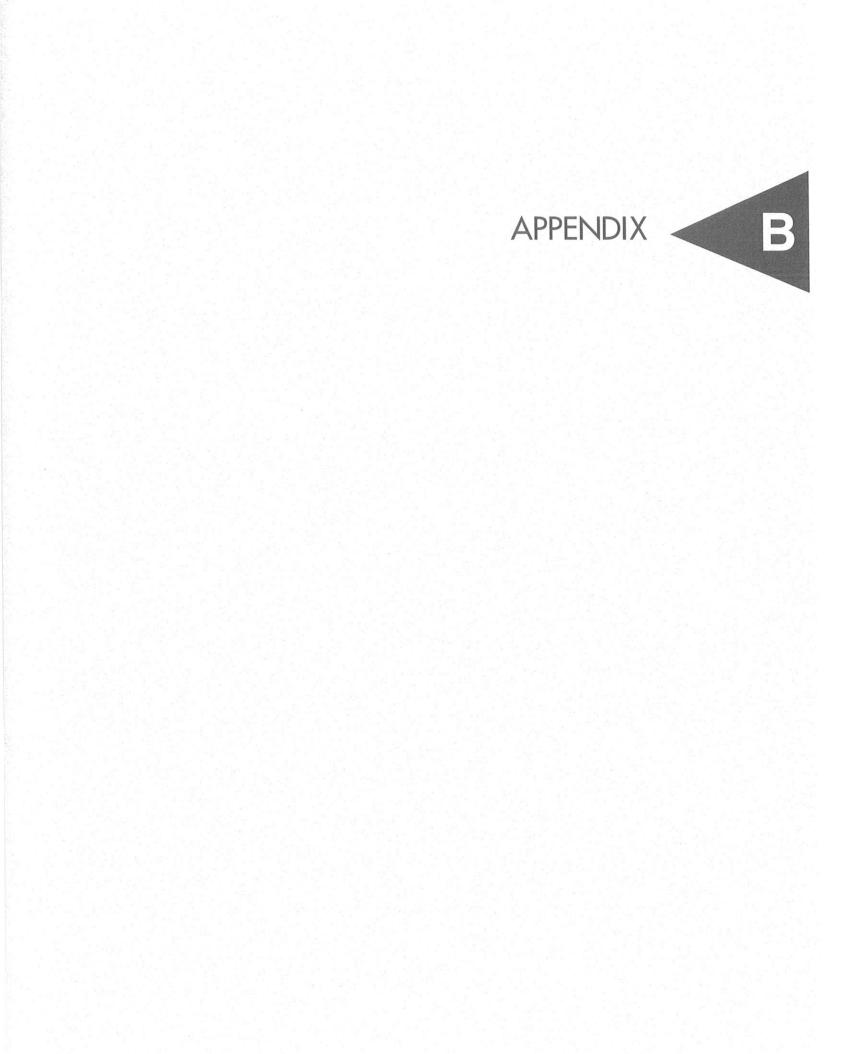


Photo 9 – View of excavation on 10/11/09 after additional soil was removed between excavated areas on 10/10/09.





	SITE PHOTOS 7, 8, &	9
	29 <sup>th</sup> Street UST Remova	1
	Oakland, California	
E8415-06-83		January 2010



**UST Fluid Sample Results** 

McCampbell An "When Ouality"		Web: www.mc	low Pass Road, Pittsburg, campbell.com E-mail: m one: 877-252-9262 Fax:	nain@mccampbell.com
GEOCON Env. Consultants	Client Project ID: #E8415 29th Ave	-06-83; Caltrans	Date Sampled:	10/30/09
6671 Brisa St	29th Ave		Date Received:	10/30/09
Livermore, CA 94550	Client Contact: John Lov	e	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.

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We Tel	bsite: <u>www.m</u> lephone: (87'	1534 WI PITTSBU ccampbel 7) 252-92	LLOW PA IRG, CA 9- Lcom En :62	SS RO 4565-1' nail: n	AD 701 nain@ Fax	AL	, I	NO	C.									οι	EDI	T T T T T	IM D	E PD Ch	Feck		K SII E	[ 24 xcel		)	ړ 48 Wr	nd "	7 On	2 HI (D) lag i	S DAY W) D s required Commen
Report To: Joh Company: Geoc	n Love	Itant		Bill To	):									.1		E					1		ues									T	g) Filter
Tele: (925) 3 Project #: E84). Project Location: Sampler Signatur	71-5900	3 tre, 0	I I Iaklan	-Mai ax: (	l: ]c 92: t Nai		Cal MA			Т	MET	110	D	is (602./ 8028++ 8015).///TBE	1 + 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)	(CI Pesticides)	EPA 608 8082 PCB's ONLY Aroctors / Congeners	P Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	260 (VOCs)	270 (SVOCs)	(10 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	/ 6010 / 6020)				Samples for Metal analysis: Yes No
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water				ICE	TOH		Other	BREN & TPH as Ga	TPH as Digsel (8015)	Total Petroleum Oil	Total Petroleum Hy-	EPA 502.2 / 601 / 80	MTBE / BTEX ONI	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 8082 PCH	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Ac	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	-EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (20	LUFT 5 Metals (200	Lead (200.7 / 200.8 / 6010 / 6020)				
	29th Ave	10/30/00	10:30	43	VOA	×			-		×			×	×						×			×			×				-	_	
	¥							_	-				_		-						-							-			L	•	
									_			_	-																				
										-											-												
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								-		-						_					_		_										
							_	_	_			_						c	ى د	-		_									100		4 -
Relinquished By		Date: 10/30/04 Date:	Time:	B	ived B	1	fin a							GO HE DE AP	PRO	CON SPAC ORI PRL	DIT TE A NAT	ION BSE ED CON		JABJ	M RS	ŧ,	_		Sa	mpl				Kel		i'g'	reful eguip.
Belinquished By:	~	Date:	Time:	Rece	ived B	y:	_						-	PR	ESE	RVE	D IN	LAI VO	3 1		¢G(	ME pH<			fvr oti		3	th	NOU	52	14		D.L.



Page 1 of 1

(925) 252-9262				WorkO	Order: 0910933	Clien	tCode: GECL		
	WaterTrax	WriteOn	EDF	Excel	Fax	✓ Email	HardCopy	ThirdParty	J-flag
Report to:				В	Bill to:		Req	uested TAT:	1 day
John Love GEOCON Env. Consultants 6671 Brisa St	Email: I cc: PO:	ove@geoconinc	.com; Livermo	re@geoc	Accounts Pay GEOCON Env 6671 Brisa St	v. Consultants	Dat	te Received:	10/30/2009
Livermore, CA 94550 (925) 371-5900 FAX 925-371-5915	ProjectNo: #	#E8415-06-83; C	altrans 29th A	ve	Livermore, CA	4 94550	Dat	te Printed:	10/30/2009
					F	Requested Test	s (See legend b	oelow)	

Lab ID	Client ID	Matrix	Collection Date Hold	1	2	3	4	5	6	7	8	9	10	11	12
0910933-001	29th Ave UST	Water	10/30/2009 10:30	В	E	С	A								

Test Legend:

1 8082A_PCB_W	2	8260B_W
6	7	
11	12	

W	3	CAM17(T)MS
	8	

4	G-MBTEX_W
9	

5	
10	

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.

W



# McCampbell Analytical, Inc. "When Ouality Counts"

# Sample Receipt Checklist

Client Name:	GEOCON Env. Co	onsultar	nts			Date a	and T	ime Received:	10/30/2009	7:05:31 PM
Project Name:	#E8415-06-83; Ca	altrans	29th Ave			Checl	klist c	completed and re	eviewed by:	Samantha Arbuckle
WorkOrder N°:	0910933	Matrix	<u>Water</u>			Carrie	er:	Benjamin Yslas	s (MAI Courier	2
			<u>Chain</u>	of Cu	stody (C	OC) Informa	ation	l		
Chain of custody	present?			Yes	✓	No 🗆				
Chain of custody	signed when relinqui	shed and	d received?	Yes	✓	No 🗆				
Chain of custody	agrees with sample la	abels?		Yes	✓	No 🗌				
Sample IDs noted	by Client on COC?			Yes	$\checkmark$	No 🗆				
Date and Time of	collection noted by Cli	ent on C	OC?	Yes	$\checkmark$	No 🗆				
Sampler's name r	noted on COC?			Yes	$\checkmark$	No 🗆				
			<u>s</u>	ample	Receipt	Information	<u>n</u>			
Custody seals int	tact on shipping contai	iner/cool	er?	Yes		No 🗆			NA 🗹	
Shipping containe	er/cooler in good cond	lition?		Yes	✓	No 🗆				
Samples in prope	er containers/bottles?			Yes	✓	No 🗆				
Sample containe	rs intact?			Yes	$\checkmark$	No 🗆				
Sufficient sample	volume for indicated	test?		Yes	✓	No 🗌				
		<u>Sa</u>	mple Prese	rvatio	n and Ho	old Time (HT	<u>) Info</u>	ormation		
All samples recei	ved within holding time	e?		Yes	✓	No 🗌				
Container/Temp E	Blank temperature			Coole	er Temp:	9.8°C			NA 🗆	
Water - VOA vial	ls have zero headspac	ce / no b	ubbles?	Yes	✓	No 🗆	No	VOA vials subm	itted	
Sample labels ch	necked for correct pres	servation	ו?	Yes	✓	No 🗌				
Metal - pH accep	table upon receipt (pH	l<2)?		Yes		No 🗹			NA 🗆	
Samples Receive	ed on Ice?			Yes	✓	No 🗆				
			(Ісе Тур	e: WE	TICE	)				
* NOTE: If the "N	lo" box is checked, se	ee comm	ents below.							
	======							=====	=====	=======

Client contacted:

Date contacted:

Contacted by:

Comments: Sample preserved upon reciept.

McCampbell An "When Ouality		<u>c.</u>	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		oject ID: #	10/30/09							
6671 Brisa St	Caltrans	29th Ave			Date Received: 10/30/09					
00/1 Dilsa St	Client C	ontact: Jo	hn Lov	e	Date Extracted:	10/30/09				
Livermore, CA 94550	Client P.	0.:			Date Analyzed	10/31/09				
Po	lychlorinated Bi	phenyls (P	CBs) A	roclors by GC-	ECD*					
Extraction Method: SW3510C	Anal	lytical Method	l: SW8082	2		Work Order:	0910933			
Lab ID	0910933-001B									
Client ID	29th Ave UST					Reporting Limit for DF =1				
Matrix	W									
DF	200					S	W			
Compound			Conce	ntration		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			
	Surr	ogate Rec	overies	(%)						
%SS:	#									
Comments	a2,b6									
* water samples in µg/L, soil/sludge/solid samples and all TCLP & SPLP extracts a ND means not detected above the reporti	re reported in mg/L					-	iquid			
# surrogate diluted out of range or surrog	-									
a2) sample diluted due to cluttered chron b6) lighter than water immiscible sheen/p										

When Our	Analytical, In litv Counts"	<u>nc.</u>		Web: www.mccan	Pass Road, Pittsburg, CA pbell.com E-mail: mai 877-252-9262 Fax: 92	n@mccampbell.com		
GEOCON Env. Consultants	Client F	Project II	): #E84	115-06-83;	Date Sampled:	10/30/09		
	Caltran	s 29th A	ve	10/30/09				
6671 Brisa St	Client	Contact:	Iohn I	01/0	Date Extracted:			
Livermore, CA 94550			JOIIII L	.076	-			
Livenhole, CA 94550	Client F	2.0.:			Date Analyzed	11/02/09		
	Volatile Orgai	nics by H	P&T and	d GC/MS (Basic T	[arget List)*			
Extraction Method: SW5030B		Analyt	ical Metho	d: SW8260B		Work Order: 0910	933	
Lab ID				091093	3-001E			
Client ID				29th A				
Matrix					ater			
Compound	Concentration *	DF	Reporting Limit	Compoi		Concentration *	DF	Reportin 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	Bromodichloromet	hane	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 (TI	BA)	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	Dibromochlorome	ND<10	20	0.5	
1,2-Dibromo-3-chloropropane	ND<4.0	20	0.2	1,2-Dibromoethane		ND<10	20	0.5
Dibromomethane	ND<10	20	0.5	1,2-Dichlorobenze		ND<10	20	0.5
1,3-Dichlorobenzene	ND<10	20	0.5	1,4-Dichlorobenze		ND<10	20	0.5
Dichlorodifluoromethane	ND<10	20	0.5	1,1-Dichloroethan		ND<10	20	0.5
1,2-Dichloroethane (1,2-DCA) cis-1,2-Dichloroethene	ND<10	<u>20</u> 20	0.5	1,1-Dichloroethen		ND<10	$\frac{20}{20}$	0.5
1,2-Dichloropropane	ND<10 ND<10	20	0.5	trans-1,2-Dichloro 1,3-Dichloropropa		ND<10 ND<10	20	0.5
2,2-Dichloropropane	ND<10	20	0.5	1,1-Dichloroprope		ND<10	20	0.5
cis-1,3-Dichloropropene	ND<10	20	0.5	trans-1,3-Dichloro		ND<10	20	0.5
Diisopropyl ether (DIPE)	ND<10	20	0.5	Ethylbenzene	propene	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 eth	er (MTBE)	ND<10	20	0.5
Methylene chloride	ND<10	20	0.5	4-Methyl-2-pentar		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-Tetrachlor	oethane	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-Trichlorober	izene	ND<10	20	0.5
1,2,4-Trichlorobenzene	ND<10	20	0.5	1,1,1-Trichloroeth	ane	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-Trimethylbe	nzene	ND<10	20	0.5
Vinvl Chloride	ND<10	20	0.5	Xvlenes		86	20	0.5
		Surr	ogate Re	coveries (%)		1		
%SS1:	9			%SS2:		11	2	
%SS3:	9	5						

#### 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

"When Ouality					one: 877-252-9262 Fa:	x: 925-252-9269				
GEOCON Env. Consultants		Project ID:	#E8415-0	5-83;	Date Sample	Date Sampled: 10/30/09				
	Caltrar	ns 29th Ave			Date Received 10/30/09					
6671 Brisa St	Client	Contact: Jo	hn Love	Date Extracte	Date Extracted 10/30/09					
Livermore, CA 94550	Client				Date Analyze	ed 11/02/09				
		CAM / CCI	R 17 Meta	lc*	Dute Thialy2					
				5						
Lab ID	0910933-0010	2				Reporting Lir	nit for DF =			
Client ID	29th Ave UST	,				ND means above the re				
Matrix	W					S	W			
Extraction Type	TOTAL					mg/kg	μg/L			
	ICP	-MS Metals	, Concent	ration*			·			
Analytical Method: E200.8	E	xtraction Metho	d: 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, proc ng/L, soil/sludge/solid samples in mg/kg,					LC / DISTLC / SPLP	extracts are repo	rted in			

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.



	McCampbell Analyti							
GEOCON	V Env. Consultants	Client Project ID: Caltrans 29th Ave	#E8415-06-83;	Date Sample	il: main@mccamp Fax: 925-252-926 led: 10/30/0 ved: 10/30/0 cted: 11/02/0 //zed 11/02/0 Work Ore DF %	/30/09		
6671 Bris	a St	Caluans 2901 Ave		Date Received: 10/30/09				
		Client Contact: Jo	ohn Love	Date Extract	ed: 11	/02/09		
Livermore	e, CA 94550	Client P.O.:	xed 11	/02/09				
			tile Hydrocarbons as G	asoline*		101	0010022	
Extraction met	hod SW5030B Client ID	Analytical n Matrix	TPH(g)			rk Order: % SS	0910933 Comments	
001A	29th Ave UST	W	2200			98	d7,b6	
001A	2901 AVE 051		2200		10	98	u7,00	
	Reporting Limit for DF =1;	W	50			μg/L	•	
	ND means not detected at or above the reporting limit	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

DHS ELAP Certification 1644



	Campbell Analy "When Ouality Counts		nc.	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			D: #E8415-06-83; Cal	Date Sampled: 10/30/09							
((71 D		29th A	ve			Date Received:	10/30/0	)9				
6671 Brisa St		Client	Contact:	John Love		Date Extracted:	10/30/0	)9				
Livermore, CA 9	4550	Client I	Client P.O.: Date Analyzed: 11/02/09									
		Total	l Extract	able Petroleum Hydrod	carboi	ns*						
Extraction method: S	W3510C		Analytical	methods: SW8015B	-		Wo	ork Order:	0910933			
Lab ID Client ID		Ν	Matrix	TPH-Diesel (C10-C23)	Т	CPH-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;	W	50	250	μg/L
ND means not detected at or above the reporting limit	S	NA	NA	mg/Kg

\* water samples are reported in  $\mu$ g/L, wipe samples in  $\mu$ g/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / STLC / STLC / TCLP extracts are reported in  $\mu$ g/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

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager



"When Ouality Counts"

## QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water		QC Matrix: Water Extraction SW3510C					Batch	ID: 46821	WorkOrder 0910933			
EPA Method SW8015B	Extra						Spiked Sample ID: N/A					
Analyte	Sample	e Spiked MS MSD M			MS-MSD	MS-MSD LCS		LCS-LCSD	Acce	eptance 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 Metho NONE										1.011		50

#### 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	I 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.

DHS ELAP Certification 1644

A QA/QC Officer



"When Ouality Counts"

# QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water	QC Matrix: Water					BatchID: 46826			WorkOrder 0910933			
EPA Method SW8021B/8015Bm	W8021B/8015Bm Extraction SW5030B							s	Spiked San	nple ID	: 0910885-0	05A
Analyte	Sample	ple Spiked MS MSD MS-MSD L					LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex <sup>f</sup> )	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												

			JMMARY				
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).

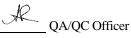
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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





"When Ouality Counts"

## QC SUMMARY REPORT FOR SW8082

W.O. Sample Matrix: Water QC Matrix: Water						BatchID: 46858				WorkOrder 0910933			
EPA Method SW8082	Extra	action SW3510C					Spiked Sample ID: N/A						
Analyte	Sample	Sample Spiked MS MSD MS-MSD LC					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 Metho NONE	od Blank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following	exceptions:				

#### 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

A QA/QC Officer



"When Ouality Counts"

# QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water	QC Matrix: Water						BatchID: 46830			WorkOrder 0910933		
EPA Method SW8260B	Extraction SW5030B Spiked Sampl								nple ID	ple ID: 0910878-001C		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	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

#### 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).

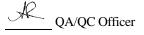
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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





## "When Ouality Counts"

# **QC SUMMARY REPORT FOR E200.8**

W.O. Sample Matrix: Water	QC Matrix: Water						BatchID: 46839			WorkOrder 0910933			
EPA Method E200.8	Extra	ction E20	0.8				Spiked Sample ID: 0910760-004A						
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acc	eptance	Criteria (%)	)	
, and y to	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	

#### BATCH 46839 SUMMARY

Lab ID	Date Sampled Date Extracted Da		Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0910933-001C	10/30/09 10:30 AM	1 10/30/09	11/02/09 4:40 PM				

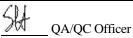
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% 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

When Quality		Web: www.mc	ow Pass Road, Pittsburg, campbell.com E-mail: m one: 877-252-9262 Fax:	ain@mccampbell.com
GEOCON Env. Consultants	Client Project ID: #E8415 29th Ave	-06-83; Caltrans	Date Sampled:	10/30/09
6671 Brisa St	29th Ave		Date Received:	10/30/09
Livermore, CA 94550	Client Contact: John Love	e	Date Reported:	11/04/09
Livernioie, Cry 94550	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.

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Tele: (925) 5 Project #: E84 Project Location Sampler Signate	0	SAM	PLING		2		MAT	RD	x	M	ETH	IOD	as (6		8	vdroe	/ 010	LY (	2	B.2	P Pe	260 /	270 (	010	0.7 /	0.7 /	/ 601	2	00	
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SAMPLE ID	Field Point			Containers	Type Containers								HdT & X3T0	TPH as Diesel (8015)	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 (CI Pesticides)	EPA 608 [ 5082 PCB's ONLY Aroclors /	EPA SUL/ 8141 (NP Pesticides)	EPA 524.2 / 624 / 8260 (VOCo)	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)	nol	2	
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# McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Pittsburg, CA 94565-1701 (925) 252-9262				WorkOrd	der: 091093	A Clien	tCode: GECL		
	WaterTrax	WriteOn		Excel	Fax	🖌 Email	HardCopy	ThirdParty	J-flag
Report to:				Bi	ill to:		Red	quested TAT:	1 day
John Love		e@geoconinc.	com; Livermo	re@geoc	Accounts Pa	,	Da	te Received:	10/30/2009
GEOCON Env. Consultants 6671 Brisa St	cc: PO:				GEOCON E 6671 Brisa	Env. Consultants St	Da	te Add-On:	11/04/2009
Livermore, CA 94550	ProjectNo: #E8	415-06-83; Ca	altrans 29th A	ve	Livermore,	CA 94550	Da	te Printed:	11/04/2009
(925) 371-5900 FAX 925-371-5915									
						Pequested Test	c (See legend h		

Lab ID	Client ID	Matrix	Collection Date Hold	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
6	
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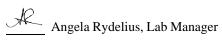
Prepared by: Samantha Arbuckle

### **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.

	IcCampbell Analyti "When Ouality Counts"	cal, Inc.		Web: www.mccamp	ass Road, Pittsburg, CA bell.com E-mail: main 77-252-9262 Fax: 92:		om
GEOCON En	v. Consultants	Client Project ID:			Date Sampled:		
6671 Brisa St		Caltrans 29th Av	ve		Date Received:	10/30/09	
		Client Contact:	John Lo	ove	Date Extracted:	11/04/09	
Livermore, CA	A 94550	Client P.O.:			Date Analyzed	11/04/09	
Analytical Method	d: SW1010	Flas	sh Point <sup>*</sup>	*		Work Order:	0910933
Lab ID	Client ID	Ν	Matrix		Flash Point		Comments
0910933-001F	29th Ave UST		Р		>100 °C		
Reporting Limit	or Method Accuracy and Reporting Unit	s; ND means not	W		NA		
	detected at or above the reporting limit		Р		±2 °C		

DHS ELAP Certification 1644





"When Ouality Counts"

# QC SUMMARY REPORT FOR WET CHEMISTRY TESTS

Test Method:	Flash Point
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# Matrix: P

WorkOrder: 0910933

Method Nam	e: SW10	)10			U	nits ±°C				BatchID: 46838			
Lab ID		Sam	iple	DF	Dup	/ Ser. Dil.	DF	Precis	sion	Accep	otance Criteria		
0910933-001F		>100	°C	1	>1	100 °C	1	N/2	N/A 2		2		
					BATCH 4683	8 SUMMARY	<u>-</u>						
Lab ID	Date	Sampled	Date Extra	acted Da	te Analyzed	Lab ID	Dat	te Sampled	Date Ex	tracted	Date Analyzed		
0910933-001F	0/30/0	)9 10:30 AN	1 11/04	/09 11/04	4/09 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.

\_\_\_\_QA/QC Officer

UST Excavation and Stockpile Sample Results

McCampbell A		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	Date Sampled:	11/10/09				
6671 Brisa St	CA		Date Received:	11/10/09				
Livermore, CA 94550	Client Contact: John Lov	e	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.

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# McCampbell Analytical, Inc.



1534 Willow Pass Rd Pittsburg CA 94565 1701

# CHAIN-OF-CUSTODY RECORD

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Page 1 of 1

	252-9262					Work	Order:	09112	235 Cl	lientCode:	GECL			
		WaterTrax	WriteOr	EDF	Ľ	Excel	[	Fax	🗸 Email	Har	dCopy	ThirdPa	ty	J-flag
Report to:							Bill to:				Req	uested TA	Г:	1 day
John Love GEOCON E 6671 Brisa Livermore, ( 925-371-590	CA 94550	cc: PO:	-	iinc.com; Livermoi 3; Oakland CA	re@ge	eoc	GE 66	OCON 71 Brisa	Payable Env. Consultan a St ., CA 94550	ts		te Receive te Printed		10/2009 10/2009
									Requested T	ests (See le	egend b	oelow)		
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4 5	6 7	8	9 1	0 1	1 12
0911235-001	BW-11'		Soil	11/10/2009 10:57		А	А	А	A					
0911235-002	N-6'		Soil	11/10/2009 11:02		А	А	А	A					
0911235-003	W-6'		Soil	11/10/2009 11:06		А	А	А	А					

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11/10/2009 11:13

11/10/2009 11:15

11/10/2009 11:25

Soil

Soil

Soil

### Test Legend:

0911235-004

0911235-005

0911235-006

1	5520E_SG_S	2	826
6		7	
11		12	

2	8260B_S	
7		
12		

3	CAM17MS_S
8	

4	G-MBTEX_S
9	

5	
10	

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

BE-11'

S-6'

Stockpile A,B,C,D

# **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.

Prepared by: Maria Venegas



# McCampbell Analytical, Inc.

"When Ouality Counts"

# Sample Receipt Checklist

Client Name:	GEOCON Env. Co	nsultar	nts				Date a	and T	ime Received:	11/10/2009	3:10:07 PM
Project Name:	#E8415-06-83; Oa	kland C	CA				Check	dist c	completed and re	eviewed by:	Maria Venegas
WorkOrder N°:	0911235	Matrix	<u>Soil</u>				Carrie	er:	Rob Pringle (M	AI Courier)	
			<u>Chain</u>	of Cu	stody (C	<u>(30</u>	Informa	ation			
Chain of custody	present?			Yes	$\checkmark$		No 🗆				
Chain of custody	signed when relinqui	shed and	d received?	Yes	$\checkmark$		No 🗆				
Chain of custody	agrees with sample I	abels?		Yes	$\checkmark$		No 🗌				
Sample IDs noted	by Client on COC?			Yes	$\checkmark$		No 🗆				
Date and Time of	collection noted by Cli	ent on C	OC?	Yes	$\checkmark$		No 🗆				
Sampler's name r	noted on COC?			Yes	✓		No 🗆				
			Sa	ample	Receipt	Info	rmation	<u>1</u>			
Custody seals int	tact on shipping conta	iner/cool	er?	Yes			No 🗆			NA 🔽	
Shipping containe	er/cooler in good cond	ition?		Yes	$\checkmark$		No 🗆				
Samples in prope	er containers/bottles?			Yes	$\checkmark$		No 🗆				
Sample containe	rs intact?			Yes	$\checkmark$		No 🗆				
Sufficient sample	volume for indicated	test?		Yes	$\checkmark$		No 🗌				
		Sa	mple Preser	vatior	n and Ho	ld Ti	ime (HT)	<u>) Info</u>	ormation		
All samples recei	ved within holding tim	e?		Yes	✓		No 🗌				
Container/Temp E	Blank temperature			Coole	r Temp:	6.8	°C			NA 🗆	
Water - VOA vial	ls have zero headspa	ce / no b	ubbles?	Yes			No 🗌	No	VOA vials subm	itted 🗹	
Sample labels ch	necked for correct pres	servation	1?	Yes	✓		No 🗌				
Metal - pH accept	table upon receipt (pH	<2)?		Yes			No 🗌			NA 🗹	
Samples Receive	ed on Ice?			Yes	✓		No 🗆				
			(Ice Type	e: WE	TICE	)					
* NOTE: If the "N	lo" box is checked, se	e comm	ents below.								

Client contacted:

Date contacted:

Contacted by:

Comments:

<u> McC</u>	Campbell Analyt	ical, Inc.	Web: www.mccamp	Pass Road, Pitts bell.com E-1 377-252-9262	nail: main	@mccampbel	
GEOCON Env. (	Consultants	Client Project ID: Oakland CA	#E8415-06-83;	Date Sam			
6671 Brisa St		Client Contact: Jo	ohn Love	Date Kee			
Livermore, CA 94	4550	Client P.O.:		Date Ana	lyzed	11/11/09	
Extraction method: SM:			with Silica Gel Clean-U nethods: SM5520E/F	<b>p</b> *		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;	W	NA	NA
ND means not detected at or	S	50	ma/Ka
above the reporting limit	3	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

When Oua	nalytical, Ir	<u>nc.</u>		Web: www.mccam	Pass Road, Pittsburg, CA pbell.com E-mail: mai 877-252-9262 Fax: 92	n@mccampbell.com								
GEOCON Env. Consultants		•	): #E84	415-06-83;	Date Sampled:	11/10/09								
	Oakland	1 CA			Date Received:	ceived: 11/10/09								
6671 Brisa St	Client C	Contact:	John L	ove	Date Extracted:	11/10/09								
Livermore, CA 94550	Client P				Date Analyzed									
			&T and	d GC/MS (Basic T										
Extraction Method: SW5030B	volatile Organ	•		d: SW8260B	aiget List)	Work Order: 0911	235							
Lab ID				091123	5-001A									
Client ID														
Matrix		BW-11' Soil												
Compound	Concentration *	DF	Reporting Limit	Compou		Concentration *	DF	Reporting Limit						
Acetone	ND	1.0	0.05	tert-Amyl methyl e	ther (TAME)	ND	1.0	0.005						
Benzene	ND	1.0	0.005	Bromobenzene	,	ND	1.0	0.005						
Bromochloromethane	ND	1.0	0.005	Bromodichloromet	hane	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 (TE	BA)	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								
Chloromethane	ND	1.0	0.005	2-Chlorotoluene		ND								
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromet	hane	ND	$\frac{1.0}{1.0}$	0.005						
1,2-Dibromo-3-chloropropane	ND	1.0	0.003	1,2-Dibromoethane										
Dibromomethane	ND	1.0	0.004	1,2-Dichlorobenzer		ND	<u>1.0</u> 1.0	0.004						
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzer		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	0.003	1,1-Dichloroethene		ND	1.0	0.005						
cis-1,2-Dichloroethene	ND	1.0	0.004	trans-1,2-Dichloro		ND	1.0	0.005						
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropa		ND	1.0	0.005						
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloroproper		ND	1.0	0.005						
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloro		ND	1.0	0.005						
					propene			0.005						
Diisopropyl ether (DIPE)	ND	<u>1.0</u> 1.0	0.005	Ethylbenzene		ND	$\frac{1.0}{1.0}$	0.005						
Ethyl tert-butyl ether (ETBE)	ND			Freon 113		ND								
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 ethe		ND	1.0	0.005						
Methylene chloride	ND	1.0	0.005	1	one (MIBK)	ND	1.0	0.005						
Naphthalene	ND	1.0	0.005	n-Propyl benzene	.1	ND	1.0	0.005						
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachlore	bethane	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-Trichloroben		ND	1.0	0.005						
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroeth	ane	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-Trichloropro		ND	1.0	0.005						
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylber	izene	ND	1.0	0.005						
Vinvl Chloride	ND	1.0	0.005	Xvlenes		ND	1.0	0.005						
			ogate Re	coveries (%)										
%SS1:	90			%SS2:		10	8							
%SS3:	11	2		1										

\* 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.

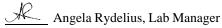
ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.



When Our "When Our	Analytical, In ality Counts"	<u>nc.</u>		Web: www.mccar	v Pass Road, Pittsburg, Ca npbell.com E-mail: mai : 877-252-9262 Fax: 92	n@mccampbell.com		
GEOCON Env. Consultants	Client I	Project II	<b>)</b> : #E84	115-06-83;	Date Sampled:	11/10/09		
	Oaklan	d CA			Date Received:	11/10/09		
6671 Brisa St	Client	Contact:	Iohn I	hn Love Date Extracted: 11/10/09				
Livermore, CA 94550			JOIIII L	.070				
Elvennole, CA 94550	Client H	2.0.:			Date Analyzed	11/10/09		
	Volatile Orga	nics by F	°&T and	d GC/MS (Basic 7	Farget List)*			
Extraction Method: SW5030B		Analyt	ical Metho	d: SW8260B		Work Order: 0911	235	
Lab ID				09112	35-002A			
Client ID					[-6'			
Matrix				S	oil			
Compound	Concentration *	DF	Reporting Limit	Compo	und	Concentration *	DF	Reportin 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	Bromodichlorome	thane	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 (T	BA)	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			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-Dibromoethan	e (EDB)	ND<0.016	4.0	0.004
Dibromomethane	ND<0.020	4.0	0.005	1,2-Dichlorobenze		ND<0.020	4.0	0.005
1,3-Dichlorobenzene	ND<0.020	4.0	0.005	1,4-Dichlorobenze		ND<0.020	4.0	0.005
Dichlorodifluoromethane	ND<0.020	4.0	0.005	1,1-Dichloroethan	e	ND<0.020	4.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.016	4.0	0.004	1,1-Dichloroethen	e	ND<0.020	4.0	0.005
cis-1,2-Dichloroethene	ND<0.020	4.0	0.005	trans-1,2-Dichloro		ND<0.020	4.0	0.005
1,2-Dichloropropane	ND<0.020	4.0	0.005	1,3-Dichloropropa		ND<0.020	4.0	0.005
2,2-Dichloropropane	ND<0.020	4.0	0.005	1,1-Dichloroprope		ND<0.020	4.0	0.005
cis-1,3-Dichloropropene	ND<0.020	4.0	0.005	trans-1,3-Dichloro	propene	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 eth		ND<0.020	4.0	0.005
Methylene chloride	ND<0.020	4.0	0.005	4-Methyl-2-penta	none (MIBK)	ND<0.020	4.0	0.005
Naphthalene	ND<0.020	4.0	0.005	n-Propyl benzene	41	ND<0.020	4.0	0.005
Styrene	ND<0.020	4.0	0.005	1,1,1,2-Tetrachlor		ND<0.020	4.0	0.005
1,1,2,2-Tetrachloroethane Toluene	ND<0.020	4.0	0.005	Tetrachloroethene		ND<0.020	4.0	0.005
1.2.4-Trichlorobenzene	ND<0.020	4.0	0.005	1,2,3-Trichlorober		ND<0.020	4.0	0.005
1,2,4-1richlorobenzene 1,1,2-Trichloroethane	ND<0.020 ND<0.020	4.0	0.005	1,1,1-Trichloroeth Trichloroethene	lane	ND<0.020 ND<0.020	4.0	0.005
Trichlorofluoromethane	ND<0.020	4.0	0.005	1,2,3-Trichloropro	nane	ND<0.020	4.0	0.005
1.2.4-Trimethylbenzene	ND<0.020	4.0	0.005	1,3,5-Trimethylbe		ND<0.020	4.0	0.005
Vinvl Chloride	ND<0.020	4.0		Xvlenes		ND<0.020	4.0	0.005
				coveries (%)				
0/ 551.	0		san Rt	%SS2:		10	6	
%SS1: %SS3:		<u>6</u> )9		%000Z:		10	U	
%555: Comments:		,,		1				

\* 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.



McCampbell A "When Oua	Analytical, Ir	nc.		Web: www.mccam	Pass Road, Pittsburg, Ca pbell.com E-mail: mai 877-252-9262 Fax: 92	n@mccampbell.com		
GEOCON Env. Consultants		•	<b>)</b> : #E84	115-06-83;	Date Sampled:	11/10/09		
	Oakland	ICA			Date Received:	11/10/09		
6671 Brisa St	Client C	Contact:	John L	Love Date Extracted: 11/10/09				
Livermore, CA 94550	Client P				Date Analyzed			
			0 T					
	volatile Organ	•		d GC/MS (Basic T	arget List)*			
Extraction Method: SW5030B		Analyti	cal Metho	d: SW8260B		Work Order: 0911	235	
Lab ID					5-003A			
Client ID					-6'			
Matrix			Reporting	Se	bil			Reporting
Compound	Concentration *	DF	Limit	Compou	ind	Concentration *	DF	Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl o	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	Bromodichloromet	hane	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 (TH	BA)	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	Dibromochloromet		ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane		ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzer		ND	1.0	
1,3-Dichlorobenzene Dichlorodifluoromethane	ND ND	<u>1.0</u> 1.0	0.005	1,4-Dichlorobenzer		ND ND	<u>1.0</u> 1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.003	1,1-Dichloroethene		ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.004	trans-1,2-Dichloro		ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropa		ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloroprope		ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloro		ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	propene	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 eth	er (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005			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-Tetrachlor	oethane	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-Trichloroben	zene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroeth	ane	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-Trichloropro		ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylber	nzene	ND	1.0	0.005
Vinvl Chloride	ND	1.0	0.005	Xvlenes		ND	1.0	0.005
	1	Surro	ogate Re	coveries (%)		1		
%SS1:	9	5		%SS2:		10	)9	
%SS3:	11	2		I				

\* 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.



When Oua	Analytical, Ir	<u>nc.</u>		Web: www.mccam	Pass Road, Pittsburg, Ca pbell.com E-mail: mai 877-252-9262 Fax: 92	n@mccampbell.com		
GEOCON Env. Consultants			): #E84	115-06-83;	Date Sampled:	11/10/09		
	Oakland	ICA			Date Received:	11/10/09		
6671 Brisa St	Client C	Contact:	John L	ove	Date Extracted:	11/10/09		
Livermore, CA 94550	Client P	.0.:			Date Analyzed			
	Volatile Organ	ics hy P	&T and	d GC/MS (Basic T				
Extraction Method: SW5030B	volutile Organ	•		d: SW8260B	unger Elist)	Work Order: 0911	1235	
Lab ID				091123	5-004A			
Client ID				BE				
Matrix				S				
Compound	Concentration *	DF	Reporting Limit	Compou		Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl e	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	Bromodichloromet	hane	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 (TE	BA)	ND	1.0	0.05
n-Butvl 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	Dibromochloromet	hane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.003	1,2-Dibromoethane		ND	1.0	0.004
Dibromomethane	ND	1.0	0.004	1,2-Dichlorobenzer		ND	1.0	0.004
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzer		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	0.003	1,1-Dichloroethene		ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.004	trans-1,2-Dichloro		ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropa		ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloroproper		ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloro		ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	biopene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113		ND	1.0	0.005
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 etho	(MTDE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005			ND	1.0	0.005
				4-Methyl-2-pentan n-Propyl benzene	olle (MIDK)			
Naphthalene	ND	1.0	0.005	1,1,1,2-Tetrachlor	aethana	ND	1.0	0.005
Styrene	ND	1.0				ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene 1,2,3-Trichloroben		ND ND	1.0	0.005
Toluene 1,2,4-Trichlorobenzene	ND	1.0	0.005			ND ND	1.0	0.005
1,1,2-Trichloroethane	ND ND	1.0	0.005	1,1,1-Trichloroetha Trichloroethene	ane	ND ND	<u>1.0</u> 1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropro	<b>n</b> ana	ND ND	1.0	0.005
1,2,4-Trimethylbenzene		1.0	0.005					0.005
Vinvl Chloride	ND ND	1.0	0.005	1,3,5-Trimethylber Xvlenes	izene	ND ND	<u>1.0</u> 1.0	0.005
Y III YI CIIIOIIde	ND			coveries (%)		עא	1.0	0.005
			igate Ke					
%SS1:	89			%SS2:		10	)8	
%SS3:	11	1						

\* 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.

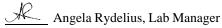
ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.



When Our "When Our	Analytical, In ality Counts"	<u>1C.</u>		Web: www.mccar	v Pass Road, Pittsburg, Ca npbell.com E-mail: mai : 877-252-9262 Fax: 92	n@mccampbell.com			
GEOCON Env. Consultants	Client H	Project II	<b>)</b> : #E84	15-06-83;	Date Sampled:	11/10/09			
	Oaklan	d CA			Date Received:	11/10/09			
6671 Brisa St	Client	Contact:	Iohn I						
Livermore, CA 94550			JOIIII L						
Livennoie, CA 94550	Client H	2.0.:			Date Analyzed	11/11/09			
	Volatile Organ	nics by H	P&T and	l GC/MS (Basic ]	Farget List)*				
Extraction Method: SW5030B		Analyt	ical Metho	d: SW8260B		Work Order: 0911	235		
Lab ID				091123	35-005A				
Client ID					-6'				
Matrix					oil				
Compound	Concentration *	DF	Reporting Limit	Compo	und	Concentration *	DF	Reportin 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	Bromodichlorome	thane	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 (T	BA)	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			10	0.005	
4-Chlorotoluene	ND<0.050	10	0.005	Dibromochlorome	omochloromethane		10	0.005	
1,2-Dibromo-3-chloropropane	ND<0.040	10	0.004	1,2-Dibromoethan	e (EDB)	ND<0.040	10	0.004	
Dibromomethane	ND<0.050	10	0.005	1,2-Dichlorobenze		ND<0.050	10	0.005	
1,3-Dichlorobenzene	ND<0.050	10	0.005	1,4-Dichlorobenze		ND<0.050	10	0.005	
Dichlorodifluoromethane	ND<0.050	10	0.005	1,1-Dichloroethan	e	ND<0.050	10	0.005	
1,2-Dichloroethane (1,2-DCA)	ND<0.040	10	0.004	1,1-Dichloroethen		ND<0.050	10	0.005	
cis-1,2-Dichloroethene	ND<0.050	10	0.005	trans-1,2-Dichloro		ND<0.050	10	0.005	
1,2-Dichloropropane	ND<0.050	10	0.005	1,3-Dichloropropa		ND<0.050	10	0.005	
2,2-Dichloropropane	ND<0.050	10	0.005	1,1-Dichloroprope		ND<0.050	10	0.005	
cis-1,3-Dichloropropene	ND<0.050	10	0.005	trans-1,3-Dichloro	propene	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 eth		ND<0.050	10	0.005	
Methylene chloride	ND<0.050	10	0.005	4-Methyl-2-pentar	none (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-Tetrachlor		ND<0.050	10	0.005	
1,1,2,2-Tetrachloroethane	ND<0.050	10	0.005	Tetrachloroethene		ND<0.050 ND<0.050	10	0.005	
Toluene 1.2.4-Trichlorobenzene	0.065	10	0.005	1,2,3-Trichlorober			10	0.005	
1,1,2-Trichloroethane	ND<0.050 ND<0.050	<u>10</u> 10	0.005	Trichloroethene	lane	ND<0.050 ND<0.050	<u>10</u> 10	0.005	
Trichlorofluoromethane	ND<0.050	10	0.005	1,2,3-Trichloropro	nane	ND<0.050	10	0.005	
1,2,4-Trimethylbenzene	0.69	10	0.005	1,3,5-Trimethylbe		0.16	10	0.005	
Vinvl Chloride	ND<0.050	10		Xvlenes		0.50	10	0.005	
				coveries (%)			10	. 0.00.	
0/ 551.	9		san Rt	%SS2:		10	14		
%SS1: %SS3:	10			%000Z:		1 10	/4		
%555: Comments:		15		<u>I</u>					

\* 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.

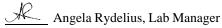
ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.



When Our "When Our	Analytical, In ality Counts"	<u>nc.</u>		Web: www.mccar	v Pass Road, Pittsburg, C. npbell.com E-mail: mai : 877-252-9262 Fax: 92	n@mccampbell.com		
GEOCON Env. Consultants	Client I	Project II	<b>)</b> : #E84	115-06-83;	Date Sampled:	11/10/09		
	Oaklan	d CA			Date Received:	11/10/09		
6671 Brisa St	Client	Contract	Iohn I	hn Love Date Extracted: 11/10/09				
Lineman CA 04550			JOHI L	love				
Livermore, CA 94550	Client H	2.0.:			Date Analyzed	11/11/09		
	Volatile Orga	nics by P	&T and	d GC/MS (Basic ]	Farget List)*			
Extraction Method: SW5030B	C	-		d: SW8260B	0	Work Order: 0911	235	
Lab ID		,			35-006A			
Client ID					e A,B,C,D			
Matrix					oil			
Compound	Concentration *	DF	Reporting Limit	Compo	-	Concentration *	DF	Reportin
	ND<0.20	4.0	0.05	tert-Amyl methyl		ND<0.020	4.0	Limit 0.005
Acetone Benzene	ND<0.020	4.0	0.005	Bromobenzene	emer (TAME)	ND<0.020	4.0	0.005
Bromochloromethane	ND<0.020	4.0	0.005	Bromodichlorome	thane	ND<0.020	4.0	0.005
Bromoform	ND<0.020	4.0	0.005	Bromomethane	inune	ND<0.020	4.0	0.005
2-Butanone (MEK)	ND<0.080	4.0	0.003	t-Butyl alcohol (T	BA)	ND<0.20	4.0	0.05
n-Butyl benzene	ND<0.020	4.0	0.005	sec-Butyl benzene	DIT)	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			4.0	0.005
Chloromethane	ND<0.020	4.0	0.005	2-Chlorotoluene			4.0	0.005
4-Chlorotoluene	ND<0.020	4.0	0.005		Dibromochloromethane		4.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.016	4.0	0.003		1.2-Dibromoethane (EDB)		4.0	0.004
Dibromomethane	ND<0.020	4.0	0.004	1,2-Dichlorobenze		ND<0.016 ND<0.020	4.0	0.005
1,3-Dichlorobenzene	ND<0.020	4.0	0.005	1,4-Dichlorobenze		ND<0.020	4.0	0.005
Dichlorodifluoromethane	ND<0.020	4.0	0.005	1,1-Dichloroethan		ND<0.020	4.0	0.00
1,2-Dichloroethane (1,2-DCA)	ND<0.016	4.0	0.003	1,1-Dichloroethen		ND<0.020	4.0	0.005
cis-1,2-Dichloroethene	ND<0.020	4.0	0.004	trans-1,2-Dichloro		ND<0.020	4.0	0.005
1,2-Dichloropropane	ND<0.020	4.0	0.005	1,3-Dichloropropa		ND<0.020	4.0	0.005
2,2-Dichloropropane	ND<0.020	4.0	0.005	1,1-Dichloroprope		ND<0.020	4.0	0.005
cis-1,3-Dichloropropene	ND<0.020	4.0	0.005	trans-1,3-Dichloro		ND<0.020	4.0	0.005
Diisopropyl ether (DIPE)	ND<0.020	4.0	0.005	Ethylbenzene	propene	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	0.00
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 eth	er (MTRF)	ND<0.020	4.0	0.005
Methylene chloride	ND<0.020	4.0	0.005	4-Methyl-2-pentar		ND<0.020	4.0	0.005
Naphthalene	0.15	4.0	0.005	n-Propyl benzene	ione (inibit)	ND<0.020	4.0	0.005
Styrene	ND<0.020	4.0	0.005	1,1,1,2-Tetrachlor	oethane	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-Trichlorober		ND<0.020	4.0	0.005
1,2,4-Trichlorobenzene	ND<0.020	4.0	0.005	1,1,1-Trichloroeth		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-Trichloropro	opane	ND<0.020	4.0	0.005
1,2,4-Trimethylbenzene	0.030	4.0	0.005	1,3,5-Trimethylbe		ND<0.020	4.0	0.005
Vinvl Chloride	ND<0.020	4.0		Xvlenes		ND<0.020	4.0	0.005
				coveries (%)				
%SS1:	9			%SS2:		10	)5	
%SS3:	10			/0002.		1 10		
Comments:		0						

\* 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.



"When Ouality	Counts"		Telephone: 8	77-252-9262 Fax: 92	5-252-9269		
GEOCON Env. Consultants		oject ID: #E8415	-06-83;	Date Sampled:	11/10/09		
	Oakland	CA		Date Received 11/10/09			
6671 Brisa St	Client Co	ontact: John Lov	e	Date Extracted	11/10/09		
Livermore, CA 94550	Client P.C		-	Date Analyzed			
Livermole, CA 94550				Date Analyzed	11/11/09		
	C	AM / CCR 17 Me	tals*				
Lab ID	0911235-001A	0911235-002A	0911235-003A	0911235-004A	Reporting Lir	mit for DF =1	
Client ID	BW-11'	N-6'	W-6'	BE-11'	ND means i	not detected	
Matrix	S	S	S	S	S	W	
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L	
	ICP-N	IS Metals, Conce	ntration*	•	<u>*</u>	<u> </u>	
Analytical Method: 6020A		action Method: SW30			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, prod	uat/ail/non aquaque	liquid complex and		DISTLC / SDL D over	e ata ana nama	rtad in	

# 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.

"When Ouality	Counts"		Teleph	one: 877-252-9262 F	ax: 925-252-9269		
GEOCON Env. Consultants		oject ID: #E8415	-06-83;	Date Sample	ampled: 11/10/09		
	Oakland	CA		Date Receiv	ate Received 11/10/09		
6671 Brisa St	Client Co	ontact: John Lov	e	Date Extract	ed 11/10/09		
Livermore, CA 94550	Client P.0		-		zed 11/11/09		
Livermole, CA 94550				Date Analyz	200 11/11/07		
	C	CAM / CCR 17 Me	tals*				
Lab ID	0911235-005A	0911235-006A			Reporting Li	nit for DF =	
Client ID	S-6'	Stockpile A.B.C.D			ND means above the re		
Matrix	S	S			S	W	
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L	
	ICP-N	AS Metals, Conce	ntration*			•	
Analytical Method: 6020A		action Method: SW305			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, proc	luct/oil/non-aqueous	liquid samples and	all TCLP / ST	LC / DISTLC / SPL	P extracts are repo	rted in	
ng/L, soil/sludge/solid samples in mg/kg,					1		

this sample or instrument.

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

	Campbell Analyt	ical, Inc.	Web: www.mccamp	Pass Road, Pittsbur bell.com E-mail 377-252-9262 Fa	: main@m	ccampbell.	com			
GEOCON Env.		Client Project ID:			ed: 11/10/09					
( <b>71</b> D : 0)		Oakland CA		Date Received: 11/10/09						
6671 Brisa St		Client Contact: J	Tohn Love Date Extracted: 11/							
Livermore, CA 9	94550	Client P.O.:	.: Date Analyzed 11/10/09-11/11/09							
Extraction method: SW			atile Hydrocarbons as G methods: SW8015Bm	asoline*	Wo	rk 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	ď7			
003A	W-6'	S	ND	ND						
004A	BE-11'	S	11		1	83	d7			
005A	S-6'	S	S 200		50	71	d7			
006A	Stockpile A,B,C,D	S	30		1	81	d7,d9			
	rting Limit for DF =1;	W	NA			NA	<u> </u>			
	eans not detected at or ve the reporting limit	S	1.0			mg/K	g			

\* 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

Angela Rydelius, Lab Manager

McC	Campbell Analyt	ical, Inc.	Web: www.mcca	ow Pass Road, Pittsburg, CA ampbell.com E-mail: main ne: 877-252-9262 Fax: 925					
GEOCON Env. C	onsultants	0	#E8415-06-83; Oaklar	nd Date Sampled:	11/10/	11/10/09			
6671 Brisa St		CA		Date Received:	11/10/	09			
		Client Contact:	John Love	Date Extracted:	11/10/	09			
Livermore, CA 94	550	Client P.O.:		Date Analyzed:	11/10/	09-11/1	1/09		
Extraction method: SW	73550C	Total Extractab Analytical me	w	ork 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 ND		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		
							<u> </u>		

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

\* water samples are reported in  $\mu$ g/L, wipe samples in  $\mu$ g/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  $\mu$ g/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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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 SM5520E/F

W.O. Sample Matrix: Soil			QC Matriz	k: Soil			Batch	ID: 47016		WorkC	35	
EPA Method SM5520E/F	520E/F Extraction SM5520E/F						S	piked San	nple ID:	: 0911223-0	004A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	1
, undry to	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 NONE	Blank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following o	exceptions:			

### 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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A QA/QC Officer



McCampbell Analytical, Inc. "When Ouality Counts"

# QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil			QC Matrix	k: Soil			Batch	ID: 47033		WorkC	Order: 09112	35
EPA Method SW8260B	Extra	ction SW	5030B					s	piked San	nple ID	: 0911235-0	03A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
Analyte	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

### 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.



QA/QC Officer



# McCampbell Analytical, Inc.

"When Ouality Counts"

# QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 0911235

EPA Method 6020A			Extrac	tion SW	3050B		BatchID	: 47014	Spik	ed Sample	ID:	0911223-00	4A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acc	eptanc	e Criteria (%	5)
Analyte	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

### BATCH 47014 SUMMARY

Lab ID	Date Sampled	Date Extracte	d Date Analyzed	Lab ID	Date Sampled	Date Extracte	ed 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.

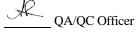
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

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.

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McCampbell Analytical, Inc.

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# QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil			QC Matriz	x: Soil			Batch	D: 47034		WorkC	Order 09112	35
EPA Method SW8021B/8015Bm	Extra	ction SW	5030B					5	Spiked San	nple ID	: 0911235-0	03A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
, mary to	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex <sup>£</sup>	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 B NONE	lank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following	exceptions:			

### 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).

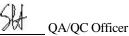
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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

 $\pounds$  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.





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 SW8015B

W.O. Sample Matrix: Soil			QC Matri	x: Soil			Batch	ID: 47029		WorkO	Order: 09112	35
EPA Method SW8015B	Extra	ction SW	3550C					s	piked San	nple ID:	: 0911229-0	06A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
Analyte	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 Metho NONE	od Blank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following o	exceptions:			

### 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.

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JR QA/QC Officer

	Analytical, Inc.	Web: www.mc	low Pass Road, Pittsburg, campbell.com E-mail: n one: 877-252-9262 Fax:	nain@mccampbell.com
GEOCON Env. Consultants	Client Project ID: #E-841	5-06-03; 29th/Bart	Date Sampled:	11/11/09
6671 Brisa St	Oakland		Date Received:	11/11/09
Livermore, CA 94550	Client Contact: John Lov	e	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.

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We Tel	ebsite: <u>www.m</u> ephone: (877	1534 WII PITTSBU ccampbel ) 252-92	LOW PA RG, CA 94 <u>l.com</u> En 62	SS RO 1565-1' nail: n	AD 701 nain@ Fax:	mee : (92	amj 25) 2	obel 252	l.com										01	JNI EDI	DT FG		E PD Ch	F	RUS If si	SH E	۲ 24 ccel	HR	) \	48 1 Wri	HR ite	J" flag	W) 📮	ired
Report To: JOH				Bill To	): E	>Ar	NE	5				_		+	_					A	Anal	ysis	Ree	ques	st	_		_	_	_	(	Other	Com	ments
	BRISA MORE, CA 900 15-06-83 OAKLA	ST ND, CF	J F F	ax: (	il: Lov 125) 3 :t Nar	71-	591	5					ANY	2	2 / 8021 + 8015) / MTBE	tMO	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	rbons (418.1)	FULL	PA 602 / 8021)	'esticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	icides)	Cl Herbicides)	0Cs)	VOCs)	AHs / PNAs)	020)	00.8 / 6010 / 6020)	/ 6020)			Filter Samp for N analy Yes /	oles Ietals /sis:
Sampler Signatur	. LINET		PLING		2		MA	TR	IX	T.	ME	TH	OD		Gas 602 /		& GI	droca	3 (8	LY (E	(CLP	3's Or	Pesti	Acidic	V) 093	270 (S	10 (P/	0.8/6	0.7/20	6010				
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water			Sludge	T	PRES				BTEX & TPH as Ga	TPH as Diesel (8015)	Total Petroleum Oil	Total Petroleum Hydrocarbons (418.1)	EPA 8260 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCI	EPA 507 / 8141 (NP Pesticides)	EPA S15.3 / 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)	0			
BEE-9		11-11-09	1130	1	45L					t					X	X	X		X									Х			$\vdash$			
EEE-6		1	1143	1	1					T					X	X	X		X									X						
TAR HALEESS		5	1151	(	5					t			1	Ť	X	X	X		X									X						
EEN-6		6	1158	1	1					t	1	1	1	1	X	V	X		X									X						
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Relinquished By:		Date:	Time:	Rece	ived B	y:									AP	PRO	PRI	ATE		NTA	INE	RS_	$\checkmark$	_										
Relinquished By:		Date:	Time:	Rece	ived B	y:								-	PR	ESE	RVE	DIN	V LA	B														
															PR	ESE	RVA	TIO		OAS	0	&G	MI pH-		LS	OT	HER							

# McCampbell Analytical, Inc.



1534 Willow Pass Rd Pitteburg CA 94565-1701

# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 252-9262				WorkO	order: 0911277	Client	Code: GECL		
	WaterTrax	WriteOn	EDF	Excel	Fax	🖌 Email	HardCopy	ThirdParty	J-flag
Report to:				В	Bill to:		Rec	uested TAT:	5 days
John Love GEOCON Env. Consultants 6671 Brisa St	Email: I cc: PO:	ove@geoconinc.	.com; Livermore	@geoc	Accounts Pay GEOCON En 6671 Brisa S	v. Consultants	Dat	te Received:	11/11/2009
Livermore, CA 94550 925-371-5900 FAX 925-371-5915	ProjectNo: #	#E-8415-06-03; 2	29th/Bart Oaklan	d	Livermore, C	A 94550	Dat	te Printed:	11/11/2009
						Requested Test	s (See legend b	pelow)	

Lab ID	Client ID	Matrix	Collection Date Ho	d 1	2	3	4	5	6	7	8	9	10	11	12
			T		1		1	1	T	1	1		r		
0911277-001	BEE-9	Soil	11/11/2009 11:30	A	Α	Α	A								
0911277-002	EEE-6	Soil	11/11/2009 11:43	Α	Α	А	Α								
0911277-003	EES-5	Soil	11/11/2009 11:51	Α	Α	А	Α								
0911277-004	EEN-6	Soil	11/11/2009 11:58	A	А	А	Α								

### Test Legend:

1	5520E_SG_S	2	8260B_S
6		7	
11		12	

3	CAM17MS_S
8	

4	G-MBTEX_S
9	

5	
10	

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.



# McCampbell Analytical, Inc. "When Ouality Counts"

# Sample Receipt Checklist

Client Name:	GEOCON Env. Co	onsultants			Date a	and Time Received:	11/11/2009	1:51:57 PM
Project Name:	#E-8415-06-03; 2	9th/Bart Oakland	I		Check	dist completed and re	eviewed by:	Melissa Valles
WorkOrder N°:	0911277	Matrix <u>Soil</u>			Carrie	r: <u>Client Drop-In</u>		
		<u>Chai</u>	n of Cu	stody (C	OC) Informa	ation		
Chain of custody	present?		Yes	$\checkmark$	No 🗆			
Chain of custody	signed when relinqui	shed 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 Cl	ient on COC?	Yes	✓	No 🗆			
Sampler's name r	noted on COC?		Yes	✓	No 🗆			
		S	Sample	Receipt	Information	1		
Custody seals int	tact on shipping conta	iner/cooler?	Yes		No 🗆		NA 🔽	
Shipping containe	er/cooler in good conc	lition?	Yes	✓	No 🗆			
Samples in prope	er containers/bottles?		Yes	✓	No 🗆			
Sample containe	rs intact?		Yes	✓	No 🗆			
Sufficient sample	volume for indicated	test?	Yes	✓	No 🗌			
		Sample Prese	ervation	n and Ho	old Time (HT)	) Information		
All samples recei	ved within holding tim	e?	Yes	✓	No 🗌			
Container/Temp E	Blank temperature		Coole	er Temp:	17.6°C		NA 🗆	
Water - VOA vial	ls have zero headspa	ce / no bubbles?	Yes		No 🗆	No VOA vials submi	itted 🗹	
Sample labels ch	necked for correct pre	servation?	Yes	✓	No 🗌			
Metal - pH accep	table upon receipt (p⊦	1<2)?	Yes		No 🗆		NA 🗹	
Samples Receive	ed on Ice?		Yes	✓	No 🗆			
		(Ice Ty	be: BLL	JE ICE	)			
* NOTE: If the "N	lo" box is checked, s	ee comments below.						

Client contacted:

Date contacted:

Contacted by:

Comments:

McCa	ampbell Analy "When Quality Counts		Web: www.mccar	Pass Road, Pitt npbell.com E- : 877-252-9262	mail: main	@mccampbe			
GEOCON Env. Co	nsultants		29th/Bart Oakland			Date Sampled: 11/11/09 Date Received: 11/11/09			
6671 Brisa St		Client Contact:	John Love	Date Extr	racted:	11/11/09			
Livermore, CA 945	50	Client P.O.:	Client P.O.:			11/13/09			
Extraction method SM552			e with Silica Gel Clean-	U <b>p*</b>		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;	W	NA	NA
ND means not detected at or above the reporting limit	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

When Our	Analytical, In ality Counts"	<u>nc.</u>		Web: www.mccam	Pass Road, Pittsburg, CA pbell.com E-mail: mai 877-252-9262 Fax: 92	n@mccampbell.com			
GEOCON Env. Consultants	Client F	roject ID	): #E-8	415-06-03;	Date Sampled: 11/11/09				
	29th/Ba	ırt Oakla	nd		11/11/09				
6671 Brisa St	Client	Contact:	John I	OVe	Date Extracted:				
Livermore, CA 94550			JOINTL						
	Client P				Date Analyzed	11/11/09			
	Volatile Orgar	nics by P	&T and	d GC/MS (Basic T	arget List)*				
Extraction Method: SW5030B		Analyti	cal Metho	d: SW8260B		Work Order: 0911	277		
Lab ID				091127	7-001A				
Client ID				BE					
Matrix			Description	So	pil			Description	
Compound	Concentration *	DF	Reporting Limit	Compou	nd	Concentration *	DF	Reportin Limit	
Acetone	ND	1.0	0.05	tert-Amyl methyl e	ther (TAME)	ND	1.0	0.005	
Benzene	ND	1.0	0.005	Bromobenzene		ND	1.0	0.005	
Bromochloromethane	ND	1.0	0.005	Bromodichloromet	hane	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 (TE	BA)	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	Dibromochloromet		ND	1.0	0.005	
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane		ND	1.0	0.004	
Dibromomethane	ND	<u>1.0</u> 1.0	0.005	1,2-Dichlorobenzer		ND ND	<u>1.0</u> 1.0	0.005	
1,3-Dichlorobenzene Dichlorodifluoromethane	ND ND	1.0	0.005	1,4-Dichlorobenzer		ND ND	1.0	0.005	
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.003	1,1-Dichloroethene		ND	1.0	0.005	
cis-1,2-Dichloroethene	ND	1.0	0.004	trans-1,2-Dichloroe		ND	1.0	0.005	
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropa		ND	1.0	0.005	
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloroproper		ND	1.0	0.005	
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloro		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 ethe	er (MTBE)	ND	1.0	0.005	
Methylene chloride	ND	1.0	0.005			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-Tetrachloro	oethane	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-Trichloroben		ND	1.0	0.005	
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroetha	ane	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-Trichloropro		ND	1.0	0.005	
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylber	izene	ND	1.0	0.005	
Vinvl Chloride	ND	1.0	0.005	Xvlenes		ND	1.0	0.005	
			ogate Re	coveries (%)					
%SS1:	94			%SS2:		10	)9		
%SS3:	10	6							

\* 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.

when Oua	alitv Counts"	<u>ıc.</u>			pbell.com E-mail: main 877-252-9262 Fax: 92	-		
GEOCON Env. Consultants	Client P	roject II	): #E-8	415-06-03;	Date Sampled:	11/11/09		
	29th/Ba	ırt Oakla	nd		11/11/09			
6671 Brisa St	John L		Date Extracted:					
Line CA 04550			JOHN L	love				
Livermore, CA 94550	Client P	2.0.:			Date Analyzed	11/12/09		
	Volatile Organ	nics by P	&T and	d GC/MS (Basic T	arget List)*			
Extraction Method: SW5030B	0	Analvti	cal Metho	d: SW8260B	0	Work Order: 0911	277	
Lab ID				091127	7 002 4			
Client ID				EEI				
Matrix				Sc				
Compound	Concentration *	DF	Reporting Limit	Compou	nd	Concentration *	DF	Reportin Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl e	ther (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene		ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromet	hane	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 (TB	SA)	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	Dibromochloromet		ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane		ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzer		ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzer		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-Dichloroe		ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropar		ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloroproper		ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichlorop	propene	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	<u>1.0</u> 1.0	0.005	Hexachloroethane		ND	1.0	0.005
2-Hexanone	ND		0.005	Isopropylbenzene	(MTDE)	ND ND	1.0	0.005
4-Isopropyl toluene Methylene chloride	ND ND	<u>1.0</u> 1.0	0.005	Methyl-t-butyl ethe 4-Methyl-2-pentan		ND ND	<u>1.0</u> 1.0	0.005
	ND ND	1.0	0.005			ND ND	1.0	0.005
Naphthalene Styrene	ND ND	1.0	0.005	n-Propyl benzene 1,1,1,2-Tetrachloro	athana	ND 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-Trichloroben	zene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroetha		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-Trichloropro	pane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylben		ND	1.0	0.005
Vinvl Chloride	ND	1.0	0.005	Xvlenes		ND	1.0	0.005
				coveries (%)				
%SS1:	94		-	%SS2:		11	1	
%SS3:	10			///////////////////////////////////////			*	
Comments:	10	2		1				

\* 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.

When Our	Analytical, In lity Counts"	<u>nc.</u>		Web: www.mccar	Pass Road, Pittsburg, C. npbell.com E-mail: mai : 877-252-9262 Fax: 92	n@mccampbell.com		
GEOCON Env. Consultants	Client I	Project II	D: #E-8	415-06-03;	11/11/09			
	29th/Ba	art Oakla	und	Date Received: 11/11/09				
6671 Brisa St Client Contact: Jo				ove	Date Extracted:	11/11/09		
Livermore, CA 94550			John L					
Livermore, err 94550	Client I	2.0.:			Date Analyzed	11/13/09		
	Volatile Orga	nics by F	P&T and	d GC/MS (Basic ]	Farget List)*			
Extraction Method: SW5030B		Analyt	ical Metho	d: SW8260B		Work Order: 0911	277	
Lab ID				09112	77-003A			
Client ID				EF	ES-5			
Matrix				S	oil			
Compound	Concentration *	DF	Reporting Limit	Compo	und	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	Bromodichlorome	thane	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 (T	BA)	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-Dibromoethan		ND<0.016	4.0	0.004
Dibromomethane	ND<0.020	4.0	0.005	1,2-Dichlorobenze		ND<0.020	4.0	0.005
1,3-Dichlorobenzene	ND<0.020	4.0	0.005	1,4-Dichlorobenze		ND<0.020	4.0	0.005
Dichlorodifluoromethane	ND<0.020	4.0	0.005	1,1-Dichloroethan		ND<0.020	4.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.016	4.0	0.004	1,1-Dichloroethen		ND<0.020	4.0	0.005
cis-1,2-Dichloroethene	ND<0.020	4.0	0.005	trans-1,2-Dichloro		ND<0.020	4.0	0.005
1,2-Dichloropropane	ND<0.020	4.0	0.005	1,3-Dichloropropa		ND<0.020	4.0	0.005
2,2-Dichloropropane	ND<0.020	4.0	0.005	1,1-Dichloroprope		ND<0.020	4.0	0.005
cis-1,3-Dichloropropene	ND<0.020	4.0	0.005	trans-1,3-Dichloro	propene	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 eth		ND<0.020	4.0	0.005
Methylene chloride	ND<0.020	4.0	0.005	4-Methyl-2-pentar	IONE (WIDK)	ND<0.020	4.0	0.005
Naphthalene Styrene	ND<0.020 ND<0.020	4.0	0.005	n-Propyl benzene 1,1,1,2-Tetrachlor	oethane	ND<0.020 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-Trichlorober		ND<0.020	4.0	0.005
1,2,4-Trichlorobenzene	ND<0.020	4.0	0.005	1.1.1-Trichloroeth		ND<0.020	4.0	0.005
1.1.2-Trichloroethane	ND<0.020	4.0	0.005	Trichloroethene	luno	ND<0.020	4.0	0.005
Trichlorofluoromethane	ND<0.020	4.0	0.005	1,2,3-Trichloropro	opane	ND<0.020	4.0	0.005
1.2.4-Trimethylbenzene	0.039	4.0	0.005	1.3.5-Trimethylbe		0.032	4.0	0.005
Vinvl Chloride	ND<0.020	4.0		Xvlenes	-	ND<0.020	4.0	0.005
				coveries (%)				
%SS1:	8			%SS2:		90	6	
%SS3:		/ )7		/00021			~	

### 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.

With Market Mark	Analytical, In ality Counts"	<u>ıc.</u>		Web: www.mccam	Pass Road, Pittsburg, CA pbell.com E-mail: mai: 877-252-9262 Fax: 92	n@mccampbell.com		
GEOCON Env. Consultants	Client F	roject ID	): #E-8	415-06-03;	Date Sampled: 11/11/09			
	29th/Ba	ırt Oakla	nd		11/11/09			
6671 Brisa St	Climat	7	T. 1 T					
	Client	Contact:	John L	love	Date Extracted:	11/11/09		
Livermore, CA 94550	Client P	2.0.:			Date Analyzed	11/13/09		
	Volatile Organ	nics by P	&T and	d GC/MS (Basic T	'arget List)*			
Extraction Method: SW5030B	8.	·		d: SW8260B		Work Order: 0911	1277	
		7 mary a			7.0044	Work Order. 0711		
Lab ID Client ID					7-004A N-6			
Matrix				So				
Compound	Concentration *	DF	Reporting Limit	Compou	-	Concentration *	DF	Reportin Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl e	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	Bromodichloromet	hane	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 (TH	BA)	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	Dibromochloromet	hane	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-Dichlorobenzei	ne	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzei	ne	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	e	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-Dichloro		ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropa		ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloroprope		ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloro	propene	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 eth		ND	1.0	0.005
Methylene chloride	ND	1.0	0.005		one (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	.1	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachlor		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-Trichloroben		ND ND	1.0	0.005
1,2,4-Trichlorobenzene 1,1,2-Trichloroethane	ND ND	<u>1.0</u> 1.0	0.005	1,1,1-Trichloroeth Trichloroethene	ane	ND ND	<u>1.0</u> 1.0	0.005
Trichlorofluoromethane	ND ND	1.0	0.005	1,2,3-Trichloropro	nane	ND ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylber		ND	1.0	0.005
Vinvl Chloride	ND	1.0	0.005	Xvlenes		ND ND	1.0	0.005
· mvi Cillonde				coveries (%)			1.0	10.005
0/ 551.	0		gait Mt			1.1	17	
%SS1: %SS3:	93			%SS2:		11	. /	
%SS3: Comments:	I II	4		1				

\* 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.

"When Ouality	Counts"		Telephone: 877-252-9262 Fax: 925-252-9269						
GEOCON Env. Consultants		oject ID: #E-8415	5-06-03;	Date Sampled: 11/11/09					
	29th/Bart	Oakland		Date Received	11/11/09				
6671 Brisa St	Client Co	ontact: John Lov	0	Date Extracted	11/11/00				
			C						
Livermore, CA 94550	Client P.C	).:		Date Analyzed	11/12/09				
	С	AM / CCR 17 Me	tals*						
Lab ID	0911277-001A	0911277-002A	0911277-003A	0911277-004A	Reporting Lin	nit for DF =1			
Client ID	BEE-9	EEE-6	EES-5	EEN-6	ND means				
Matrix	S	S	S	S	S	W			
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L			
<u> </u>	ICP-M	IS Metals, Conce	ntration*	·					
Analytical Method: 6020A	Extr	action Method: SW30	50B		Work Order:	0911277			
Dilution Factor	1	1	1	1	1	1			
Antimony	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 $\mu$ g/L, prod	. / .1/								

# 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.

	Campbell Analyti	cal, Inc.	Web: www.mccamp	Pass Road, Pittsbur bell.com E-mail 377-252-9262 Fa	: main@m	ccampbell.	com				
GEOCON Env. C		Client Project ID:	#E-8415-06-03;	Date Sample							
6671 Brisa St		29th/Bart Oakland	L	Date Received: 11/11/09							
		Client Contact: Jo	ohn Love	Date Extracted: 11/11/09							
Livermore, CA 94	1550	Client P.O.:	ient P.O.: Date Analyzed 11/12/09								
Extraction method SW5		-	atile Hydrocarbons as G	Sasoline* Work Order: 0911277							
Lab ID	Client ID	Matrix	TPH(g)		DF	% SS	Comments				
001A	BEE-9	BEE-9 S ND 1									
002A	EEE-6	S	ND		1	98					
003A	EES-5	S	71		50	96	ď7				
004A	EEN-6	S	ND		1	96					
-	ing Limit for DF =1;	W	NA		NA						
	ans not detected at or e the reporting limit	S	1.0			mg/K	5				

\* 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

	<b>The second seco</b>		Web: www.	Villow Pass Road, Pittsburg, CA mccampbell.com E-mail: main@ phone: 877-252-9262 Fax: 925						
GEOCON Env. Cor	nsultants		: #E-8415-06-03;	Date Sampled:	11/11/	09				
6671 Brisa St		29th/Bart Oaklar	nd	Date Received:	11/11/	09				
0071 Blisa St		Client Contact:	John Love	Date Extracted:	11/11/09					
Livermore, CA 9455	50	Client P.O.:		Date Analyzed: 11/11/						
		Total Extracta	ble Petroleum Hydro							
Extraction method: SW35	550C	Analytical n	nethods: SW8015B		W	ork Order:	0911277			
Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF % SS Co					
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 $DF = 1$ ;	W	NA	NA	ug/L
ND means not detected at or above the reporting limit	S	1.0	5.0	mg/Kg

\* water samples are reported in  $\mu$ g/L, wipe samples in  $\mu$ g/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / STLC / STLC / TCLP extracts are reported in  $\mu$ g/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





"When Ouality Counts"

# QC SUMMARY REPORT FOR SM5520E/F

W.O. Sample Matrix: Soil			QC Matri	x: Soil			Batch	ID: 47016	WorkOrder 0911277			
EPA Method SM5520E/F	EPA Method SM5520E/F Extraction SM5520E/F										: 0911223-0	)04A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	)
, indigite	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 NONE	Blank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following	exceptions:			

#### 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.

A QA/QC Officer



"When Ouality Counts"

# QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil	W.O. Sample Matrix: Soil QC Matrix: Soil									WorkOrder 0911277		
EPA Method SW8015B				Spiked Sample ID: 0911225-009A								
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
, undry to	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 Metho NONE	od Blank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following	exceptions:			

### 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.

A QA/QC Officer



"When Ouality Counts"

# QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil			QC Matrix	x: Soil			BatchID: 47048 WorkOrder: 091127					
EPA Method SW8260B	Extra	ction SW	5030B					s	Spiked San	nple ID: 0911252-004A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	1
Analyte	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

#### 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.

A QA/QC Officer



"When Ouality Counts"

# QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder 0911277

EPA Method 6020A	T	T	Extrac	tion SW3	5020B		BatchID	: 47064	Spik	ed Sample	U:	0911277-00	4A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acc	eptanc	e Criteria (%	5)
	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

#### BATCH 47064 SUMMARY

Lab ID	Date Sampled	Date Extracte	ed Date Analyzed	Lab ID	Date Sampled	Date Extracte	ed 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

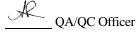
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% 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.



"When Ouality Counts"

# QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil		(	QC Matrix	c: Soil			Batch	ID: 47047		WorkOrder: 0911277		
EPA Method SW8021B/8015Bm	Extrac	tion SW	5030B					5	piked San	nple ID	: 0911252-0	03A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD LCS-LCSD Acceptance Criteria (%)					
Analyte	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex <sup>f</sup>	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 B NONE	lank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following o	exceptions:			

#### 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).

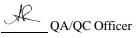
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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



	Analytical, Inc.	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	Date Sampled:	11/10/09			
6671 Brisa St	CA		Date Received:	11/10/09			
Livermore, CA 94550	Client Contact: John Lov	e	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.

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tention to	x		Phone No.:				Purchas	e Orde	er No.:					Invoice	to: (If	Differen		,						Phone:		
anamy No	m Lok			371-5			Project	No. / 1	Name:					Compa	ny:	0	san	<u> </u>								
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	110.00	N-6'	1	11:02		5		×		Y	×	×					X					1	1	-		
		W-6'		11:06		5		×		×	X	×					X									
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1534 Willow Pass Rd

# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 25	g, CA 94565-1701 52-9262				١	VorkOr	der: 09112	23 A	Clie	entCode:	GECL				
		WaterTrax	WriteO	n 🗌 EDF		Excel	Fax	6	🖊 Email	Har	dCopy	🗌 Thi	rdParty	□ J-	flag
Report to:						В	sill to:				Ree	questeo	d TAT:		1 day
John Love GEOCON E 6671 Brisa S Livermore, C (925) 371-590	CA 94550	Email: love cc: PO: ProjectNo: #E8	-	nc.com; Livermoi Oakland CA	re@ge	eoc	GEOCO 6671 Bri		onsultants		Da	te Rec te Add te Prii		11/20	)/2009 )/2009 )/2009
								Requ	ested Tes	sts (See le	egend b	elow)			
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2 3	4	5	6 7	8	9	10	11	12
0911235-001	BW-11'		Soil	11/10/2009 10:57		А									
0911235-002	N-6'		Soil	11/10/2009 11:02		А									

А

А А

11/10/2009 11:06

11/10/2009 11:13

11/10/2009 11:15

#### Test Legend:

0911235-003

0911235-004

0911235-005

1	8270D-PNA_S
6	
11	

2	
7	
12	

Soil

Soil

Soil

3	
8	

4	
9	

5	
10	

Prepared by: Maria Venegas

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

W-6'

BE-11'

S-6'

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.

When Ouality		lnc.	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		Project ID:	#E8415-06-83; Date Sampled: 11/10/09							
		nd CA		-						
6671 Brisa St					Date Received:	11/10/09				
	Client	Contact: Jo	hn Lov	e	Date Extracted:	11/20/09				
Livermore, CA 94550	P.O.:			Date Analyzed:	11/20/09-1	1/23/09				
Polynuclear A	romatic Hydro	ocarbons (PA	Hs / Pl	NAs) using SIM 1	Mode by GC/MS*	:				
Extraction Method: SW3550C	-	Analytical Method		_		Work Order:	0911235			
Lab ID	0911235-001/			0911235-003A	0911235-004A					
Client ID	BW-11'	N-6	5'	W-6'	BE-11'	Reporting Limit fo DF =1				
Matrix	S	S		S	S					
DF	1	50		1	1	S	W			
Compound			Conce	1	mg/kg	ug/L				
Acenaphthene	ND	ND<0	25	ND	ND	0.005	NA			
Acenaphthylene	ND			ND	ND	0.005	NA			
Anthracene		ND ND<0		ND	ND	0.005	NA			
Benzo(a)anthracene	ND	ND ND<0		ND	ND	0.005	NA			
Benzo(a)pyrene	ND	ND<0		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			
	Su	rrogate Rec	overies	s (%)						
%SS1	86	#	ŧ	85	85					
%SS2	80	129	)	80	80					
Comments										

\* water samples in  $\mu g/L$ , soil/sludge/solid samples in mg/kg, wipe samples in  $\mu g/wipe$ , 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.



McCampbell An "When Ouality"		cal, Inc.			Web: www.mccamp	Pass Road, Pittsburg, CA bell.com E-mail: main 377-252-9262 Fax: 925	@mccampbell.c	om			
GEOCON Env. Consultants		Client Project	ID: #E8	8415	-06-83;	11/10/09					
		Oakland CA				Date Received: 11/10/09					
6671 Brisa St		Client Contact	t: John	Lov	11/20/09						
Livermore, CA 94550		Client P.O.:				Date Analyzed:	11/20/09-1	1/23/09			
		s (PAHs	s/PN	JAs) using SIM							
Extraction Method: \$W3550C         Analytical Method: \$W8270C         Work Order:         0911235											
Lab ID	09112	35-005A									
Client ID		8-6'					Reporting DF				
Matrix		S					1				
DF		50					S	W			
Compound		C	once	entration		mg/kg	ug/L				
Acenaphthene		0.30					0.005	NA			
Acenaphthylene	ND	0<0.25					0.005	NA			
Anthracene	ND	0<0.25					0.005	NA			
Benzo(a)anthracene	ND	0<0.25					0.005	NA			
Benzo(a)pyrene	ND	0<0.25					0.005	NA			
Benzo(b)fluoranthene	ND	0<0.25					0.005	NA			
Benzo(g,h,i)perylene	ND	0<0.25					0.005	NA			
Benzo(k)fluoranthene	ND	0<0.25					0.005	NA			
Chrysene	ND	0<0.25					0.005	NA			
Dibenzo(a,h)anthracene	ND	0<0.25					0.005	NA			
Fluoranthene	ND	0<0.25					0.005	NA			
Fluorene		2.3					0.005	NA			
Indeno (1,2,3-cd) pyrene	ND	0<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<0.25					0.005	NA			
		Surrogate	Recove	eries	s (%)						
%SS1		#									
%SS2#											
Comments											
* water samples in µg/L, soil/sludge/solid	samples	in mg/kg, wipe sa	mples in u	µg/wi	pe, product/oil/non	-aqueous liquid samp	les and all T(	CLP &			

\* water samples in  $\mu g/L$ , soil/sludge/solid samples in mg/kg, wipe samples in  $\mu g/$ 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



"When Ouality Counts"

# **QC SUMMARY REPORT FOR SW8270C**

W.O. Sample Matrix: Soil			QC Matrix	c: Soil			Batch	ID: 47230		WorkC	Order: 09112	35
EPA Method SW8270C	Extra	ction SW	3550C					5	Spiked San	nple ID	: 0911277-0	04A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)	
Analyte	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 NONE	Blank of this	extraction	batch we	re ND les	s than the	method R	L with th	e following	exceptions:			

#### 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.

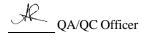
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

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.



McCampbell A	Analytical, Inc.	Web: www.mc	ow Pass Road, Pittsburg, campbell.com E-mail: m one: 877-252-9262 Fax:	ain@mccampbell.com
GEOCON Env. Consultants	Client Project ID: #E-841	5-06-03; 29th/Bart	Date Sampled:	11/11/09
6671 Brisa St	Oakland		Date Received:	11/11/09
Livermore, CA 94550	Client Contact: John Lov	e	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.

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	lcCAMP ebsite: <u>www.m</u> lephone: (877	1534 WI PITTSBU	RG, CA 9	4565-1	AD 701	me	cam	pbel	l.con				C.			RN	A	RO	UI	ND	TI	ME	e PD	F	RU	SH E	24 xcei			⊊ 48 Wr	HR ite	On (		₩ 5 DAY V) Ω s required
Report To: JOH	IN LOVE			Bill T	0: <	SA	m	5												An	aly	sis l									-	Other	-	Comments
Company: GEC 6671	000N CON BRISA MORE, CA 1900 15-06-83 OAKLA	SULTA ST 3	1 1	E-Ma Fax: ( Projec	125) 3	\$71-	591	5					ND	THE PART A SALEN A PART	381W/(CI09 + 1709/70	Chil	I OTAL & CLOREUM ON & OFERSE (1004 / 2049 FURAL)	arbons (413,1)	+ ULL	EPA 602 / 8021)	resticates)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	ticides)	c Cl Herbicides)	V0Cs)	svocs)	AHs / PNAs)	6020)	LUFT S Metals (200.7 / 200.8 / 6010 / 6020)	0 / 6020)	the roloch halobe			Filter Samples for Metals analysis: Yes / No
			PLING		ers	Γ	MA	TR	IX	T,	ME				al sea	1 6 10		ydroc	(8)	O ATD	2	B's0	P Pes	(Acidi	1092	270 6	310 (1	00.8/	0.77	1691	1			
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Water	Soil	Air	Sludge		HCI			- nat	TPU	Comparison of the Comparison o	LOCAL L CELOICUM U	101al Fetroleum Hydrocarbons (418.1)	PLA 200 (HADAS) FULL	MITBE / BTEX ONLY (EPA 602 / 8021)	Ert'A 2020 006 / 8061 (U. Pesticides)	EPA 608 / 8082 PC	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 Metuls (200.8 / 6020)	LUFT 5 Metals (20	Lead (200,7 / 200.8 / 6010 / 6020)	8270 Part			
BEE-9		11-11-09	1130	1	452	T				t		T	-	1	XX	X	2	3	<		1							X	1	T	X		1	
and the second design of the s		1	1143	1	17					T		T		1x	()	1	(	>	1									X	-	1	Ø			ange en præste prositioner stø
EEE-6 ZERETHE		5	1151	(	5					T		1		Ď	(X	X	1	)	1		1							X	1		8			
EEN-6		-	1158	1	6			_						X				>	(								-140.0-0	X			8			
Relinquished By:		Date:	Time:	Rece	ived B	y:			/	1	1	-	-		CE/r					V		-	-						CO	MM	ENT	S:	-	
(HESS MELL Relinquished By:	LIT	11-11-09 Date:	132% Time:	Rece	ived B	y:	1C	Z	(	0		2	T	H D A	PPR	OPF	ACE RIN/ RIAT	AB	D IN	LAP		- - V	1											
Relinquished By:		Date:	Time:	Rece	ived B	y:									RES			,		LS (	0&0		ME H<		s	OTI	IER							



1534 Willow Pass Rd Pittsburg CA 94565-1701

# CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 252-9262				WorkOrd	ler: 091127	A Clien	ntCode: GECL		
	WaterTrax	WriteOn	EDF	Excel	Fax	🖌 Email	HardCopy	ThirdParty	J-flag
Report to:				Bi	ill to:		Red	quested TAT:	5 days
John Love GEOCON Env. Consultants 6671 Brisa St	Email: love cc: PO:	e@geoconinc.o	com; Livermo	re@geoc	Accounts P GEOCON E 6671 Brisa	Env. Consultants		te Received: te Add-On:	11/11/2009 11/20/2009
Livermore, CA 94550 (925) 371-5900 FAX 925-371-5915	ProjectNo: #E-	8415-06-03; 29	9th/Bart Oakl	and	Livermore,	CA 94550	Da	te Printed:	11/20/2009

								Req	uested	Tests (	See leg	gend be	elow)			
Lab ID	Client ID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0911277-001	BEE-9	Soil	11/11/2009 11:30		А											
0911277-002	EEE-6	Soil	11/11/2009 11:43		А											
0911277-003	EES-5	Soil	11/11/2009 11:51		А											
0911277-004	EEN-6	Soil	11/11/2009 11:58		А											

#### Test Legend:

1	8270D-PNA_S
6	
11	

2	
7	
12	

3	
8	

4	
9	
3	

5	
10	

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.

When Ouality		<u>IC.</u>		Web: www.mccamp		@mccampbell.c 5-252-9269	om		
GEOCON Env. Consultants	Client I	Project ID: #1	E-8415			11/11/09			
6671 Brisa St	29th/Ba	art Oakland			Date Received: 11/11/09				
0071 Diisa St	Client (	Contact: Joh	n Love	e	Date Extracted: 11/20/09				
Livermore, CA 94550	Client H	Client P.O.: Date Analyzed							
Polynuclear A	romatic Hydroc	arbons (PAH	Is / PN	(As) using SIM 1	Mode by GC/MS*	:			
Extraction Method: SW3550C	-	alytical Method:		_	0	Work Order:	0911277		
Lab ID	0911277-001A	0911277-0	002A	0911277-003A	0911277-004A				
Client ID	BEE-9	EEE-6	;	EES-5	EEN-6	Reporting DF			
Matrix	S	S		S	S		-1		
DF	1	1		50	1	S	W		
Compound		l	Conce	ntration		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		
	Sur	rogate Reco	veries	(%)					
%SS1	80	85		#	82				
%SS2	76	80		#	80				
Comments									

\* water samples in  $\mu g/L$ , soil/sludge/solid samples in mg/kg, wipe samples in  $\mu g/wipe$ , 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.

Angela Rydelius, Lab Manager



"When Ouality Counts"

# QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Soil	QC Matrix: Soil				Batch	ID: 47230	WorkOrder 0911277							
EPA Method SW8270C	Extra	ction SW	3550C				Spiked Sample ID: 0911277-004A							
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	eptance	Criteria (%)			
Analyte	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		
%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       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.

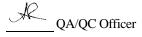
% Recovery = 100 \* (MS-Sample) / (Amount Spiked); RPD = 100 \* (MS - MSD) / ((MS + MSD) / 2).

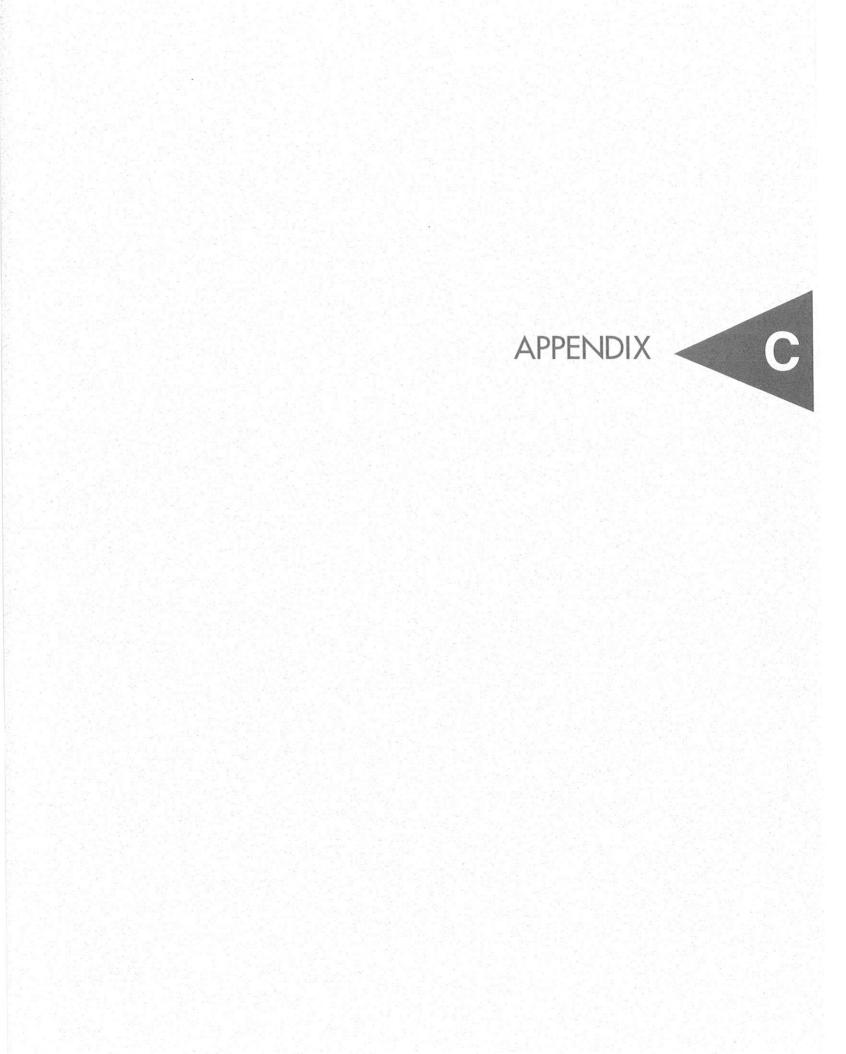
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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





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					2. Page 1 d	of 3. Emerg	ency Response	e Phone	4. Manifest	Tracking Num	ber	11	
				-				(if different t	han mailing addre	2132	1235	11	
Control Protect         USE EPAD Number           1: Instructure 2 Company Name         USE EPAD Number           1: Instructure 2 Company Name         USE EPAD Number           1: Instructure 2 Company Name         USE EPAD Number           2: Instructure 2 Company Name         USE EPAD Number           3: Instructure 2 Company Name         USE EPAD Number           4: Instructure 2 Company Name         USE EPAD Number           6: Resting Andre Company Name         USE EPAD Number           7: Instructure 2 Company Name         USE EPAD Number           8: NUS DD Decreton Instructure Name Name Name Name Name Observe         1: The Instructure 2 Number Observe           1: The Instructure 2 Number Observe         1: The Instructure 2 Number Observe         1: The Instructure 2 Number Observe           2: Instructure 2 Number Observe         1: The Instructure 2 Number Observe         1: The Instructure 2 Number Observe           3: Instructure 2 Number Observe         1: The Instructure 2 Number Observe         1: The Instructure 2 Number Observe           1: Observe         1: The Instructure 2 Number Observe         1: The Instructure 2 Number Observe           1: Observe         1: The Instructure 2 Number Observe         1: The Instructure 2 Number Observe           1: Observe         1: The Instructure 2 Number Observe         1: The Instructure           1: Observe         <	5. Ge	enerator's Name and Mallin			anone e		S Sile Address	(ii ulilerent u	nan maling addre	55)	1		
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Bit ID       CONSISTING INFORMATION       Description       CONSISTING INFORMATION         Bit ID       SUS DOT Description (Moduling Prover Shipping Name, Hazard Class, ID Number, ID       10. Continients       11. Curl ID       12. Unit       12. Unit       12. Unit       12. Unit       12. Unit       13. Water Cooker         Bit ID	7. Tra	ansporter 2 Company Nam			100	in Cober	to he Sinctor	free of least	U.S. EPA ID	Number	LINE will pro-	COLUMN AND	iebin (PB)
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Leartify 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.  Serverator's/Offeror's Printed/Typed Name  Signature  Month Day Yei  Calification of Receipt of Materials  Transporter Signature (for exports only):  Transporter Acknowledgment of Receipt of Materials  Transporter 1 Printed/Typed Name  Signature  Month Day Yei  Transporter 2 Printed/Typed Name  Signature  Month Day Yei  Nonth Day Yei  Nonth Day Yei  Signature  Nonth Day Yei  Nonth Day Yei  Nonth Day Yei  Signature  Nonth Day Yei  Nonth Day Yei  Nonth Day Yei  Signature  Nonth Day Yei  Signature  Nonth Day Yei  Nonth Day Yei  Nonth Day Yei  Nonth Day Yei  Signature  Nonth Day Yei  Nonth Day Yei  Nonth Day Yei  Signature  Nonth Day Yei  Nonth Day Yei  Nonth Day Yei  Nonth Day Yei  Signature  Nonth Day Yei  Nonth Day Yei  Signature  Nonth Day Yei  Signature  Nonth Day Yei  Signature  Nonth Day Yei  Nonth Day		marked and labeled/placar Exporter, I certify that the c	ded, and are in all respects in prope contents of this consignment conform	er condition for transport a m to the terms of the attac	according to ap ched EPA Ackno	plicable interr owledgment o	national and nat of Consent.	tional governr	mental regulations	hipping name, a s. If export shipm	nd are classif nent and I arr	fied, packa the Prima	ged, ry
16. International Shipments       Import to U.S.       Export from U.S.       Port of entrylexit:	y la	I certify that the waste mini	mization statement identified in 40	CFR 262.27(a) (if I am a l	large quantity g	generator) or (	b) (if I am a sm	all quantity ge	enerator) is true.	for the mult	nineg int	O BUTTELL	10.101
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		6880 Smith Ave.									ľ
		Newark CA 94560					1				
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	9a.	9b, U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number,	I	Ļ	10. Contair	ners	11. Total	12. Unit	13.	Waste Code	s
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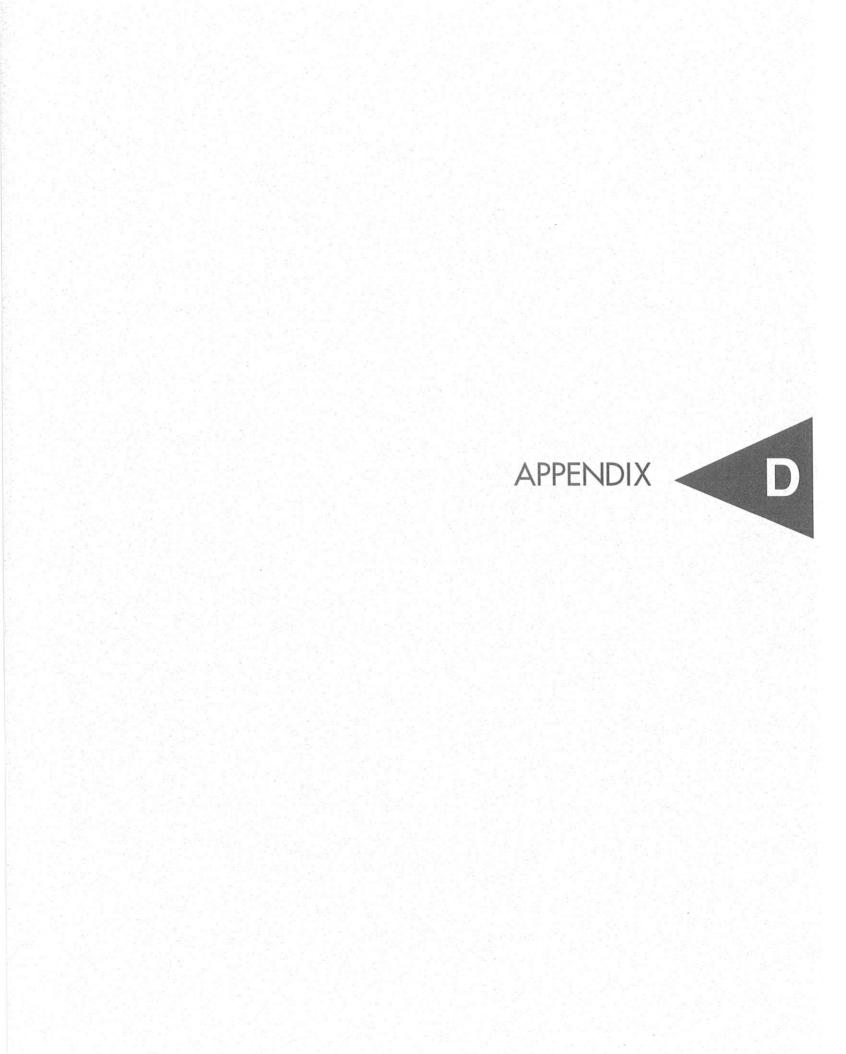
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DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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	W	ASTE MANIFEST CAS11111001	11		ES 510 749	-1390	an mailing addres		<u>168</u>		JN
	5. Ge	enerator's Name and Mailing Address DEPARTMENT OF TRANSPORTATION CALTRANS DIS 11 GRAND AVENUE FLOOR 好 Floor 12 だん とな	OLLOCK	CALT	RANS DIS	TRICT#	4 1.1.45 1.44	RE			:
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		DAKLAND         CA         94823         7706         72         Op           arator's Phone:         5         1         0         6         2         2         8         7         5         0         5         1         0         6         2         2         8         7         5         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0 <t< td=""><td></td><td></td><td></td><td><u>~ 24</u></td><td>U.S. EPAID I</td><td>telesi</td><td>aph c</td><td>aKl</td><td>ind.</td></t<>				<u>~ 24</u>	U.S. EPAID I	telesi	aph c	aKl	ind.
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		NRC ENVIRONMENTAL SERVICES INC.		, <b></b> .			U.S. EPAID		003	UII	4
ŀ	7, 112	ansporter 2 Company Nama									
		esignated Facility Name and Site Address					U.S. EPAID I	lowper			,
		Evergreen Oil, Inc. 1880 Smith Ave.	`								
	N	Jewark CA 94560						~ ~		7 1 1	D
	Facili	ity's Phone: 510 795-4400			10. Contair	19/5	11. Total	9 8 12. Unit	<u>088</u> 		
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))	•		No.	Туре	Quantity	Wi.Noi.	13.	Waste Code	35
		1NON RCRA HAZARDOUS WASTE LIQUID (OILY WA	TER)						221		
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	15.	GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of the marked and labeled/placarded, and are in all respects in proper condition for transport and	ccording to app	blicable int	emational and nat	iscribed abo ional govern	ve by the proper s mental regulation:	hipping nar s. If export :	ne, and are cli shipment and	assilied, pac I am the Prir	kageo, nary
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DESIGNATED								<u>-</u>			
00	19.	Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste t			ecycling systems)		4.			<u></u>	
	1.	H - I L I	3	<b>)</b> ,			7.				
11	20	Designated Facility Owner or Operator: Certification of receipt of hazardous materials co	vered by the m	anifest ex	cept as noted in It	em 18a					
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DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)



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510	755	PLAN R	EVIEW	UG	JC	<b>DB</b> # - <b>P09-1</b>	527 File
Submitted Nov 4, 2009	Job Site 29th St.	Company Name GEOCON	Type of Pla tank removal p	ns	Disposition		Pick Up/Mailed Date
Date Assigned Nov 4, 2009	I-980 overpass	CONSULTANTS, INC. Company Phone #	Reviewer Mathews		Pick up pers	ion 1	Pick up person Phone #
Resubmitted $\bigcirc$ Yes $\bigcirc$ No1.) $\bigcirc$ 1st $\bigcirc$ 3rd2.) $\bigcirc$ 2nd $\bigcirc$ 4th3.)4.)		925-371-5900 Contact Person JOHN LOVE Expedite/After Hours O Yes O No	Fces Paid Yes Fees Paid Da Nov 4, 200	ate 3.)	Reviewed D:		Amount of Time
Plan Check Fees (NO insp	ections included)		······································		Comments		
Submittal/Resubmittal, full		•••••	<u>Units</u> Si	1 _		ng four (4) sets	of appl's c.p.
<ul> <li>a. Sprinkler System/Zone</li> <li>b. Standpipe System</li> <li>c. Underground Main</li> <li>d. Fire Pump System</li> <li>e. Fire Hydrant</li> <li>f. FM 200, Halon, gas supp</li> <li>g. Dry chemical suppression</li> <li>h. Spray Booth Installation</li> <li>Expedited plan clerk fee (a-h)-mi</li> <li>i. Evacuation Plans</li> <li>j. Fire Alarm System</li> <li>k. Range Hood &amp; Duct Sup</li> <li>Expedited plan check fee (i-i) min</li> <li>Inspection Fees</li> <li>a. Inspection, \$149.49/hour</li> <li>b. Reinspection (\$242.1</li> </ul>	n sy m in 2440#(FP Engineer)	<ul> <li>242.16</li> <li>352.20</li> <li>242.16</li> <li>242.16</li> <li>352.20</li> <li>242.16</li> <li>352.20</li> <li>149.49</li> <li>149.49</li> <li>560.60</li> </ul>			Mailing Addr EOCON CON DATE ALL INSPE	ST IT TANTS- IN	Amount Received:
a. Removal, 1st Tank (\$242.16/h	r x 2.5 hrs min path inspection \$149.4	9)	· · · · · ·	\$754.89	İ		
م \$149,49 each additional tank		O 149.49			Total An	nount Received	: <u>\$754.89</u>
5, \$149.49 cace additional tark	/hr x 2.5 hrs min, plutinspection \$59	8.37) O 1203.77		· · · · · · · · · · · · · · · · · · ·	Tot	al Amount Due	: <u>\$0.00</u>
	meer time (\$242.16/hr) e Review - 65% of Building Perm	1 24.16	·		ſu	Billing Invoic	e Date: Uptated 3/31/08
		Tota	ıl Cost	<u>\$ 754.8</u>	17	JV	$\left( J\right)$



A	WASTE MANIFEST         CAS111111001         1	1 of     3. Emergency Response Phone     4. Waste Tracking Number       NRCES 510 749-1390     4. Waste Tracking Number       Generator's Site Address (if different than mailing address)
	5. Generator's Name and Mailing Address DEPARTMENT OF TRANSPORTATION CALTRANS DISTRI- 111 GRAND AVENUE FLOOR 12 OAKLAND CA 94623 Generator's Phone: 5 1 0 6 2 2 - 8 7 5 0	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 C A R D D D D 3 D 1 1 4
	7. Transporter 2 Company Name	U.S. EPA ID Number
	8. Designated Facility Name and Site Address POTRERO HILLS LANDFILL 3875 POTRERO HILL LANE FAIRFIELD CA 94585	U.S. EPA ID Number
	Facility's Phone: 707 432-4835	10. Containers 11. Total 12. Unit
	9. Waste Shipping Name and Description	No. Type Quantity Wt./Vol.
GENEPATOR -	<sup>1</sup> NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE: PHLF-09-015	0 0 1 CM 00015 Y
- GENE	2.	
	3. · · · · · · · · · · · · · · · · · · ·	
	4.	
	CONSULTANT: GEOCON CONSULTANTS, INC. 6671 E NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 14. GENERATOR'S CERTIFICATION: 1 certify the materials described above on this manifest are not a	BIN#: RIS242 ML subject to federal regulations to reporting proper disposal of Hazardous Waste.
¥	Generator's/Offeror's Printed Typed Name 15. International Shipments	Signature Month Day Year
INT'L	Transporter Signature (for exports only):	trom U.S. Port of entry/exit:
	16. Transporter Acknowledgment of Receipt of Materials	
ORT	Transportar 1 Printed/Typed Name	Signature Pasella Holls Month Day Year
TRANSPORTER	Transporter 2 Printed/Typed Name	Signature Month Day Year
	17. Discrepancy       17a. Discrepancy Indication Space       Quantity       Type	Restrue Partial Rejection Full Rejection
- געח	17b. Alternate Facility (or Generator)	Manifest Reference Number: U.S. EPA ID Number
FACILITY	Facility's Phone:	· · · ·
DESIGNATED	17c. Signature of Alternate Facility (or Generator)	Month Day Year
DESI		
	18: Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest	
V	Printed Typed Name	Signature Month Day Year
169	3-BLC-06 10498 (Rev. 8/06) 2102 9D2	DESIGNATED FACILITY TO GENERATOR

POTRERO HILLS LANDFILL, INC. Weighed at: POTRERO HILLS LANDFILL, ING. 3675 POTRERO (ILLS LANE SUISUN, C.C. 15

Deputy: Janee Orinousz Deposit: January January BILL TO: 169 NRC ENVIRONMENTAL SERVICE

12

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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. SCALE 3 TARE WT. NET WEIGHT	64360 39020 25340	LB	
v	Description	Am	ount	

Qty Description Amou 12.67 Profile Soil-T ADC

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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.

A	NON-HAZARDOUS     1. Generator ID Number       WASTE MANIFEST     C A S 1 1 1 1 1 1 0 0	2. Page 1 of 3. E	mergency Response CES 510 749		4. Waste T	Tracking Nu	mber 149-05
	5. Generator's Name and Mailing Address DEPARTMENT OF TRANSPORTATION CALTRANS 111 GRAND AVENUE FLOOR 12 OAKLAND CA 94623	S DISTRICCON CA 291	erator's Site Addres LTRANS DIS 'H STREET ( KLAND CA	TRICT#	4 OAKLAN	ם מ	ER PASS
	Generator's Phone:     5     1     0     6     2     2     -     8     7     5     0       6. Transporter 1 Company Name				U.S. EPA ID		
	NRC ENVIRONMENTAL SERVICES INC. 7. Transporter 2 Company Name				U.S. EPAID		0030114
	7. Transporter 2 Company Name				0.8. CFX 10	NUITOCI	
	8. Designated Facility Name and Site Address POTRERO HILLS LANDFILL 3875 POTRERO HILL LANE FAIRFIELD CA 94585	· ·	· ·		U.S. EPA ID	Number .	· .
	Facility's Phone: 707 432-4635		10. Cont	ainars	41 Tabel	40.16-1	
	9. Waste Shipping Name and Description		No.	Туре	11. Total Quantity	12. Unit Wt./Vol.	
GENERATOR -	<sup>1</sup> NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE# PHLF-08-015		001	СМ	00015	Y	NONE
U CEN	2.						
	3.	· · ·					
	4.						
	13. Special Handling Instructions and Additional Information			I			
	WEAR APPROPRIATE PERSONAL PROTECTIV CONSULTANT: GEOCON CONSULTANTS, INC NRCES 1605 FERRY POINT ALAMEDA, CA.	. 6671 BRISA	STREET, [N#:		IORE, CA		
	14. GENERATOR'S CERTIFICATION: I certify the materials described above on this	s manifest are not subject to fe	deral regulations fo	r reporting pro	oper disposal of h	Hazardous V	
V	Generator's/Offeror's Finited/Tyged Name A	/ Signatur		4	Malajara .		Month Day Year
I.L.	15. International Shipments Import to U.S.	Export from U.S.	Portofe				
1			Date lea	ring U.S.:			
ORTE	Transporter 1 Printed/Typed Name	Signatur	- IIA	The	1		Month Day Year
TRANSPORTER	Transporter 2 Printed/Typed Name	I Signatur	e e	//////			Month Day Year
	17. Discrepancy 17a. Discrepancy Indication Space						
	Quantity	Туре	Residue Reference	Number:	Partial Re	ejection	Full Rejection
FACILITY	17b. Alternate Facility (or Generator)				U.S. EPA ID	Number	
		**************************************					Month Day Year
ESIGNATED				antat 1997 Antat 1997			
8	<b>1</b>						
	18. Designated Facility Owner or Operator: Certification of receipt of materials cover	ed by the manifest except as r Signatur			and the second		Month Day year
V I	12-BLC-0 6 10498 (Rev. 8/06)					2015- EN A	CILITY TO GENERATOR

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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

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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

63660	L.B
37880	1.8
25780	LB
	63660 37880 25780

QtyDescriptionAmount12.89Profile 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 (commoncing with Section 12700) of Division 5 of the California Business and Protestions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

(Deputy Signature)

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rtify that this load does by hazardous materials, or liquids of any type.

1. Mm Signature)

A	NON-HAZARDOUS 1. Generator ID Number WASTE MANIFEST CAS1111111001	2. Page 1 of 3. Emergency Response Phone 4. Waste Tracking Number 0 1 NRCES 510 749-1390 4. Waste Tracking Number 0
	5. Generator's Name and Mailing Address DEPARTMENT OF TRANSPORTATION CALTRANS DIST 111 GRAND AVENUE FLOOR 12 OAKLAND CA 94623	LLOCK Generator's Site Address (if different than mailing address) RI CALTRANS DISTRICT#4 OAKLAND 29TH STREET & TELEGRAPH AVE, UNDER PASS OAKLAND CA
	Generator's Phone: 5 1 0 6 2 2 - 8 7 5 0 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
	O Device and Easting Manage and Othe Address	U.S. EPA ID Number
	8. Designated Facility Name and Site Address POTRERO HILLS LANDFILL 3875 POTRERO HILL LANE FAIRFIELD CA 94585	
	Facility's Phone: 707 432-4635 9. Waste Shipping Name and Description	10. Containers 11, Total 12. Unit
		No. Type Quantity Wt.Vol.
GENERATOR	1NON HAZARDOUS WASTE SOILD (SOIL WITH HYDROCARBONS) PROFILE# PHLF-09-015	0 0 1 CM 00015 Y
	2.	
	3.	
	4.	
	14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest Generator's/Offeror's Printed/Typed Name	are not subject to federal regulations for Teporting proper disposal of Hazardous Waste.
¥	for you	<u><u> </u></u>
ILL	15. International Stepments	Export from U.S. Port of entry/exit
	Transporter Signature (for exports only): 16. Transporter Acknowledgment of Receipt of Materials	Date leaving U.S.:
TRANSPORTER	Transporter 1 Printed/Typed Herrie ASCUAL FLORES Transporter 2 Printed/Typed Name	Signature Passural, Mores Month Day Year Signature Month Day Year
4 H V		
Å	17. Discrepancy       17a. Discrepancy Indication Space       Quantity   Type	Residue Partial Rejection Full Rejection
	17b. Alternate Facility (or Generator)	Manifest Reference Number: U.S. EPA ID Number
TED FACILITY	Facility's Phone: 17c. Signature of Alternate Facility (or Generator)	Month Day Yea
- DESIGNATED		
	18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the	nanifest except as noted in Item 17a
V	Printed your of the of	Signature DOWD Pax Yea
16	8-BLC-O 6 10498 (Rev. 8/06)	9D14430 DESIGNATED FACILITY TO GENERATO

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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

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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

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#### 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.

(Deputy Signature)

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

	N		1. Generator ID Number		2. Page 1 of	3. Emerc	jency Response	Phone	4. Waste Ti	acking Nu	mber	~~		
Â	W	ON-HAZARDOUS ASTE MANIFEST	CAS11111		1	NRCE	S 510 749	-1390	4	64	49-	02		
	DI 11 O	AKLAND CA 9	F TRANSPORTATION C/ NUE FLOOR 12 4823		OLLOCK	CALTI 29TH	RANS DIS	TRICT#	ihan mailing addre 4 OAKLANI 1RAPH AVE	)	ER PASS			
		rator's Phone: <u>5</u> 4 nsporter 1 Company Nar				I			U.S. EPA ID					
			MENTAL SERVICES IN	IC.	·····			·			0 0 3 0	111	]	
	7. 1ra	nsporter 2 Company Nar	ne							truitioe:				
	8. De:	signated Facility Name a	nd Site Address			,	``		U.S. EPA ID	Number				
	36 F/	OTRERO HILLS 375 POTRERO I AIRFIELD CA (	HILL LANE 34585						· ·					
	Facility's Phone: 707 432-4835 9. Waste Shipping Name and Description 10. Containers 11. Total 12. Unit													
	9. Waste Shipping Name and Description           10. Containers         11. Total         12. Unit           No.         Type         Quantity         Wt./Vol.													
GENERATOR			DOUS WASTE SOILD (SC DONS) PROFILE#: PHU			-	0 0 1	СМ	00016	Y	NONE	200 ava Estate215 Generate2		
GENE		2.												
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		3.												
				•										
		4.												
			. · ·											
	Ċ	ONSULTANT:	liate personal pro Geocon consultant Perry point alamed	3, INC. 6	671 BRI				IORE, CA	-	BIN#1	(182)	<b>۱۱</b> ـــ	
	14. G	ENERATOR'S CERTIFI	CATION: I certify the materials described	above on this manife	st are not subje	ect to federa	al regulations fo	r reporting pr	oper disposal of H	lazardous \	Waste.	•		
<b> </b> ↓		rator's/Offeror's Printed/	Wed-Name	/	\$ 	ignature	- <del>-</del>	mY	/		Mon //	th Day	Year	
INT'L		ternational Shipments	Import to U.S.	[	Export from	n U.S.	Port of e		-					
		sporter Signature (for exp ransporter Acknowledgm	ent of Receipt of Materials				Date lea	ving U.S.:						
TRANSPORTER	Trans	sporter 1 Printed/Typed	lame	Ain	s	Signature	50	1 A	Ar		Mon	th Day	Year	
NSP(	Trans	sporter 2 Printed/Typed N	Vuan C. Mai			Signature	<u>V</u> .	N (AI			Mon	th Day	01 Year	
TRA		,pono: 21 milea / Jpou /												
Å		liscrepancy	······································								•	•	·	
	17a.	Discrepancy Indication S	pace Quantity	🗌 Туре		[	Residue	N	Partial Re	ejection		Full Rejec	tion	
'  2	17b.	Alternate Facility (or Gen	erator)			Man	ifest Reference	IXUIIIO91:	U.S. EPA ID	Number				
FACILITY									1	-				
1 E E		ity's Phone: Signature of Alternate Fa	cility (or Generator)								Mon	th Day	Year	
VATE	170.1	organitoro or vorcinato r o	ionly for denotatory					·						
- DESIGNATED						 						ł		
			r or Operator: Certification of receipt of m	aterials covered by th	e manifest exce	ept as note	d in Item 17a			<u></u>				
∥	Printe V	exTyped Name	(PTT) MP P		\$ 	Signature	iton a	$\overline{)}$			- Mos		Y	
<u>'</u> 164	)-BL0	<u>ΥΠΔ</u> C-0 6 10498 (Re	<u>v. 8/06)</u>		I	<u> </u>			DESIGNAT	'ED FA	CILITY TO	GENE	LV   ATOF	
			· • • • • • •				9R1-				_			

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

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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

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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	L.B
NET WEIGHT	21740	LB

QtyDescriptionAmount10.87Profile Soil-T ADC

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#### WEIGHMASTER CERTIFICATE:

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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.

# (Deputy Signature)

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

A		NON-HAZARDOUS     1. Generator ID Number       WASTE MANIFEST     CAS1111110		of 3. Emergency Response NRCES 510 749		4. Waste T 9 (		mber 19-0	3
		Generator's Name and Mailing Address DEPARTMENT OF TRANSPORTATION CALTRA 111 GRAND AVENUE FLOOR 12 OAKLAND CA 94623		Generator's Site Addres CALTRANS DIS 29TH STREET & OAKLAND CA	TRICT#	4 OAKLANI )RAPH AVI	D E, UNDI	ER PASS	
		. Hansporter I Company Name				U.S. EPA ID			
		NRC ENVIRONMENTAL SERVICES INC.				U.S. EPAID	00	0030	114
	7.	Transporter 2 Company Name				0.0. EFAID	Number		
	8.	b. Designated Facility Name and Site Address		· · · · · · · · · · · · · · · · · · ·		U.S. EPA ID	Number		
		POTRERO HILLS LANDFILL 3875 POTRERO HILL LANE FAIRFIELD CA 94585 facility's Phone: 707 492-4835				<u> </u>			
		9. Waste Shipping Name and Description		10. Cont	ainers	11. Total	12. Unit		
			-	No.	Туре	Quantity	Wt./Vol.		
GENERATOR -		<sup>1</sup> NON HAZARDOUS WASTE SOILD (SOIL W HYDROCARBONS) PROFILE* PHLF-09-0 2.	TH 115	001	CM	00015	Y	NONE	
3 3 1		· <b>/</b>							
		3.				. *			
		4.	~						
	13	3. Special Handling Instructions and Additional Information		<b>I</b>	1	ľ			
		WEAR APPROPRIATE PERSONAL PROTECT CONSULTANT: GEOCON CONSULTANTS, I NRCES 1605 FERRY POINT ALAMEDA, C	NC. 6671 BR A. 94501	iba streët, bin#: R19	LIVERI ZS N	nore, ca 1 L			
		14. GENERATOR'S CERTIFICATION: I certify the materials described above of above		ject to federal regulations fo Signature	r reporting p	oper disposal of I	Hazardous I	Vaste. Month	Day Year
- INT'L		15. International Stipments Import to US.			ntry/exit:	<i>V</i>		14	
· · · · ·		16. Transporter Acknowledgment of Receipt of Materials		5410104	11.9 0.0.1				
E H	Tr	Transporter 1 Printed/Typed Name		Signature	,			Month	Day Year
L S		GARY WOODS		Gary Wor	vero			61	19 09
TRANSPORTER	Tr	Fransporter 2 Printed/Typed Name	. : 	Signature				Month	Day Year
	17	17. Discrepancy						I,	I
	L	170 Dissessment Infection Concern	Туре	Residue		Partial Re	ejection		Full Rejection
	17	17b. Alternate Facility (or Generator)		Manifest Reference	Number:	U.S. EPA ID	Number		
D FA		Facility's Phone:						•	
ATEL .	17	17c. Signature of Alternate Facility (or Generator)	. I					Month I	Day Year
- DESIGNATED FACILITY								<b> </b>	<u>}</u>
		18. Designated Facility Owner or Operator: Certification of receipt of materials of	overed by the manifest exc	cept as noted in Item 17a					
V		Printed Type Name PITUE JTONES		Signature STOP	R)	· · · · · · · · · · · · · · · · · · ·		Month	19 Dey
169	)-8	BLC-O 6 10498 (Rev. 8/06)		00203	54	DESIGNAT	red fa	CILITY TO (	GENERATO

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

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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	L8
	SCALE 3 TARE WT.	39080	LB
,	NET WEIGHT	26620	LB

Oty Description Amount 13.31 Profile Soil-T ADC

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## 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.

#### (Deputy Signature)

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

1			ON-HAZARDOUS ASTE MANIFEST	1. Generator ID Num CAS1		100	) 1	2. Page 1 of	1	gency Response ES 510 749		4. Waste T	racking Nu	mher 9	-	06	
		DE 11 0/	erator's Name and Mailin EPARTMENT OI 1 GRAND AVEN AKLAND CA 94 ator's Phone: 5 1	g Address F TRANSPOR IUE FLOOR 1 1623	TATION C/ 2	ALTRAN			CALTI 29TH	RANS DIS	TRICT#	than mailing addr 4 OAKLANI 1 RAPH AVE	כ כ	ER PA	SS	;	
	Generator's Phone:         5         1         0         8         2         2         8         7         0         0         0         0         0         0         0         0         1         1         0         0         0         0         1         1         0         0         0         1																
			Sporter 2 Company Nam		VICESIN	IC.						U.S. EPA ID		003	s ŋ .	174	¥
												U.S. EPA ID	M		-		
	8. Designated Facility Name and Site Address U.S. EPA ID Number POTRERO HILLS LANDFILL 3875 POTRERO HILL LANE FAIRFIELD CA 94585 Facility's Phone: 707 432-4835 10. Containers 11 Total 12 Light																
COTA			<sup>1</sup> NON HAZARD HYDROCARB							0.04	~14	00042		NONE			
			2.	· · · · · · · · · · · · · · · · · · ·						001	СМ	00015	Y ·				
			3.														
			4.														
		13. S	pecial Handling Instructio	ns and Additional Info	rmation			<u></u>									
	WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT JOE#/PO#: 46449 CONSULTANT: GEOCON CONSULTANTS, INC. 6671 BRISA STREET, LIVERMORE, CA. NRCES 1605 FERRY POINT ALAMEDA, CA. 94501 BIN#: $NRC$ 3340																
١			ENERATOR'S CERTIFIC					-	ignature					12510.	Month	Day 19	Year 07
	51		ternational Shipments	import to L	I.S.			Export from	U.S.	Port of er Date leav							7
	ž –		ansporter Acknowledgme porter 1 Printed/Typed Na		ials			S	ignature						Month	Day	Year
	5		GARY WO	<i>bods</i>					Gai	y Woe	do				11	19	09
	HAN	Trans	porter 2 Printed/Typed Na	amə					ignature	/			•		Month	Day	Year
,	MA L		screpancy Discrepancy Indication Sp			Г	Туре		Γ	Residue		Partial Re			Π.	ull Reject	Hon
		-		Quantity	1	L	_з туре		Mar	nifest Reference I	Number:		geouori			ua nejeu	
Ì		17b. /	Nternate Facility (or Gene	erator)								U.S. EPA ID	Number				
			y's Phone:									1					
	VATED	17c. S	Bignature of Alternate Fac	ility (or Generator)											Month	Day	Year
	- DESIGNATED																
	1 1		esignated Facility Owner	pi Operator: Certificat	ion of receipt of m	naterials cov	vered by the		ept as note ignature	d in Item ()					Month	Day	(Prefe)
י] ז	V			RIDEN					-(	TR)		DESIGNAT	ED FA	CILITY			
1	68	BLC	C-O 6 10498 (Rev	. 8/08								JESIGNAI	ED PAU	ULU Y	10.6	GIVEF	IAIL

ERO HILLS LANDFILL, INC. We hed at: P ERO HILLS LANDFILL, INC. Station, CA 94585 Deputy: Latoya Long Deposit: Latoya Lorey 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

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	MANUAL GROSS WT. SCALE 3 TARE WT. NET WEIGHT	64280 36860 27420	LB
Qty 13.71	Description Profile Soil-T ADC		ount

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.

MURGUIN 10 (Driver Signature)



January 20, 2010

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

Subject: UST Removal Report 29<sup>th</sup> 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°

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<sup>o</sup> - 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

			-	Caltrans - 29th Dakland, Calif					
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

# Table 3Soil Sample ResultsTPHg, TPHd, TPHmo, Oil & Grease, VOCs, and PAHsCaltrans - 29th Street

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