Perjury Statement

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Ted Dang, President

<u>1/12/06</u> Date



424 First Street, Benicia, CA 94510 (707) 748-3170 / fa× (707) 748-3171

October 27, 2006 Project: CA1264-6 Alameda County ID: RO0000396

Ted Dang Tomorrow Development 1305 Franklin, #500 Oakland, California

> Quarterly Groundwater Monitoring and Deeper Groundwater Sampling Former Gas Station 2547 East 27th Street Oakland, California

Dear Mr. Dang

Ceres Associates is pleased to provide this quarterly groundwater monitoring and deeper groundwater sampling report for the former gas station at 2547 East 27th Street, Oakland California (Property).

Background

The Property was formerly developed with a fuel and service station between 1927 and 1994. In 1994, one 100-gallon waste oil UST and four 500-gallon gasoline USTs were removed from the Property. After the tanks were removed, the excavation pits were lined with visqueen plastic and backfilled with the excavated material. It was reported that eight soil samples were collected from below the tanks and two were collected from the stockpiled soil (from the excavation).

Contamination on the Property was historically attributable to soil contamination by petroleum hydrocarbons and associated BTEX compounds. Groundwater contamination was limited. However, during January 2005 and January 2006 sampling events, petroleum hydrocarbon and BTEX compounds were identified above regulatory action limits in the groundwater, but generally not in the soil. This is true of both on and off-site sample points.

The most recent sampling event, January 2006, indicated the presence of target analytes in groundwater samples off-site. Six groundwater monitoring wells were installed on and off the Property to assess for plume migration and extent. This is the first quarterly sampling event for these wells.

DEEPER GROUNDWATER SAMPLING

Soil Boring Details

Ceres Associates notified USA prior to commencing with soil boring activities. A Health and Safety Plan, prepared by Ceres Associates, was used to facilitate a pre-drilling safety meeting prior to conducting work. Signatures of attendees were collected at the meeting indicating an understanding of the risks and hazards involved in the drilling process. A copy of this document was kept on site during the drilling process.

Ceres Associates advanced one soil boring (SB-25) to a depth of 27 feet below ground surface (bgs) *(refer to the Appendix for a copy of the Soil Log for this boring)*. Although the initial request by the EHD was to sample to 40 feet bgs, the geoprobe met with refusal at 27 feet bgs. Other attempts were made in nearby locations to exceed this depth, however these attempts were unsuccessful and resulted in shallower borings.

Continuous soil cores were collected during the advance of SB-25 and analyzed in the field for potential water bearing zones. Based upon the soil data water bearing zones were anticipated at 13 and 21 feet bgs.

Groundwater Sampling

After the target water bearing zones were identified, Ceres Associates advanced adjacent borings to collect groundwater samples using a hydro-punch device. The hydro-punch was extended as detailed in the following table:

Target Water Bearing Zone	Depth of Hydro- Punch Tip	Retraction Distance
13 feet bgs	13.5 feet	2 feet
21 feet bgs	21.5 feet	2 feet

After the screen of the hydro-punch was exposed, a grab groundwater sample was collected by extending polyethylene tubing through the device to the screened interval. Ceres Associates collected one 1-liter amber bottle and four VOAs of groundwater at each target water bearing zone.

Groundwater samples were submitted to McCampbell Analytical, a state-certified laboratory, following chain of custody protocols to be analyzed total petroleum hydrocarbons (TPH) as gasoline (TPHg), as diesel (TPHd), as using US EPA method 8015 as well as for benzene, toluene, ethylbenzene, and xylenes (BTEX) using US EPA method 8020.



Each boring hole was then tremmie grouted according to the requirements of the Alameda County Public Works Agency, Well Division. This was conducted under a former, re-opened permit through this agency.

Results

The results of this deeper groundwater sampling are tabulated in the following table *(refer to the Appendix for a copy of the Laboratory Data Sheets)*. However, the following constituents were not reported above the method reporting limits (ND) for either sample depth: TPHg, TPHd, TPHmo, MTBE, Toluene, Ethylbenzene, or Xylenes.

Target Depth	Benzene (parts per billion, ppb)
13 feet bgs	ND
21 feet bgs	0.84
GSL (table A-2)	1.0

GSL: Groundwater Screening Limit, where groundwater IS a potential drinking water source, SF Bay Regional Water Quality Control Board.



QUARTERLY GROUNDWATER SAMPLING

Scope of Sampling

Ceres Associates conducted quarterly sampling activities of six monitoring wells on the Property on August 24, 2006: MW-1, MW-2, MW-3, MW-4, MW-5, and EX-1. These wells were installed in January 2006; this was the initial sampling of these wells.

Sampling Process

Ceres Associates measured the depth to water from the top of each well casing in addition to measuring the total depth of the well (*Refer to Figure 3 - Groundwater Contour Map*).

Monitoring Well	Depth to Water (ft)
MW-1	4.63
MW-2	4.26
MW-3	4.40
MW-4	4.87
MW-5	5.00
EX-1	4.84

Groundwater generated during this process was placed into an on-site 55-gallon drum, pending laboratory analysis for proper disposal.

As per the approved workplan, Ceres Associates employed a "low flow technique" to monitor the groundwater at the site. Polyethylene tubing was extended from the surface to the approximate midpoint of the screened interval of the well. The tubing was connected to a peristaltic pump, which pumped the groundwater to a flow-through multi-parameter cell devise. The water then flowed into additional tubing into a collection bucket to be transferred to the above mentioned 55-gallon drum for future disposal.

The wells were purged for at least five minutes at a rate of less than 1 liter per minute until the readings on the flow-through devise showed less than a 10% change for three consecutive minutes, for the following parameters: pH, conductivity, dissolved oxygen, and temperature. A sounding probe was used during the collection so that the pumping rate could be adjusted to assure that the well water depth



remained stable.

The water samples were then collected in laboratory-cleaned 40-milliliter glass vials and one-liter amber bottles with Teflon-lined caps. The samples were then placed into an ice-cooled chest for delivery to a State of California-certified analytical laboratory.

Decontamination was accomplished by discarding all the tubing and then washing the flow-through cell and sounding probe using a non-phosphate detergent followed by two freshwater rinses.

Ceres Associates, pursuant to an approved workplan, requested that the laboratory analyze the samples for total petroleum hydrocarbons (TPH) as gasoline (TPHg), as diesel (TPHd), as using US EPA method 8015 as well as for benzene, toluene, ethylbenzene, and xylenes (BTEX) using US EPA method 8020.

Ceres Associates anticipates using a bladder pump for the next quarterly monitoring event so as to reduce potential instrument bias on the groundwater samples.

Results

The following table details the concentrations reported by the laboratory for samples submitted from this sampling event and results for depth to water measurements (*no contour maps were generated for this data because there are only two field points, which is insufficient for contouring*):



Quarterly Monitoring Results for CA1264-6

Monitoring Well	Sample Date	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MW-1	8/24/2006	ND	ND	ND	ND	ND	ND	ND
MW-2	8/24/2006	ND	78	ND	ND	0.65	1.5	ND
MW-3	8/24/2006	ND	ND	ND	ND	ND	ND	ND
MW-4	8/24/2006	ND	ND	ND	ND	ND	ND	ND
MW-5	8/24/2006	ND	ND	ND	ND	ND	ND	ND
EX-1	8/24/2006	460	220	ND	ND	ND	ND	ND
GSL (Table F-1a)		100	100	1.00	40	30	13	5.00

GSL - Groundwater Screening Limit, where groundwater IS a potential source of drinking water, SF Bay Regional Water Quality Control Board

TPHg - total petroleum hydrocarbons as gasoline

TPHd- total petroleum hydrocarbons as diesel

MTBE - methyl tertiary butyl ether

Groundwater Elevation Data

Monitoring Well	Sample Date	Depth to Water	MW Elevation	GW Elevation
MW-1	8/24/2006	4.63	108.75	104.12
MW-2	8/24/2006	4.26	109.55	105.29
MW-3	8/24/2006	4.40	108.40	104.00
MW-4	8/24/2006	4.87	107.89	103.02
MW-5	8/24/2006	5.00	108.65	103.65
EX-1	8/24/2006	4.84	109.46	104.62

Discussion and Conclusions

Deeper Groundwater Sampling

The results of the soil sampling indicate that two water bearing zones are present at depths greater than 10 feet bgs (where previously sampling has focused on). Additional zones were identified at 13 and 21 feet bgs (sampling was done to a maximum depth of 27 feet bgs). The results of the groundwater sampling from these zones indicate that only one concentration of target analytes was reported above the method reporting limits: 0.84 parts per billion (ppb) of benzene at 21 feet bgs. This result falls below the Residential Environmental Screening Limit (ESL) for benzene of 1.0 ppb (Table F-1a).

Some source material remains on-site as contaminated backfill soil. This material is scheduled to be excavated in November 2006 and replaced with imported fill. The removal of this material is anticipated to remove the majority of potential source material remaining on-site which would aid in preventing vertical migration of contaminants to deeper aquifers.

Quarterly Groundwater Sampling

The results of the quarterly groundwater sampling event indicate that two wells are impacted with target analytes above the method reporting limits: MW-2 and EX-1. One of these wells, EX-1, is near the southeast corner of the Property. One off-site well, MW-2, located across East 27th Street from the Property, was identified as being impacted with target compounds. Other on and off-site wells were not reported by the laboratory above the method reporting limits (ND). Groundwater flow, based upon this monitoring event, is calculated to the south, south-east.

The concentrations of target analytes near MW-2 are interesting because a well in-between EX-1 and MW-2, namely MW-1, was not identified as having been impacted by target compounds during this monitoring event. MW-2 was placed only 8 feet below ground surface because of auger refusal at this depth. It is not clear why this scenario is taking place, however, further monitoring events will likely prove helpful in assessing this situation.

This is the first quarterly monitoring event. Additional sampling events will be necessary to assess for potential contamination migration patterns both on and off-site. The planned excavation of contaminated materials (from historic backfill) is anticipated to remove the likely source of contamination contribution to these wells. Ceres Associates would anticipate that over time the concentrations of target analytes in these two wells will decrease, especially with the removal of contaminated soil on-site.



Recommendations

Based upon the results of these sampling events, Ceres Associates recommends the following:

- The contaminated backfill material should be removed and replaced with imported soil. This is scheduled to occur in early November 2006 per an approved interim CAP.
- After soil has been removed and replaced, the Risk Assessment for the Property should be updated using the more recent sampling data for both soil and groundwater.
- Continue monitoring the groundwater wells to identify patterns of migration and/or stability of the plume originating from the Property.

Limitations

This Environmental Site Assessment (ESA) was conducted according to accepted industry standards and guidelines for similar assessments conducted in this geographic region at this time. This assessment cannot fully eliminate the possibility of the Property having environmental impairments. In today's technology, no amount of assessment can certify that the Property is completely free of environmental concern. It is possible undocumented or concealed conditions of the Property could exist beyond what was found during this ESA. This report does not cover any Property conditions beyond the date the Property survey was conducted.



If you have questions regarding this project please contact Ryan Meyer at (916) 485-2110 or via email at <u>ryanmeyer@ceresassociates.com</u>.

Sincerely,

Ryan Meyer Project Manager

Z

Ken Durand, RG CHG Senior Project Manager



Figures







Soil Boring Log

Soil Con D	Boring npletion Details	Depth	Sample Interval	USCS Code		Soil Description						
	1.5" Dia. Borehole			GM	Mixed gravel and loan	m, olive brown 2.5Y4/4						
Portland cement/	<	3 4 5 6		CL	Clay with some silt and 10YR2/2, medium pla	d sand, very dark greyish brown sticity.						
bentonite	$\begin{array}{c c c c c c c c c c c c c c c c c c c $											
	₩	-12		SC	Clayey sand, fine grai wet, olive brown 2.5Y	ined sand with 30% clay, moist, 75/4,medium plasticity.						
		-13 $--16$ $--17$ $--17$ $--18$ $--19$ $--$		CL	Sandy clay, with 20% high plasticity	9 gravel, reddish brown 5YR 4/4,						
	<u> </u>	-20 - -21 - -22 -		CL	Sandy clay, with 30% 5YR4/4, high plastic	% gravel,very moist, reddish brown ity						
		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		CL	Clay, with some silt, very dense, black , 2.5Y5/4, high plasticity							
דע 27.5''		-28 -29			Refusal at 27.5'							
G Pro	Ceres Associates	F 25 C	ormer Ga 547 East 2 Dakland, G	as Station 27th Street California	Logged By: Ken Durand Date: September, 2006 Drilling Method: Geoprobe 6600	LOG OF SOIL BORING SB-25 SHEET 1 of 1						

Laboratory Data Sheets



McCampbell Analytical, Inc.

"When Ouality 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

Ceres Associates	Client Project ID: #CA1264-5	Date Sampled:	09/20/06				
424 First Street		Date Received:	09/20/06				
Benicia CA 94510	Client Contact: Ryan Meyer	Date Reported:	09/27/06				
	Client P.O.:	Date Completed:	09/27/06				

WorkOrder: 0609417

September 27, 2006

Dear Ryan:

Enclosed are:

- 1). the results of 2 analyzed samples from your **#CA1264-5 project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence

in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

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McCampbell Analytical, Inc.

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 252-9262				Wa	orkOrd	ler: 06	609417		Clie	ntID:	CAB		ED	F: YES	5		
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1	G-MBTEX_W
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3	TPH(DMO)_W
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Prepared by: Nickole White

Comments:

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

	McCampbell . "When Ou	Analyt ality Counts"	ical, Inc	<u>•</u>	1534 W Web: www.r Telep	'illow Pass Road, 1 nccampbell.com hone: 877-252-92	Pittsburg, CA 94565 E-mail: main@mcca 62 Fax: 925-252-9	5-1701 mpbell.com 9269		
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001A	B-13-X	W	ND,i	ND	ND	ND	ND	ND	1	100
002A	B-21-X	W	ND,i	ND	0.84	ND	ND	ND	1	101
Rep	orting Limit for DF =1;	w	50	5.0	0.5	0.5	0.5	0.5	1	ug/L
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* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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



	Campbell Analyti	cal, Inc.	1534 Willow Web: www.mccan Telephone:	Pass Road, Pittsburg, CA 9450 npbell.com E-mail: main@mco : 877-252-9262 Fax: 925-252	65-1701 campbell.con -9269	1
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Benicia CA 94	510	Client Contact: R	yan Meyer	Date Extracted: 09/	20/06	
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0609417-001B	B-13-X	W	ND	ND	1	105
0609417-002B	B-21-X	W	ND	ND	1	105
Rep	oorting Limit for DF =1;	w	50	250	110	ν/L
ND ab	means not detected at or ove 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 / 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: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirits; p) see Case Narrative.





"When Ouality Counts"

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0609417

EPA Method SW8021B/80150	Cm B	Extraction	SW503	0B		Batchll	D: 23890	ŝ	Spiked Sar	nple ID	: 0609456-0	014A
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	A	cceptan	ce Criteria ('	%)
, and y to	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex ^f	ND	60	96.9	103	5.74	97.9	98.5	0.661	70 - 130	30	70 - 130	30
MTBE	ND	10	108	107	0.843	105	116	10.2	70 - 130	30	70 - 130	30
Benzene	ND	10	97.6	97.9	0.259	96.6	99.4	2.85	70 - 130	30	70 - 130	30
Toluene	ND	10	90.8	90	0.829	90.2	92.8	2.78	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	99.6	100	0.935	99.6	103	2.98	70 - 130	30	70 - 130	30
Xylenes	ND	30	96	96.7	0.692	96.7	100	3.39	70 - 130	30	70 - 130	30
%SS:	93	10	95	94	1.14	93	93	0	70 - 130	30	70 - 130	30
All target compounds in the Meth	nod Blank o	f this extra	ction bate	ch were N	D less tha	n the met	hod RL w	ith the follo	wing except	tions:		

BATCH 23890 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609417-001	9/20/06	9/25/06	9/25/06 8:31 PM	0609417-002	9/20/06	9/25/06	Э/25/06 10:01 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.

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





NONE

McCampbell Analytical, Inc.

"When Ouality Counts"

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0609417

EPA Method SW8015C	E	Extraction	SW351	0C		BatchI	D: 23865	ŝ	Spiked Sar	nple ID	: N/A	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	A	cceptan	ce Criteria (%)
, and yes	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	97.2	101	3.59	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	102	103	1.27	N/A	N/A	70 - 130	30
All target compounds in the Met	hod Blank o	f this extra	ction bate	ch were N	D less tha	n the met	hod RL w	ith the follo	wing except	ions:		

BATCH 23865 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0609417-001	9/20/06	9/20/06	9/24/06 10:09 PM	0609417-002	9/20/06	9/20/06	Э/24/06 11:18 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.



Report To: Rya Company: Cer 424 F Tele: (707)	AcCAMP ebsite: <u>www.m</u> lephone: (877) n Myer es irst Street 748-3170	BELL 1534 WII PITTSBU ccampbel 7) 252-92	ANA RG, CA 99 Leom En 62	LY] SS RO 4565-1' nail: n Bill To 945 5-Mai Fax: (FIC. AD 701 main@ Fax 510 1: 707	AL mec: : (92	, IN amp (5) 2	bell. 52-9	• • • • • • • • • • • • • • • • • • •	nai	1.co	mc		8015)/MTBE	CUR Geo'	V 2220 E/B&F)	cke	C OU er F			lors / Congeners sist	OF E PD Ch Ree	F C DF eck ques	RUS RUS if sa	ST SH Ex	24 ccel le is	HR eff	R (0209/	48 H Vri t an	COR IR ite On id "J" Oth	D 72 HF (D) flag i er	S DAY S DAY W) s required Comments Filter Samples for Metals analysis:
Project #: CA1	264-6 . Oa	kland,	CA	Projec	t Nai	me:	Qt	rly	Tor	mor	row		_	+ 12		(1664	s (418	HVO	02 / 8(ides)	Aroc		rbicid		(5	PNA	6010	6010	(0			Yes / No
Sampler Signatu	re: All	Tilin	~	-		-				-		_	1	2 / 80		rease	arbon	021 (PA 6	Pestic	NLY;	icides	CI Her	OCs)	VOC	AHs	8.003	/ 8.00	1 602			Section Processes
		SAMI	PLING		2		MA	FRI	x	I	MET	HO	D	as (60	(9	I & G	ydroci	010 / 8	LY (F	1 (CI]	B's O	P Pest	cidic (260 (V	270 (S	310 (P	0.7 / 2	0.7/2	/ 6010			in sin di
SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containe	Water	Soil	All	Other	ICE	HCL	HNO,	Other	BTEX & TPH as G	TPH as Diesel (801	Total Petroleum O	Total Petroleum H	EPA 502.2 / 601 / 8	MTBE / BTEX ON	EPA 505/ 608 / 808	EPA 608 / 8082 PC	EPA 507 / 8141 (N	EPA 515 / 8151 (A	EPA 524.2 / 624 / 8	EPA 525.2 / 625 / 8	EPA 8270 SIM / 8	CAM 17 Metals (2)	LUFT 5 Metals (20	Lead (200.7 / 200.8			
MW-1		8/24/0	5	4		Х				X	x			X	x							-		-	-						1	
MW-2	1.1.1.1.1.1.1.1			H					-	tī	1			1	I							-		-	-							Sector Sector
MW-3				+						Ħ	++																					
MW-4				\square						Ħ	Ħ			H																		
MW-5										Ħ				T																		
EX-1	10.00 M	V		V		V				1	V			V	V																-	
											2	1/0	14	ta	4	8	144	1.0/	12	tt	0.07											
										T												1			1							- 110 143
Relinquished By: Relinquished By: rivetler Relinquished By:	fur	Date: §-25 Date: 7.3VpW Date:	Time: 3135 Time: $\frac{8}{25}$ Time:	Reco Reco Reco	eived B JIRO- eived B - P eived B	By: TEC By: A By:	JA	A 	19	5.3	35			IC GO HI DH AI PF	E/t ^e _ DOD EAD ECHI PPRC RESE	COI SPA LOR DPRI CRVI	NDIT CE A INAT ATE D IN	TON BSE FED CO LA V(N	ENT_ IN L NTA B	AB_INE	RS&G	MI pH	ETA	LS	OT	HER		CON	MME	ENTS:		

McCampbell Analytical, Inc.



1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 252-9262				Wa	orkOro	der: 0	608534		Clie	ntID:	CAB		EDH	F: YES	5		
Report to:							Bill to:						Req	juested	TAT:	5	j days
Ryan Meyer		Email:					Loi	i									
Ceres Associates 424 First Street Benicia, CA 94510		TEL: ProjectNo: PO:	(707) 748-317 CA1264-6; Qtr	0 FAX: (707) rly Tomorrow	748-31	171	Ce 424 Bei	res Ass 4 First S nicia, C	ociates Street A 9451	6 0			Dat Dat	te Rece te Print	ived: ted:	08/24 09/05	1/2006 5/2006
									Re	equeste	d Tests	(See le	gend bel	low)			
Sample ID	ClientSampID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
0608534-001	MW-1		Water	08/24/2006		А	Α	В									
0608534-002	MW-2		Water	08/24/2006		А		В									
0608534-003	MW-3		Water	08/24/2006		А		В									
0608534-004	MW-4		Water	08/24/2006		А		В									
0608534-005	MW-5		Water	08/24/2006		Α	-	В									
0608534-006	EX-1		Water	08/28/2006		Α	-	В									1

Test Legend:

1	G-MBTEX_W	2 PREDF REPORT	3 TPH(D)_W	4	5
6		7	8	9	10
11		12]		

Prepared by: Rosa Venegas

Comments: <u>Sample 006 received 8/28/06</u>

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

	McCampbell	Analyt ality Counts"	ical, Inc	<u>•</u>		1534 Wi Web: www.m Teleph	illow Pass Road, F accampbell.com none: 877-252-926	rittsburg, CA 94565 E-mail: main@mcca 52 Fax: 925-252-9	5-1701 mpbell.com 1269					
Ceres A	ssociates		Client Proj	ect ID: 0	CA12	64-6; Qtrly To	omorrow	Date Sample	d: 08/24/06	-08/28	3/06			
424 Firs	st Street							Date Receive	ed: 08/24/06	-08/28	3/06			
Benicia	CA 94510		Client Cor	ntact: Ry	an M	leyer		Date Extract	ed: 08/28/06	-09/06	5/06			
Benneha,	017/1010		Client P.O	.:				Date Analyz	e Analyzed 08/28/06-09/06/06					
Extraction	Gasoline	e Range (C	C 6-C12) Vola Anal	atile Hydr ytical method	t ocar ds SW	bons as Gaso /8021B/8015Cm	line with BTH	EX and MTBE	* Work Order	:: 060	8534			
Lab ID	Client ID	Matrix	TPH(g)	MTBI	Ξ	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS			
001A	MW-1	w	ND	ND		ND	ND	ND	ND	1	104			
002A	MW-2	w	ND	ND		ND	ND	0.65	1.5	1	93			
003A	MW-3	w	ND	ND		ND	ND	ND	ND	1	104			
004A	MW-4	w	ND	ND		ND	ND	ND	ND	1	99			
005A	MW-5	W	ND	ND		ND	ND	ND	ND	1	100			
006A	EX-1	w	460,m	ND		ND	ND	ND	ND	1	105			
										<u> </u>				
										<u> </u>				
										<u> </u>				
										 				
										 				
										<u> </u>				
										<u> </u>				
Rep	orting Limit for DF =1;	W	50	5.0		0.5	0.5	0.5	0.5	1	µg/L			
ND 1	neans not detected at or	S	NA	NA	Ī	NA	NA	NA	NA	1	mg/Kg			

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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



	CCampbell Analyti	<u>cal, Inc.</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					
Ceres Associ	ates	Client Project ID:	CA1264-6; Qtrly	Date Sampled: 08/24/	/06-08/2	8/06		
424 First Stree	et	Tomorrow		Date Received: 08/24/	/06-08/2	8/06		
Benicia, CA 9	4510	Client Contact: R	06					
, 		Client P.O.:		Date Analyzed 08/26/	/06-09/0	5/06		
	Diesel Rang	ge (C10-C23) Extra	ctable Hydrocarbons as	s Diesel*				
Extraction method	SW3510C	Analytical	methods SW8015C	Work Or	der: 06	08534		
Lab ID	Client ID	Matrix	TPH(d))	DF	% SS		
0608534-001B	MW-1	W	ND		1	96		
0608534-002B	MW-2	W	78,g,b		1	119		
0608534-003B	MW-3	W	ND		1	95		
0608534-004B	MW-4	W	ND		1	101		
0608534-005B	MW-5	W	ND		1	95		
0608534-006B	EX-1	W	220,n		1	109		

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

* water samples are reported in μ g/L, wipe samples in μ 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 μ 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: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.





"When Ouality Counts"

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water	QC Matrix: Water							WorkOrder 0608534			
EPA Method SW8021B/8015	Cm	Extraction SW5030B		BatchID: 23382			Spiked Sample ID 0608530-006A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
· · · · · · · · · · · · · · · · · · ·	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(btex ^f)	ND	60	100	99.8	0.210	104	104	0	70 - 130	70 - 130	
MTBE	ND	10	86.6	89.8	3.62	99.1	98.8	0.256	70 - 130	70 - 130	
Benzene	ND	10	94	89.9	4.45	93.8	92.5	1.42	70 - 130	70 - 130	
Toluene	ND	10	94.3	83	12.7	93.6	92.9	0.787	70 - 130	70 - 130	
Ethylbenzene	ND	10	83.3	100	18.4	99	98.5	0.536	70 - 130	70 - 130	
Xylenes	ND	30	91.7	95.7	4.27	95	95.3	0.350	70 - 130	70 - 130	
%SS:	103	10	96	101	5.33	100	99	0.777	70 - 130	70 - 130	
All target compounds in the Met NONE	hod Blank	of this extra	ction batc	h were ND	less than the 1	method RL	with the f	following exc	eptions:		

BATCH 23382 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608534-001A	8/24/06	8/30/06	8/30/06 1:25 AM	0608534-002A	8/24/06	8/28/06	8/28/06 7:44 PM
0608534-003A	8/24/06	8/30/06	8/30/06 2:24 AM	0608534-004A	8/24/06	8/29/06	8/29/06 2:51 AM
0608534-005A	8/24/06	8/29/06	8/29/06 3:55 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.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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





"When Ouality Counts"

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water	QC Ma	QC Matrix: Water					WorkOrder 0608534			
EPA Method SW8021B/8015	Extraction SW5030B		BatchID: 23404			Spiked Sample ID 0608587-005A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)	ND	60	101	101	0	99.8	102	2.07	70 - 130	70 - 130
MTBE	ND	10	108	99.8	8.37	88.4	83.7	5.40	70 - 130	70 - 130
Benzene	ND	10	102	93.8	8.48	86.3	81.4	5.89	70 - 130	70 - 130
Toluene	ND	10	96.1	89.8	6.88	93.4	87.3	6.65	70 - 130	70 - 130
Ethylbenzene	ND	10	98.8	93.3	5.74	106	101	4.33	70 - 130	70 - 130
Xylenes	ND	30	90.7	89.7	1.11	100	96.3	3.74	70 - 130	70 - 130
%SS:	101	10	107	100	7.46	105	99	6.03	70 - 130	70 - 130
All target compounds in the Met NONE	hod Blank o	f this extra	ction batcl	h were ND	less than the r	nethod RL	with the f	ollowing exc	eptions:	

BATCH 23404 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608534-006A	8/28/06	9/06/06	9/06/06 1:21 AM	0608534-007A	Not Provided	8/29/06	8/29/06 6:43 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 applicable or not enough sample to perform matrix spike and matrix spike duplicate.





NONE

McCampbell Analytical, Inc.

"When Ouality Counts"

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0608534

EPA Method SW8015C	ethod SW8015C Extraction SW3510C					BatchID: 23365			Spiked Sample ID N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
TPH(d)	N/A	1000	N/A	N/A	N/A	105	103	1.70	N/A	70 - 130	
%SS:	N/A	2500	N/A	N/A	N/A	102	102	0	N/A	70 - 130	
All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:											

BATCH 23365 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608534-001B	8/24/06	6 8/24/06	3/26/06 11:37 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



McCampbell Analytical, Inc.

"When Ouality Counts"

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0608534

EPA Method SW8015C	Extraction SW3510C				BatchID: 23429			Spiked Sample ID N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	105	102	3.33	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	102	99	3.16	N/A	70 - 130

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

BATCH 23429 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0608534-002B	8/24/06	8/24/06	3/30/06 12:06 AM	0608534-003B	8/24/06	8/24/06	8/27/06 1:49 AM
0608534-004B	8/24/06	8/24/06	8/30/06 9:07 PM	0608534-005B	8/24/06	8/24/06	3/27/06 12:43 AM
0608534-006B	8/28/06	8/24/06	9/05/06 8:06 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