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4:21 pm, Feb 23, 2009

Alameda County
Environmental Health

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

7/12/06
Date



920 First Street, Suite 202
Benicia, California 94510
707 748-3170

December 24, 2008
Project: CA1264-6

Global ID: SL0609503209

Mr. Jerry Wickham
Alameda County Environmental Health Department
1131 Harbor Bay Parkway
Alameda, California
94502-6577

Quarterly Groundwater Monitoring Report
Fourth Quarter 2008
Former Gas Station
2547 East 27th Street
Oakland, California

Dear Mr. Wickham:

Ceres Associates is pleased to present this Fourth Quarter 2008 Quarterly Groundwater Monitoring Report on behalf of Tomorrow Development for the former gasoline fueling and service station at 2547 East 27th Street, Oakland, California (Property; *refer to Figure 1 - Property Location Map*). This report marks the first routine monitoring event since completion of the last event in Fourth Quarter 2007.

Background

The Property is currently undeveloped land with a chain-link fence along the perimeter. The Property is located in an area that is primarily developed with single and multiple family residential buildings, and is located at the southwest corner of the intersection of East 27th Street and 26th Street in Oakland. The Property was accepted for cost reimbursement as a brownfields site by the California Orphan Site Cleanup Account in 2005.

The Property was formerly developed with an automobile fuel and service station between 1927 and 1994. In 1994, one 100-gallon waste oil underground storage tank (UST) and four 500-gallon gasoline USTs were removed from the Property. After the tanks were removed, the excavation pits

were lined with visqueen and backfilled with the soil that was removed from the pit during UST excavating.

Environmental assessment of the Property began in 2002 by Kleinfelder, Inc. Ceres Associates was contracted by Tomorrow Development in 2005 and has conducted the assessment and remediation activities at the Property since that time.

When the USTs were removed in 1994 it appears that the soil used to backfill the excavation had been contaminated with petroleum hydrocarbons. This contaminated backfill material was identified as a potential source of subsurface contamination. A total of approximately 200 cubic yards of contaminated soil was excavated and removed to a state-certified disposal facility from the Property in late 2006 and early 2007. Copies of previous assessments can be found by contacting the Alameda County Environmental Health Department (EHD).

The regulatory risk criteria utilized in this report are the highly conservative Environmental Screening Levels (ESLs) established by the San Francisco Bay Regional Water Quality Control Board (RWQCB) for residential sites where groundwater IS a potential or current drinking water source.

Geology and Hydrogeology

The soils on the Property consist of generally sandy gravel fill from the ground surface to about four feet below ground surface (bgs). From about four to twelve feet bgs, the soil appears to be fat and lean silty clays. Below twelve feet bgs, the soil generally consists of gravel and sand with some clays. Off-site soil types observed during assessment activities are generally consistent with on-site soil types.

Shallow groundwater has been encountered in the monitoring wells placed at and in the vicinity of the Property between approximately three and fourteen feet bgs. Once encountered, groundwater appears to rise to within approximately three to five feet of the ground surface. The variable groundwater elevations across the Property suggest the possibility of a perched groundwater zone. Groundwater flow gradients have historically been to the east-southeast.

Scope of Sampling

Ceres Associates conducted quarterly groundwater sampling activities of six monitoring wells on November 24, 2008: MW-1, MW-2, MW-3, MW-4, MW-5, and EX-1 (*refer to Figure 2 – Fourth Quarter 2008 Groundwater Monitoring Results*). Quarterly monitoring at the site had not been conducted since the Fourth Quarter of 2007 due to potential legal issues. The monitoring for this quarter was conducted due to a request by the Orphan Site Cleanup Account with compliance from Tomorrow Development.



Sampling Process

Ceres Associates measured the depth to groundwater from the top of each well casing (*refer to Appendix for a copy of the Monitoring Well Data Forms*).

As per the approved work plan, Ceres Associates employed a “low-flow technique” to collect groundwater samples at the site. Polyethylene tubing was extended from the surface to the approximate mid-point 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 device. Purge water was removed from the site for proper disposal at an approved facility in Rio Vista, California.

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 device 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. All of 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 requested that the laboratory analyze the groundwater samples for total petroleum hydrocarbons (TPH) as gasoline (TPHg), as diesel (TPHd), as motor oil (TPHmo), and as kerosene (TPHk) using US EPA method 8015C; for benzene, toluene, ethylbenzene, and xylenes (BTEX) using US EPA Method 8021B; and for volatile organic compounds (VOCs) using US EPA Method 8260B. The sampling schematic changed since the 2nd quarterly monitoring event of 2007 in compliance with a request made by the EHD in a letter dated April 26, 2007 (*refer to Appendix – Regulatory Correspondence*). Where analytes overlapped in methods, the higher result was reported herein.

Groundwater Monitoring Results

During the November 2008 monitoring event, depth to groundwater underlying the site ranged from a depth of 3.17 feet bgs in MW-5 to 4.63 feet bgs in EX-1. Correspondingly, the estimated groundwater flow direction has an overall trend toward the southeast, with an estimated hydraulic gradient of 0.029 (*refer to Figure 3 - Groundwater Elevations Contour Map*).

The laboratory reported that all analytes for groundwater collected from MW1, MW2, MW3, , and MW5 were not detected above method detection limits. The only concentrations above method reporting concentrations were found in EX-1, which is located close to where the original source of

groundwater contamination occurred from the gasoline service station underground storage tanks, and MW4, located downgradient of EX-1. The following concentrations were reported in EX-1: TPHg: 220 micrograms per liter ($\mu\text{g} / \text{L}$), TPHd: 170 $\mu\text{g} / \text{L}$, and TPHk: 140 $\mu\text{g} / \text{L}$. The sole detection at MW4 was 58 $\mu\text{g} / \text{L}$ of TPHk. Isoconcentration maps were not generated for this data because there are insufficient data points for contouring).

Discussion

Petroleum Hydrocarbons

TPHg, TPHd, and TPHmo were not detected above laboratory detection limits in samples collected from MW-01, MW-02, MW-03, MW-04, or MW-05. These results are consistent with historical monitoring events. Until this latest round of monitoring, TPHk was not previously analyzed for.

In groundwater monitoring well EX-1, concentrations of TPHg and TPHd have fluctuated over time, while concentrations of TPHmo have been reported above the method detection limit during only one monitoring event (First Quarter 2007), which coincides with the only other TPHmo detection at the site (in MW-1 during the same quarter).

The concentrations of TPHg and TPHd in groundwater monitoring well EX-1 have exceeded the Residential ESL since August 2006. The concentrations of these analytes peaked during First Quarter 2007 Monitoring, reporting 2,200 $\mu\text{g} / \text{L}$ of TPHg and 800 $\mu\text{g} / \text{L}$ of TPHd. The fourth quarter 2008 results for TPHg, TPHd, and TPHk were 220 $\mu\text{g} / \text{L}$, 170 $\mu\text{g} / \text{L}$, and 140 $\mu\text{g} / \text{L}$, respectively. The concentrations of TPHg and TPHd represent a slight drop in concentrations from the fourth quarter 2007 results for TPHg and TPHd (290 $\mu\text{g} / \text{L}$ and 230 $\mu\text{g} / \text{L}$, respectively).

Downgradient of EX-1, TPHg and TPHd concentrations decline to below detection limits, while the TPHk concentration reduces to 58 $\mu\text{g} / \text{L}$, below the ESL of 100 $\mu\text{g} / \text{L}$. The laboratory independently analyzed groundwater samples for this sampling event for TPHk, which had not been analyzed for previous sampling events, so there is no data for which to compare these concentrations.

Volatile Organic Compounds (VOCs)

VOC were analyzed using US EPA method 8260b. VOC analytes were not detected in those samples collected from MW-01, MW-02, MW-03, MW-04, or MW-05. This is consistent with historical monitoring events, except that during the last quarter (3rd Quarter Monitoring, 7/07, MW-03 and MW-04 reported concentrations of toluene at 0.67 $\mu\text{g} / \text{L}$ and 0.66 $\mu\text{g} / \text{L}$, respectively.

The only VOC reported by the laboratory during this quarterly monitoring event was chloroform, a common laboratory contaminant, in MW-02 at a concentration of 25 $\mu\text{g} / \text{L}$.

Benzene has only been reported in one well (EX-1 at 1 µg/L) and in only one quarter (First Quarter 2007). Concentrations of benzene were not reported during the current Fourth Quarter 2008 event above the method reporting limit of 0.5 µg/L.

Conclusions and Recommendations

Concentrations of TPHg, TPHd, and TPHk were detected in groundwater monitoring well EX-1 at concentrations above the residential ESL for these compounds (100 µg/L). With the exception of a residual detection (below ESL) of TPHk in MW4, concentrations of these analytes were not reported in the other monitoring wells, including wells MW3 and MW4 located downgradient of EX-1. These results suggest that the affected groundwater is localized in the area of well EX-1.

Concentrations of TPHg and TPHd in EX-1 have been consistent since July 2007. The laboratory reports that the gasoline is aged and the chromatogram reveals that the reported carbon range is primarily associated with diesel. Volatile constituents of gasoline have not been reported above the ESLs since the well was installed in August 2006. In addition, MW-4, located in a downgradient groundwater flow direction from EX-1, has consistently reported non-detect levels for all chemicals analyzed, except for one reported concentration of toluene (in August 2006) at 0.66 100 µg/L and the current detection of TPHk at 58 ug/L.

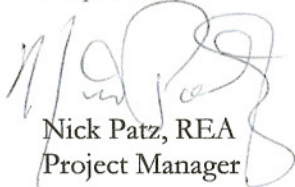
Based on the above information, Ceres Associates recommends that the site be considered for case closure and the monitoring wells be removed prior to funding expiration in April 2009.

Limitations

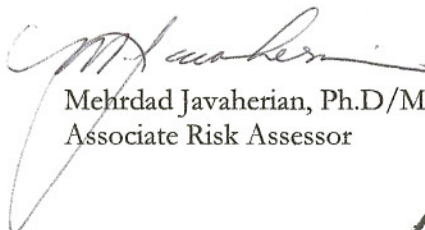
This report was prepared according to accepted industry standards and guidelines for similar activities conducted in this geographic region at this time. Any data supplied by others is not the responsibility of Ceres Associates.


If you have questions regarding this project please contact Nick Patz at (707) 748-3170 or via email at nickpatz@ceresassociates.com.

Prepared by:


Nick Patz, REA
Project Manager

Reviewed by:

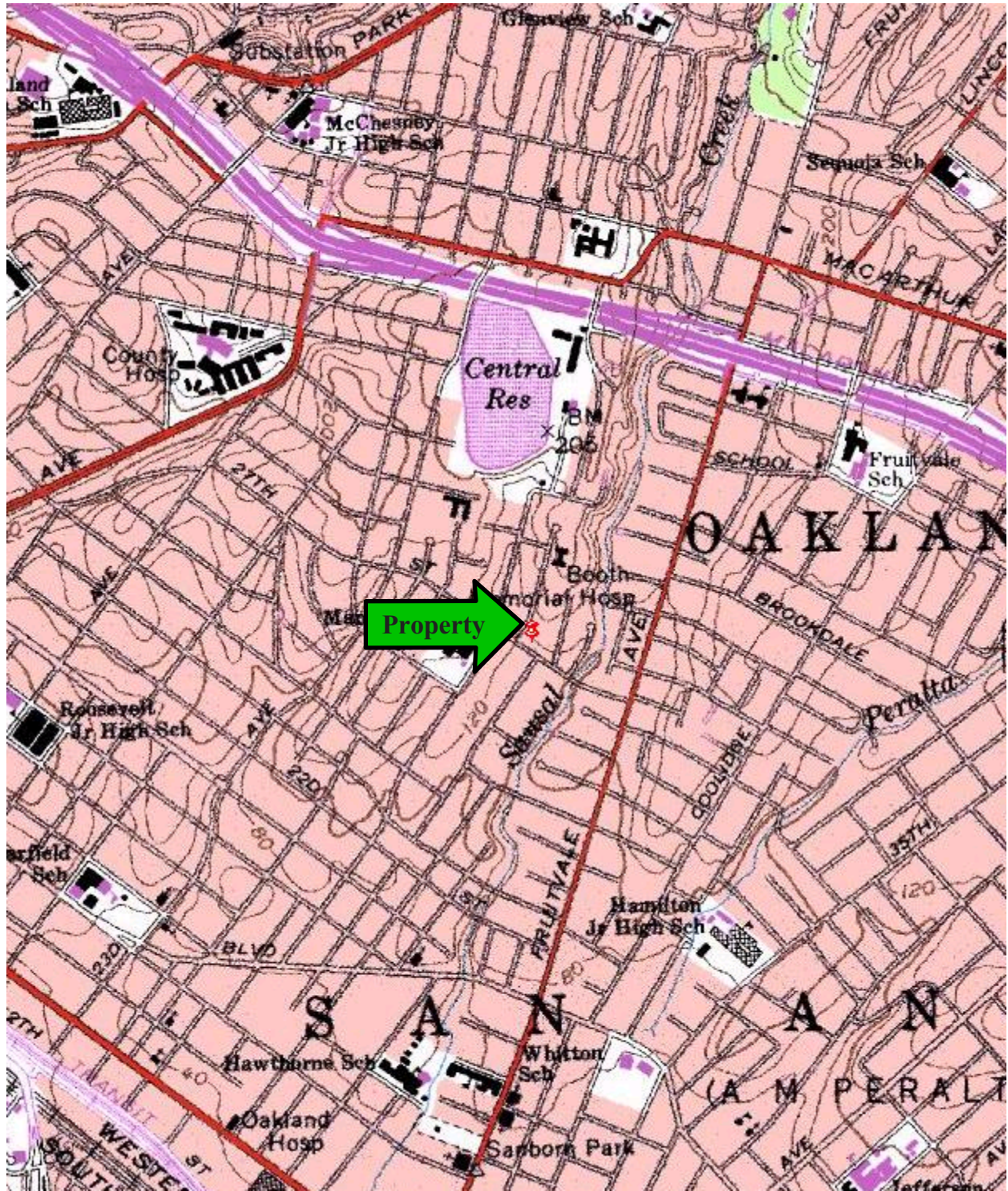

Mehrdad Javaherian, Ph.D/MPH(candidate)
Associate Risk Assessor


Mitra Javaherian, PE
Associate Engineer



Cc: Ted Dang
Tomorrow Development
1939 Harrison Street, #418
Oakland, California





1 inch equals 2000 feet

Map Taken From:
 United States Geological Survey
 7.5 Minute Topographic Series
 Oakland East, California Quadrangle



Project CA1264-7

Former Gasoline Station
 2547 East 27th Street
 Oakland, California

TOPOGRAPHIC MAP

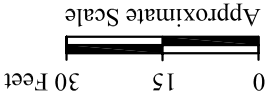
**FIGURE
 1**

**FOURTH QUARTER 2008
GROUNDWATER
MONITORING**

Figure:

Project CA1264-6 Date: January 5, 2009

FORMER GAS STATION
254 EAST 27TH STREET
Oakland, California



Approximate location of monitoring well
 Total Petroleum Hydrocarbons as gasoline
 Total Petroleum Hydrocarbons as motor oil
 Total Petroleum Hydrocarbons as kerosene
 Volatile Organic Compounds
 ND Concentration below method reporting limits
 All concentrations are reported in micrograms per liter (µg/L)

EXPLANATION

TPHg	ND
TPHd	ND
TPHmo	ND
VOCs	ND

TPHg	ND
TPHd	ND
TPHmo	ND
TPHK	58
VOCs	ND

TPHg	220
TPHd	170
TPHmo	ND
TPHK	140
VOCs	ND

TPHg	ND
TPHd	ND
TPHmo	ND
VOCs	ND

TPHg	ND
TPHd	ND
TPHmo	ND
VOCs	ND

TPHg	ND
TPHd	ND
TPHmo	ND
VOCs	ND

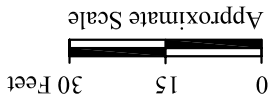


GROUNDWATER ELEVATIONS CONTOUR MAP

Figure:

Project CA1264-6 Date: January 6, 2009

FORMER GAS STATION
254 EAST 27TH STREET
Oakland, California

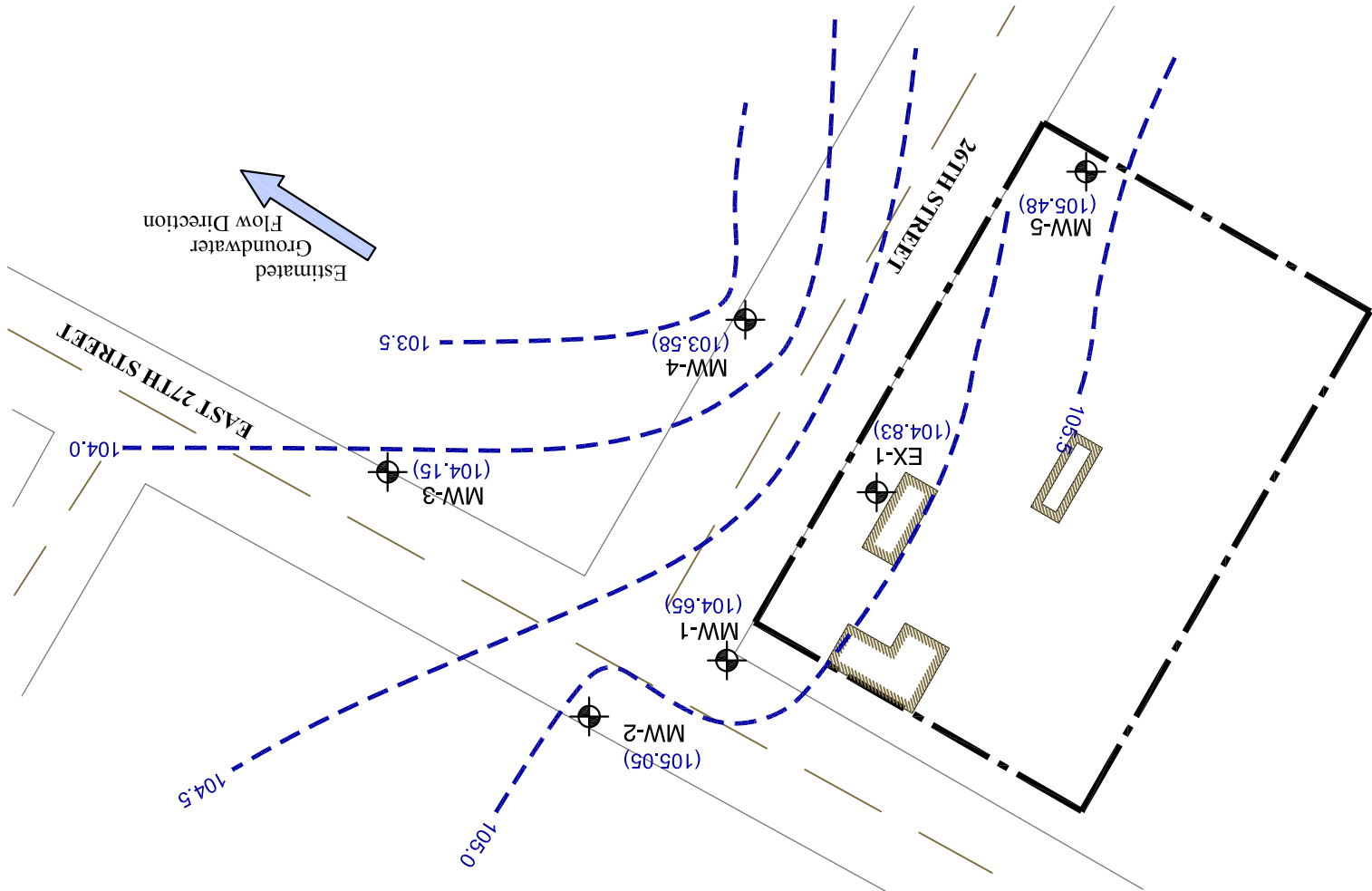


Groundwater elevation contour (feet above mean sea level)
Groundwater elevation (feet above mean sea level)

Approximate location of monitoring well

Property Boundary

EXPLANATION



Estimated
Groundwater
Flow Direction

EAST 27TH STREET

26TH STREET

103.5

MW-4
(103.58)

104.0

MW-3
(104.15)

EX-1
(104.83)

MW-1
(104.65)

104.5

MW-2
(105.05)

105.0

MW-5
(105.48)

105.5

105.5

(104.65)

TABLE 1
Quarterly Groundwater Monitoring Data and Results

Site: 2547 East 27th Street, Oakland, California

Well (TOC)	Sample Date	Depth to Groundwater (ft)	Groundwater Elevation (ft amsl)	TPHg	TPHd	TPHmo	THPk	Benzene*	Toluene*	Ethylbenzene*	Xylenes*	MTBE
<i>Concentrations reported as micrograms per Liter (µg/L)</i>												
<i>ESL (Table F-1a): Groundwater IS a current or potential source of drinking water</i>				100	100	100	100	1	40	30	20	5
<i>ESL (Table E-1a): Potential Vapor Intrusion; High Permeability Soils, Residential Use</i>				use soil gas	use soil gas	use soil gas	use soil gas	540	380,000	170,000	160,000	24,000
MW-1 108.75	8/24/06	4.63	104.12	ND	ND	NA	NA	ND	ND	ND	ND	ND
	11/17/06	4.50	104.25	ND	ND	ND	NA	ND	ND	ND	ND	ND
	1/30/07	4.14	104.61	ND	78	280	NA	ND	ND	ND	ND	ND
	4/30/07	4.04	104.71	ND	ND	ND	NA	ND	ND	ND	ND	ND
	7/24/07	4.16	104.59	ND	ND	ND	NA	ND	0.5	ND	ND	ND
	10/1/07	4.19	104.56	ND	ND	ND	NA	ND	ND	ND	ND	ND
	11/25/08	4.10	104.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-2 109.55	8/24/06	4.26	105.29	ND	78	NA	NA	ND	ND	0.65	1.5	ND
	11/17/06	4.16	105.39	ND	ND	ND	NA	ND	ND	0.8	1.8	ND
	1/30/07	4.29	105.26	ND	ND	ND	NA	ND	ND	1	2	ND
	4/30/07	4.53	105.02	ND	60	ND	NA	ND	ND	ND	ND	ND
	7/24/07	4.50	105.05	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/1/07	4.37	105.18	ND	ND	ND	NA	ND	ND	ND	ND	ND
	11/25/08	4.50	105.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3 108.4	8/24/06	4.40	104.00	ND	ND	NA	NA	ND	ND	ND	ND	ND
	11/17/06	3.92	104.48	ND	ND	ND	NA	ND	ND	ND	ND	ND
	1/30/07	4.30	104.10	ND	ND	ND	NA	ND	ND	ND	ND	ND
	4/30/07	4.22	104.18	ND	ND	ND	NA	ND	ND	ND	ND	ND
	7/24/07	4.40	104.00	ND	ND	ND	NA	ND	0.67	ND	ND	ND
	10/1/07	4.50	103.90	ND	ND	ND	NA	ND	ND	ND	ND	ND
	11/25/08	4.25	104.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-4 107.89	8/24/06	4.87	103.02	ND	ND	NA	NA	ND	ND	ND	ND	ND
	11/17/06	3.75	104.14	ND	ND	ND	NA	ND	ND	ND	ND	ND
	1/30/07	3.82	104.07	ND	ND	ND	NA	ND	ND	ND	ND	ND
	4/30/07	4.50	103.39	ND	ND	ND	NA	ND	ND	ND	ND	ND
	7/24/07	4.27	103.62	ND	ND	ND	NA	ND	0.66	ND	ND	ND
	10/1/07	3.92	103.97	ND	ND	ND	NA	ND	ND	ND	ND	ND
	11/25/08	4.31	103.58	ND	ND	ND	58	ND	ND	ND	ND	ND
MW-5 108.65	8/24/06	5.00	103.65	ND	ND	NA	NA	ND	ND	ND	ND	ND
	11/17/06	3.30	105.35	ND	ND	ND	NA	ND	ND	ND	ND	ND
	1/30/07	3.22	105.43	ND	ND	ND	NA	ND	ND	ND	ND	ND
	4/30/07	3.20	105.45	ND	ND	ND	NA	ND	ND	ND	ND	ND
	7/24/07	3.37	105.28	ND	ND	ND	NA	ND	ND	ND	ND	ND
	10/1/07	3.27	105.38	ND	ND	ND	NA	ND	ND	ND	ND	ND
	11/25/08	3.17	105.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
EX-1 109.46	8/24/06	4.84	104.62	460	220	NA	NA	ND	ND	ND	ND	ND
	11/17/06	4.38	105.08	270	130	ND	NA	ND	ND	ND	1.9	ND
	1/30/07	4.00	105.46	2,200	800	270	NA	1	ND	3.9	3.2	ND<10
	4/30/07	4.20	105.26	1,000	740	ND	NA	ND	ND	1.7	2.4	ND
	7/24/07	4.41	105.05	210	170	ND	NA	ND	ND	ND	ND	ND
	10/1/07	4.69	104.77	290	230	ND	NA	ND	ND	ND	0.7	ND
	11/25/08	4.63	104.83	220	170	ND	140	ND	ND	ND	ND	ND

Abbreviations and Notes

- µg/L micrograms per Liter
- TOC elevation of well at the top of the casing, in feet above mean sea level
- TPHg total petroleum hydrocarbons as gasoline using US EPA method 8015C
- TPHd total petroleum hydrocarbons as diesel using US EPA method 8015C
- TPHmo total petroleum hydrocarbons as motor oil using US EPA method 8015C
- THPk total petroleum hydrocarbons as kerosene using US EPA method 8015C
- MTBE methyl tertiary butyl ether using US EPA method 8260B and/or 8021B
- * benzene, toluene, ethylbenzene, and xylenes were analyzed by US EPA method 8021B and 8260B (only the highest concentration was reported here)
- ESL Environmental Screening Limit, published by San Francisco Bay Regional Water Quality Control Board
- NA not analyzed
- ND not detected below the method reporting limit
- ND < X not detected below an increased method reporting limit (see lab sheets for further details)
- NE not yet an established value
- NS not sampled



Lab: **McC Campbell Analytical, Inc.**
 1534 Willow Pass Road, Pittsburg, California
 94565, (925) 798-1620/ Fax (925) 798-1622

Chain of Custody Form
 Turn around time: Standard EDF Required?: No
 Notes: Send questions to Andrew Romolo Page 1 of 1

Report to: Nick Patz Bill To: Same
 Company: Ceres Associates
 920 First Street, Suite 202
 Benicia, CA 94510 E-Mail: nickpatz@ceresassociates.com
 Phone: (707) 748-3170 Fax: (707) 745-6320
 Project#: CA1264-7 Project Name: Tomorrow Developme
 Location: 2547 E. 27th Street, Oakland, CA
 Sampler Signature:

Analysis Request

Sample ID	Date	Time	# Containers	Matrix	Preservation Method	BTEX & TPHgas (602/8021 + 8015)	MTBE/ETEX ONLY (602/8021)	TPHdiesel/motor oil/kerosene (8015)	Total Petroleum O&G (1664/ 5220)	TPH diesel (8015)	5 OXYs (MTBE/TBA/DIPE/EBE/TAME)	EPA 608/ 8082 PCBs ONLY	EPA 524.4/ 624/ 8260 (VOCs) w/ oxygenate	EPA 502.2/ 601/ 8010/ 8021 (HVOCs)	EPA 505/ 608/ 8081 (CL Pesticides)	EPA 07/ 8141 (NP Pesticides)	CAM 17 Metals	LUFT 5 Metals	Nitrate & Nitrite	Sulfate & Sulfide	Bicarbonate Alkalinity	Ferrous Iron (equivalent)	Total Dissolved Solids	General Minerals	Bromate & Bromide	Comments	
MW-1	11-25-08	1155	5	GW	HCL	X		X		X			X														Filter Samples for Metals analysis?
MW-2	I	1355	4	GW	I	X		X		X			X														
MW-3		1225	5	GW		X		X		X			X														
MW-4		1255	5	GW		X		X		X			X														
MW-5		1100	5	GW		X		X		X			X														
EX-1	I	1330	5	GW	I	X		X		X			X														

Relinquished by: Received by: EnviroTech
 Date/Time 11/26/08 1545 Date/Time 11/26/08 3:45pm
 Relinquished by: Received by:
 Date/Time Date/Time
 Relinquished by: Received by:
 Date/Time Date/Time
 Comments: Icc/° 6.8
 Good Condition
 Head Space Absent
 Dechlorinated in Lab
 Appropriate Containers
 Preserved in Lab



Equipment Calibration Log

Equipment make/model	Equipment ID/serial number	Date	Time	Calibration Standards	Equipment Reading	Equipment Calibrated	Temp (°C/°F)	Tech init.	Comments
YSI 556		11-25-08		pH 4.0 7.0 10.0	4.0 6.9 10.0	Y	14.7°	JK	
				Concl 1413	1410	Y	14.5°		
				o.o. 100%	100%	Y	17.0°		
				o.p 244	244	Y	15.0°		

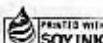
Notes/comments:

NON-HAZARDOUS WASTE MANIFEST

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

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.	2. Page 1 of 1
3. Generator's Name and Mailing Address <i>Former Gasoline Station 2547 East 27th Street Oakland, CA</i>					
4. Generator's Phone ()					
5. Transporter 1 Company Name <i>Confluence Env</i>		6. US EPA ID Number		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone <i>916-760-7641</i>	
9. Designated Facility Name and Site Address <i>Instrat 1105 Airport Rd. Rio Vista, CA</i>		10. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone <i>707-374-3834</i>	
11. WASTE DESCRIPTION			12. Containers		13. Total Quantity
			No.	Type	14. Unit Wt./Vol.
a. <i>Non-Haz Purge Water</i>			<i>1</i>	<i>Poly</i>	<i>5 gal</i>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name				Signature	
Date					
Month Day Year					
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>Josh Kerns</i>				Signature <i>[Signature]</i>	
Date					
Month Day Year				<i>11 25 09</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name <i>J</i>				Signature	
Date					
Month Day Year					
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name				Signature	
Date					
Month Day Year					

NON-HAZARDOUS WASTE



Well Maintenance Inspection Form

Client: Ceres

Site: 2547 E. 27th - Oakland

Date: 11-25-08

Job #: K1-081125

Technician: J. Kerns

Page 1 of 1

Inspection Point	Well Inspected - No Corrective Action Required	Entry Indicates Deficiency										Well Not Inspected (explain in notes)	Notes (Note any repairs made while on site)			
		Cap non-functional	Lock non-functional	Lock missing	Bolts missing (# missing / # total tabs)	Tabs stripped (# stripped / # total tabs)	Tabs broken (# broken / # of total tabs)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard			Below Grade	Other (explain in notes)	
MW-1			X		2 2	2 2	/									
MW-2			X		1 2	1 2	/									
MW-3			X		/	1 2	1 2									
MW-4				X	/	/	/									(Bailed water from Box)
MW-5			X		/	2 2	/									
EX-1			X		/	/	/									
					/	/	/									
					/	/	/									
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					/	/	/									

Notes: Gate open upon arrival. Closed gate @ departure (no lock)



Repair codes: rt=retap/ bolts added or replaced as=annular seal repair.

Water Level Measurements

Job Number: KI-081125 Date: 11-25-08 Client: Ceres

Site: 2547 East 27th, Oakland

Well I.D.	Time	Dia	Depth to NAPL	Thickness of NAPL	Depth to water (DTW)	Total Depth (measured)	Total Depth (historical)	Ref Point (TOC/TOB)	C-D
MW-1	0957	2"			4.10	12.70	—	TOC	5
MW-2	0955 0953	2"			4.50 4.25	6.47 14.70	—		?
MW-3	0953	2"			4.25	14.10			5
MW-4	0950	2"			4.31 4.64	14.73	—		5
MW-5	0947	2"			3.17✓ 2.93	14.63	—		NO
EX-1	1000	4"			4.63	14.81	—		6



ID#: MW-1

Quarter 4Q08 Date 11-25-08 Sampler J. Kerns

Well Details		Sampling Details	
Depth to Water (initial)	4.10	Start Time	1144
Well Diameter	2 inch	Stop Time	1206
Well Depth	12.30	Pump Rate	250 ml / min *
Screened Interval		Notes	
Pumping Point	14.5'	Analysis	BTEX/TPHg & VOCs, TPH-D & MO

Water Quality Data							
Time	Depth	Temp (C)	Cond (mS/cm)	DO (mg/L)	pH (units)	ORP	Turb
1145	4.57	20.8	Ø.888	1.7	8.2	104	9.4
1146	4.60	21.1	Ø.902	1.2	8.6 [✓]	97	5.0
1147	4.65	21.1	Ø.895	1.2	8.8 [✓]	95	5.6
1147	Reduced purge rate to			200 ml/min		—	—
1148	4.65	21.3	Ø.891	1.0	8.8 [✓]	91	4.6
1149	4.65	21.3	Ø.890	1.0	8.9 [✓]	89	5.2
1150	4.65	21.3	Ø.890	Ø.9	8.8 [✓]	87	6.0
1151	4.65	21.3	Ø.889	Ø.9	8.8	85	6.0
1152	4.65	21.2	Ø.889	Ø.9	8.8	84	5.6
1155	collect sample			—	—	—	—

Notes:



ID#: MW-2

Quarter 4Q08 Date 11-25-08 Sampler J. Kerns

Well Details		Sampling Details	
Depth to Water (initial)	4.50	Start Time	1126
Well Diameter	2 inch	Stop Time	1132
Well Depth	6.47	Pump Rate	200 ml/min
Screened Interval		Notes	
Pumping Point	6.36	Analysis	BTEX/TPHg & VOCs, TPH-D & MO

Water Quality Data							
Time	Depth	Temp (C)	Cond (mS/cm)	DO (mg/L)	pH (units)	ORP	Turb
1128	4.97	18.4	Ø.185	5.7	9.9 [✓]	91	>1000
1129	5.97	18.7	Ø.157	5.4	10.0 [✓]	84	>1000
1130	6.00	18.7	Ø.157	5.2	10.0 [✓]	79	>1000
1131	6.23	18.8	Ø.152	5.4	10.0 [✓]	76	>1000
1132	well	dewatered	—	DTW = 6.30	30	—	—
1348	DTW	= 4.50	—	—	—	—	—
1350	collect	sample	—	—	—	—	—
1355	—	18.9	Ø.197	6.0	10.0	43	42

Notes:



ID#: MW-3

Quarter 4Q08 Date 11-25-08 Sampler J. Kerns

Well Details		Sampling Details	
Depth to Water (initial)	4.25	Start Time	12:15
Well Diameter	2 inch	Stop Time	12:25
Well Depth	14.10	Pump Rate	200 ml/min
Screened Interval		Notes	
Pumping Point	16.5'	Analysis	BTEX/TPHg & VOCs, TPH-D & MO

Water Quality Data							
Time	Depth	Temp (C)	Cond (mS/cm)	DO (mg/L)	pH (units)	ORP	Turb
1217	4.31	19.4	1.184	2.6	6.6	126	39
1218	4.32	19.5	1.192	1.9	6.6	124	38
1219	4.34	19.5	1.196	1.8	6.6	122	40
1220	4.33	19.5	1.200	1.7	6.6	122	42
1221	4.33	19.5	1.203	1.6	6.6	120	42
1222	4.32	19.6	1.206	1.6	6.6	119	38
1225	Collect Sample			—	—	—	—

Notes:



ID#: MW-4

Quarter 4Q08 Date 11-25-08 Sampler J. Kerns

Well Details		Sampling Details	
Depth to Water (initial)	4.31	Start Time	1246
Well Diameter	2 inch	Stop Time	1315
Well Depth	14.73	Pump Rate	200 ml/min
Screened Interval		Notes	
Pumping Point	17.00'	Analysis	BTEX/TPHg & VOCs, TPH-D & MO

Time	Depth	Temp (C)	Water Quality Data				ORP	Turb
			Cond (mS/cm)	DO (mg/L)	pH (units)			
1248	4.48	19.1	Ø.916	2.1	6.5	106	1.3	
1249	4.61	19.2	Ø.913	Ø.8	6.5	103	7.0	
1250	4.70	19.2	Ø.911	Ø.6	6.5	101	5.0	
1251	4.79	19.2	Ø.911	Ø.5	6.5	98.3	4.8	
1252	4.81	19.2	Ø.910	Ø.5	6.4	96.4	4.0	
1253	4.80	19.2	Ø.910	Ø.5	6.4	94.9	4.1	
1254	4.80	19.2	Ø.911	Ø.5	6.4	94.4	4.1	
1255	collect	Sample		—	—	—	—	

Notes:



ID#: MW-5

Quarter 4Q08 Date 11-25-08 Sampler J. Keim

Well Details		Sampling Details	
Depth to Water (initial)	2.93 3.17	Start Time	1046
Well Diameter	2 inch	Stop Time	1120
Well Depth	14.62	Pump Rate	400 ml/min *
Screened Interval		Notes	
Pumping Point	13'	Analysis	BTEX/TPHg & VOCs, TPH-D & MO

Water Quality Data							
Time	Depth	Temp (C)	Cond (mS/cm)	DO (mg/L)	pH (units)	ORP	Turb
1047	4.70	18.2	Ø.883	1.7	6.3	210	45
1048	4.90	18.4	Ø.883	1.1	6.3	202	41
1050	5.10	18.5	Ø.879	1.1	6.3	202	30
1051	Reduced purge Rate to			200 ml/min			
1052	4.98	18.6	Ø.878	1.1	6.4	195	30
1053	4.92	18.5	Ø.882	1.0	6.3	193	27
1054	4.90	18.4	Ø.883	1.0	6.3	193	27
1055	4.89	18.5	Ø.883	1.0	6.3	192	26
1100	collected sample -						

Notes:



ID#: EX-1

Quarter 4Q08 Date 11-25-08 Sampler J. Kerns

Well Details		Sampling Details	
Depth to Water (initial)	4.63	Start Time	1319
Well Diameter	4 2/8 inch	Stop Time	1342
Well Depth	14.81	Pump Rate	300 ml/min
Screened Interval		Notes	
Pumping Point	17.00'	Analysis	BTEX/TPHg & VOCs, TPH-D & MO

Water Quality Data							
Time	Depth	Temp (C)	Cond (mS/cm)	DO (mg/L)	pH (units)	ORP	Turb
1320	4.63	19.9	0.835	1.7	6.8	-84.2	8.1
1321	4.70	19.9	0.836	0.7	6.8	-109	11
1322	4.74	20.0	0.834	0.4	6.8	-124	11
1323	4.84	20.0	0.834	0.4	6.8	-128	4.6
1324	Reduced purge rate to 200 ml/min						
1325	4.86	20.1	0.834	0.4	6.8	-131	4.8
1326	4.86	20.1	0.835	0.4	6.8	-131	4.5
1327	4.86	20.1	0.835	0.4	6.8	-128	7.0
1330	Collect	Sample					

Notes:



McC Campbell Analytical, Inc.

"When Quality Counts"

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

Ceres Associates 920 First Street, Ste. 202 Benicia, CA 94510	Client Project ID: # CA1264-7;Tomorrow Development	Date Sampled: 11/25/08
	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Reported: 12/05/08
		Date Completed: 12/05/08

WorkOrder: 0811856

December 05, 2008

Dear Nick:

Enclosed within are:

- 1) The results of the **6** analyzed samples from your project: **# CA1264-7;Tomorrow Development,**
- 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

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.



Lab: **McCampbell Analytical, Inc.**
 1534 Willow Pass Road, Pittsburg, California
 94565, (925) 798-1620 / fax (925) 798-1622

0818510

Chain of Custody Form
 EDF Required?: No

Turn around time: Standard

Notes: Send questions to Andrew Romolo Page 1 of 1

Report to: Nick Patz Bill To: Same
 Company: Ceres Associates
 920 First Street, Suite 202
 Benicia, CA 94510 E-Mail: nickpatz@ceressociates.com
 Phone: (707) 748-3170 Fax: (707) 745-6320
 Project#: CA1264-7 Project Name: Tomorrow Developme
 Location: 2547 E. 27th Street, Oakland, CA
 Sampler Signature: *[Signature]*

Analysis Request

Sample ID	Date	Time	# Containers	Matrix	Preservation Method	BTEX & TPH gas (602/8021 + 8015)	MTBE/BTEX ONLY (602/8021)	TPH diesel/motor oil/kerosene (8015)	Total Petroleum O&G (1664/ 5220)	TPH diesel (8015)	5 OXYs (MTBE,/TBA,/DIPE,/EPE,/TAME)	EPA 608/ 8082 PCBs ONLY	EPA 524.4/ 624/ 8260 (VOCs) w/oxygenate	EPA 502.2/ 601/ 8010/ 8021 (HIVOCs)	EPA 505/ 608/ 8081 (CL Pesticides)	EPA 07/ 8141 (NP Pesticides)	CAM 17 Metals	LUFT 5 Metals	Nitrate & Nitrite	Sulfate & Sulfide	Bicarbonate Alkalinity	Ferrous Iron (equivalent)	Total Dissolved Solids	General Minerals	Bromate & Bromide	
MW-1	11-25-08	1155	5	GW	HCL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-2	I	1355	4	GW	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-3	I	1225	5	GW	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-4	I	1255	5	GW	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW-5	I	1100	5	GW	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EX-1	I	1220	5	GW	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Comments
 Filter Samples for Metals analysis?

Relinquished by: *[Signature]* Received by: *[Signature]* EnviroTech
 Date/Time 11/26/08 1545 Date/Time 11/26/08 3:45pm
 Relinquished by: *[Signature]* Received by: *[Signature]* Enviro-tech SR
 Date/Time 11/26/08 4:10pm Date/Time 11/26/08 1940
 Relinquished by: *[Signature]* Received by: *[Signature]*
 Date/Time 11/26/08 1940 Date/Time 11/26/08 1940

Ice/t° 5.8
 Comments:
 Good Condition
 Head Space Absent
 Dechlorinated in Lab
 Appropriate Containers
 Preserved in Lab
 ICE / t° 5.8
 GOOD CONDITION APPROPRIATE CONTAINERS
 HEAD SPACE ABSENT PRESERVED IN LAB
 DECHLORINATED IN LAB
 PRESERVATION VOAS O & G METALS OTHER

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0811856

ClientCode: CAB

WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to: Nick Patz
 Ceres Associates
 920 First Street, Ste. 202
 Benicia, CA 94510
 (530) 554-1465 FAX (530) 792-7168

Email: nickpatz@ceresassociates.com
 cc:
 PO:
 ProjectNo: # CA1264-7;Tomorrow Development

Bill to: Accounts Payable
 Ceres Associates
 920 First Street, Ste. 202
 Benicia, CA 94510
 SEND HARDCOPY

Requested TAT: **5 days**
 Date Received: **11/26/2008**
 Date Printed: **12/03/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0811856-001	MW-1	Water	11/25/2008 11:55	<input type="checkbox"/>	C	A	B										
0811856-002	MW-2	Water	11/25/2008 13:55	<input type="checkbox"/>	C	A	B										
0811856-003	MW-3	Water	11/25/2008 12:25	<input type="checkbox"/>	C	A	B										
0811856-004	MW-4	Water	11/25/2008 12:55	<input type="checkbox"/>	C	A	B										
0811856-005	MW-5	Water	11/25/2008 11:00	<input type="checkbox"/>	C	A	B										
0811856-006	EX-1	Water	11/25/2008 13:30	<input type="checkbox"/>	C	A	B										

Test Legend:

1	8260B_W	2	G-MBTEX_W	3	TPH(DMO)_W	4		5	
6		7		8		9		10	
11		12							

Prepared by: Kimberly Burks

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.



Sample Receipt Checklist

Client Name: **Ceres Associates** Date and Time Received: **11/26/2008 7:50:19 PM**
Project Name: **# CA1264-7; Tomorrow Development** Checklist completed and reviewed by: **Kimberly Burks**
WorkOrder N°: **0811856** Matrix Water Carrier: EnviroTech

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes No
Container/Temp Blank temperature Cooler Temp: 5.8°C NA
Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
Sample labels checked for correct preservation? Yes No
TTLC Metal - pH acceptable upon receipt (pH<2)? Yes No NA
Samples Received on Ice? Yes No

(Ice Type: WET ICE)

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

Client contacted: Date contacted: Contacted by:

Comments:



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

Ceres Associates 920 First Street, Ste. 202 Benicia, CA 94510	Client Project ID: # CA1264-7; Tomorrow Development	Date Sampled: 11/25/08
	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Extracted: 12/04/08
		Date Analyzed: 12/04/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0811856

Lab ID	0811856-001C
Client ID	MW-1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	99	%SS2:	88
%SS3:	73		

Comments:

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

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

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



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Ceres Associates 920 First Street, Ste. 202 Benicia, CA 94510	Client Project ID: # CA1264-7; Tomorrow Development	Date Sampled: 11/25/08
	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Extracted: 12/04/08
		Date Analyzed: 12/04/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0811856

Lab ID	0811856-002C
Client ID	MW-2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	27	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	100	%SS2:	89
%SS3:	73		

Comments:

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

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

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



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Ceres Associates 920 First Street, Ste. 202 Benicia, CA 94510	Client Project ID: # CA1264-7; Tomorrow Development	Date Sampled: 11/25/08
	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Extracted: 12/04/08
		Date Analyzed: 12/04/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0811856

Lab ID	0811856-003C
Client ID	MW-3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	99	%SS2:	88
%SS3:	70		

Comments:

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

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

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



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	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Extracted: 12/04/08
		Date Analyzed: 12/04/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0811856

Lab ID	0811856-004C
Client ID	MW-4
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	89	%SS2:	85
%SS3:	79		

Comments:

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

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

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



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Ceres Associates 920 First Street, Ste. 202 Benicia, CA 94510	Client Project ID: # CA1264-7; Tomorrow Development	Date Sampled: 11/25/08
	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Extracted: 12/04/08
		Date Analyzed: 12/04/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0811856

Lab ID	0811856-005C
Client ID	MW-5
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	87	%SS2:	84
%SS3:	79		

Comments:

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

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

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



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	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Extracted: 12/04/08
		Date Analyzed: 12/04/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0811856

Lab ID	0811856-006C
Client ID	EX-1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,1,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	86	%SS2:	79
%SS3:	112		

Comments:

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

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

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



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Ceres Associates 920 First Street, Ste. 202 Benicia, CA 94510	Client Project ID: # CA1264-7; Tomorrow Development	Date Sampled: 11/25/08
	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Extracted: 12/03/08-12/04/08
		Date Analyzed 12/03/08-12/04/08

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

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0811856

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	---	ND	ND	ND	ND	1	94
002A	MW-2	W	ND	---	ND	ND	ND	ND	1	94
003A	MW-3	W	ND	---	ND	ND	ND	ND	1	96
004A	MW-4	W	ND	---	ND	ND	ND	ND	1	93
005A	MW-5	W	ND	---	ND	ND	ND	ND	1	95
006A	EX-1	W	220,d7	---	ND	ND	ND	ND	1	94

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5	0.5	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	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 McC Campbell Analytical is not responsible for their interpretation:

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



McC Campbell Analytical, Inc.

"When Quality Counts"

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Ceres Associates 920 First Street, Ste. 202 Benicia, CA 94510	Client Project ID: # CA1264-7; Tomorrow Development	Date Sampled: 11/25/08
	Client Contact: Nick Patz	Date Received: 11/26/08
	Client P.O.:	Date Analyzed 12/02/08-12/03/08
		Date Extracted: 11/26/08

Total Extractable Petroleum Hydrocarbons*

Extraction method SW3510C

Analytical methods SW8015B

Work Order: 0811856

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	TPH-Kerosene (C9-C18)	DF	% SS
001B	MW-1	W	ND	ND	ND	1	111
002B	MW-2	W	ND	ND	ND	1	112
003B	MW-3	W	ND	ND	ND	1	112
004B	MW-4	W	ND	ND	58	1	110
005B	MW-5	W	ND	ND	ND	1	113
006B	EX-1	W	170,e11	ND	140	1	114

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

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

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

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

e11) stoddard solvent/mineral spirit (?)



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 39964

WorkOrder: 0811856

EPA Method SW8260B		Extraction SW5030B							Spiked Sample ID: 0811856-006c			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	105	95.8	9.02	81.4	88.9	8.85	70 - 130	30	70 - 130	30
Benzene	ND	10	121	111	8.96	103	107	3.89	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	105	95.4	9.90	73.4	88.7	19.0	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	107	97.5	9.76	98.3	98.7	0.459	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	112	104	6.98	97	105	7.86	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	123	112	9.70	92.6	99.7	7.43	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	112	101	10.4	80.7	84.5	4.60	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	121	110	9.92	95.3	102	6.39	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	128	117	9.56	106	115	8.14	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	115	105	9.25	91.1	99.8	9.07	70 - 130	30	70 - 130	30
Toluene	ND	10	123	113	8.76	110	111	0.476	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	110	103	6.47	98.8	101	2.43	70 - 130	30	70 - 130	30
%SS1:	86	25	99	98	1.91	84	87	4.15	70 - 130	30	70 - 130	30
%SS2:	79	25	87	86	0.539	84	83	1.55	70 - 130	30	70 - 130	30
%SS3:	112	2.5	73	70	3.49	86	83	3.37	70 - 130	30	70 - 130	30

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

BATCH 39964 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811856-001C	11/25/08 11:55 AM	12/04/08	12/04/08 5:12 AM	0811856-002C	11/25/08 1:55 PM	12/04/08	12/04/08 5:55 AM
0811856-003C	11/25/08 12:25 PM	12/04/08	12/04/08 6:38 AM	0811856-004C	11/25/08 12:55 PM	12/04/08	12/04/08 4:38 AM
0811856-005C	11/25/08 11:00 AM	12/04/08	12/04/08 5:17 AM	0811856-006C	11/25/08 1:30 PM	12/04/08	12/04/08 5:56 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.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 39963

WorkOrder 0811856

EPA Method SW8021B/8015Cm		Extraction SW5030B							Spiked Sample ID: 0811851-010A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex) ^f	ND	60	95.2	79.5	17.9	95.6	93.3	2.42	70 - 130	20	70 - 130	20
MTBE	ND	10	109	113	3.84	106	98.4	7.65	70 - 130	20	70 - 130	20
Benzene	ND	10	102	99.5	2.86	104	104	0	70 - 130	20	70 - 130	20
Toluene	ND	10	91	89.9	1.23	92.6	92.9	0.336	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	101	97.7	2.92	102	103	0.784	70 - 130	20	70 - 130	20
Xylenes	ND	30	97.4	96.9	0.493	98	99.2	1.21	70 - 130	20	70 - 130	20
%SS:	95	10	100	98	2.57	100	101	0.764	70 - 130	20	70 - 130	20

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

BATCH 39963 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811856-001A	11/25/08 11:55 AM	12/03/08	12/03/08 6:38 PM	0811856-002A	11/25/08 1:55 PM	12/03/08	12/03/08 7:11 PM
0811856-003A	11/25/08 12:25 PM	12/03/08	12/03/08 7:44 PM	0811856-004A	11/25/08 12:55 PM	12/03/08	12/03/08 8:17 PM
0811856-005A	11/25/08 11:00 AM	12/03/08	12/03/08 8:51 PM	0811856-006A	11/25/08 1:30 PM	12/04/08	12/04/08 12:09 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, or inconsistency in sample containers.



QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water

QC Matrix: Water

BatchID: 39956

WorkOrder 0811856

EPA Method SW8015B		Extraction SW3510C							Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	99.8	99.5	0.327	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	101	100	0.505	N/A	N/A	70 - 130	30

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

BATCH 39956 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0811856-001B	11/25/08 11:55 AM	11/26/08	12/02/08 1:26 PM	0811856-002B	11/25/08 1:55 PM	11/26/08	12/02/08 2:33 PM
0811856-003B	11/25/08 12:25 PM	11/26/08	12/02/08 6:58 PM	0811856-004B	11/25/08 12:55 PM	11/26/08	12/02/08 8:05 PM
0811856-005B	11/25/08 11:00 AM	11/26/08	12/03/08 12:30 AM	0811856-006B	11/25/08 1:30 PM	11/26/08	12/03/08 1:36 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.