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March 25, 2009

2:51 pm, Mar 26, 2009

Alameda County
Environmental Health

Mr. Steven Plunkett
Hazardous Materials Specialist
Alameda County Health Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

SUBJECT: FIRST QUARTER 2009 GROUNDWATER MONITORING REPORT

SITE: FORMER OLYMPIAN SERVICE STATION
1435 WEBSTER STREET
ALAMEDA, CALIFORNIA 94501
FLC # RO0000193

Dear Mr. Plunkett:

On behalf of Olympian JV, TEC Accutite is pleased to submit this first quarter 2009 groundwater monitoring report for the above referenced site.

Thank you for your cooperation and assistance on this project. If you have any questions or concerns, please contact the undersigned at (650) 616-1205.

Sincerely,
TEC Accutite

Morgan A. Reed
Project Manager

cc: Mr. Fred Bertetta c/o Ms. Janet Heikel, Olympian, 1300 Industrial Road, Suite 2, San Carlos, California 94070
Mr. Jeff Farrar, P.O. Box 1701, Chico, California 95927
Mr. and Mrs. Charles A. & Ose M. Begley, 2592 Pine View Dr., Fortuna, California 95540

**FIRST QUARTER 2009
GROUNDWATER MONITORING REPORT**

**FORMER OLYMPIAN SERVICE STATION
1435 WEBSTER STREET
ALAMEDA, CALIFORNIA 94501**

FLC #: RO0000193

PREPARED FOR:

**OLYMPIAN JV
AND
ALAMEDA COUNTY HEALTH AGENCY**

PREPARED BY:

**TEC ACCUTITE
PROJECT #: E-322**

SAMPLING DATE:

MARCH 4, 2009

REPORT DATE:

MARCH 25, 2009



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1.0 INTRODUCTION

On behalf of Olympian JV, TEC Accutite conducted the first quarter 2009 groundwater monitoring event at the former Olympian Service Station, located at 1435 Webster Street, Alameda, California. The site is the location of a subsurface release of petroleum hydrocarbons related to the former gasoline underground storage tanks (USTs) that were removed in 1989.

This event represents the eighth sampling event following the completion of soil excavation activities during February 2007. Presented herein are the site environmental background and results of the current groundwater monitoring event. A vicinity map and site map are provided as Figures 1 and 2, respectively.

2.0 SITE DESCRIPTION

The site is located on the corner of Webster Street and Taylor Avenue in Alameda, California. Prior to 1989, the site was occupied by an Olympian Service Station. Station facilities consisted of two 10,000-gallon gasoline USTs, one 7,500-gallon diesel UST, one 500-gallon waste oil UST and two dispenser islands (Figure 2).

The surrounding topography is flat and the site is approximately 20 feet above mean sea level. The site is situated in a mixed commercial and residential area and is currently leased by the City of Alameda and used as a metered parking lot.

3.0 ENVIRONMENTAL BACKGROUND

A historical timeline of relevant activities at the subject site is presented in Section 3.1; a summary of the current site condition, including the monitoring well network and general chemical of concern (COC) distribution, is presented in Section 3.2

3.1 Site Timeline

October 1988	Soil gas analysis performed on site reveals high soil gas readings.
September 1989	Two 10,000-gallon gasoline USTs, one 7,500-gallon diesel UST and one 500-gallon waste oil UST removed by TEC Accutite; petroleum hydrocarbons detected in soil beneath former tanks.
January 1991	Approximately 950 cubic yards of soil were removed from the former location of the USTs; this soil was bioremediated onsite and returned to the former excavation.
January 1993	Three monitoring wells installed onsite (MW-1 through MW-3); no petroleum hydrocarbons detected in soil.
February 1999	Four soil borings advanced on- and offsite (B-1 through B-4); petroleum hydrocarbon concentrations detected in soil and groundwater.
December 1999	Three monitoring wells, installed onsite (MW-4 through MW-6); petroleum hydrocarbons detected in soil.
November 2000	Site conceptual model (SCM) completed; potential for benzene vapor-phase migration from hydrocarbon affected groundwater to indoor and ambient air identified as an exposure pathway requiring further evaluation.



- June 2001** Four soil borings advanced [B-1 through B-4 (second set of B-1 through B-4)]; no petroleum hydrocarbons detected in soil; petroleum hydrocarbons detected in groundwater.
- February 2002** Site-specific risk assessment performed; compounds of concern identified as TPHg and benzene.
- May 2003** Eight soil vapor probes advanced onsite (SV-1 through SV-7); petroleum hydrocarbons detected below their respective Environmental Screening Levels (ESLs).
- September 2005** SCM updated; uncertainties identified in onsite benzene vapor concentrations and offsite groundwater conditions.
- June 2006** Eight soil borings advanced (SP-1 through SP-8); petroleum hydrocarbons detected in soil above constituent ESLs.
- November 2006** Seventeen soil borings advanced (CB-1 through CB-17) to determine excavation limits; petroleum hydrocarbons detected at concentrations below ESLs and/or laboratory detection limits at depths shallower than 8 feet bsg.
- December 2006** Five soil borings advanced (DB-1 through DB-5); onsite soils classified as Class II waste; monitoring wells MW-1 and MW-5 abandoned by pressure grouting.
- February 2007** Interim remedial action conducted; 992.54 tons of soil excavated from site; 15,000 gallons of groundwater pumped from open excavation pit, sediment removed and carbon-filtered, and discharged to sewer under permit.
- March 2007** Two monitoring wells installed onsite (MW-7 and MW-8).
- July 2007** Thirteen off-site soil borings advanced (B-6 through B-18); off-site plume defined in all directions except crossgradient to the northeast.

3.2 Site Condition

The site currently has six monitoring wells in its network (MW-2 through MW-4 and MW-6 through MW-8). Locations of site monitoring wells are presented in Figure 2. The groundwater monitoring well construction details and activity schedule are presented in Table 1. Chemicals of concern (COCs) for the site include petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), and methyl-tert-butyl ether (MTBE). The source area was the former USTs, which were removed in 1989. TEC Accutite continues to monitor all active monitoring wells associated with the site on a quarterly basis in preparation for applying for site closure.

4.0 GROUNDWATER MONITORING

TEC Accutite conducted the first quarter groundwater monitoring event on March 4, 2009. Field data sheets from this groundwater sampling event are presented as Attachment A.

4.1 Sampling Methods

Upon arrival to the site, a TEC Accutite technician uncapped all site monitoring wells and allowed the water level in each well to fully equilibrate prior to measuring the depth to water. Depth to water measurements were gauged to the nearest 0.01 foot using an electric water level meter and recorded on the well sampling logs. Following well gauging, approximately three casing-water volumes of groundwater were purged from wells MW-2 through MW-4 and MW-6 through MW-8 (all active wells). Water levels in



each well were allowed to recover to 80% of the pre-purge level prior to collection of groundwater samples. Samples were collected from each well with a disposable bailer and transferred into laboratory supplied HCl-preserved volatile organic analysis vials (VOAs). The samples were labeled, stored in an insulated container with ice, and delivered to *Torrent Laboratory, Inc.*, a California state certified laboratory, under chain-of-custody documentation for analysis.

All groundwater samples were analyzed for TPHg, BTEX, fuel oxygenates, and fuel additives by EPA Method 8260B. The laboratory analytical report and chain-of-custody documentation are presented in Attachment B.

4.2 Electronic Laboratory Data Submittal

The laboratory report was converted into EDF format and uploaded to GeoTracker, the online geospatial database of California. Depths to groundwater were uploaded to GeoTracker as a GEO_WELL file. Attachment C contains hard copies of the GeoTracker submission confirmations.

5.0 RESULTS

5.1 Groundwater Elevation and Flow Direction

The calculated groundwater gradient based on groundwater elevations is toward the southeast at approximately 0.0079 feet/foot (ft/ft). Groundwater elevations are presented in Table 2 and Figure 3.

5.2 Petroleum Hydrocarbons in Groundwater

For this monitoring event, the highest concentrations of dissolved-phase petroleum hydrocarbons and fuel oxygenates were detected in monitoring well MW-8 (8,500 µg/L TPHg, 168 µg/L benzene, 8,190 µg/L MTBE, 2,050 µg/L tert-Butyl alcohol (TBA), and 238 µg/L 1,2-dichloroethane (1,2-DCA)); as the laboratory report notes, the elevated TPHg result is primarily due to an individual peak of a non-target compound (MTBE). In groundwater samples collected from monitoring wells MW-2, MW-4 and MW-7, only MTBE was detected above laboratory detection limits (3.15 µg/L, 2.96 µg/L and 0.530 µg/L, respectively).

Dissolved-phase petroleum hydrocarbons and fuel oxygenates were not detected at or above respective laboratory reporting limits in monitoring wells MW-3 and MW-6. Groundwater analytical results are summarized in Table 3 and Figure 4.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- For this groundwater monitoring event, groundwater flow was toward the southeast and within historical precedent for seasonal change in groundwater elevation and gradient.
- Concentrations of TPHg, BTEX compounds, and fuel oxygenates were detected above applicable ESLs only in the groundwater samples collected from monitoring well MW-8, located approximately 5 feet south-southwest of former monitoring well MW-1. Concentrations of petroleum hydrocarbons appear to be stable at this well.
- Concentrations of fuel oxygenates in all site monitoring wells are within historical range and appear to be stable or decreasing.
- With the exception of MTBE, concentrations of chemicals of concern in wells MW-2, MW-3, MW-4, MW-6, and MW-7 were below laboratory detection limits.
- TEC Accutite will continue to monitor all active wells associated with the site on a quarterly basis.
- TEC Accutite is currently implementing the *Workplan for Soil and Groundwater Delineation, Soil Boring Installation, Vapor Monitoring Point Installation, and Groundwater Monitoring Well Installation* (TEC, 2008).



7.0 LIMITATIONS

Our services consist of professional opinions, conclusions, and recommendations made today in accordance with generally accepted engineering principles and practices. This warranty is in lieu of all other warranties either expressed or implied. TEC Accutite's liability is limited to the dollar amount of the work performed.

Thank you for your cooperation and assistance with this project. If you have any questions or concerns, please contact the undersigned at (650) 616-1200.

Sincerely,
TEC Accutite



Abby Kirchofer
Environmental Scientist

Reviewed by:



Morgan A. Reed
Project Manager



Paul B. Dotson, PG # 8237
Professional Geologist



TABLES

Table 1
Groundwater Monitoring Well Construction Details and Activity Schedule
Former Olympian Service Station
1435 Webster Street
Alameda, California

Well ID	Date Installed ¹	Monitoring Well Construction Details							Activity Schedule	
		Total Depth	Diameter	Top of Screen	Bottom of Screen	Screen Length	Top of Casing ²	Monitoring Status	Gauging	Sampling ³
		(ft bsg)	(inches)	(ft bsg)	(ft bsg)	(feet)	(ft msl)		(quarterly)	
MW-1	1/1/1993	24	2	6	24	18	19.53	Inactive		
MW-2	1/1/1993	24	2	6	24	18	19.80	Active	√	√
MW-3	1/1/1993	24	2	6	24	18	19.79	Active	√	√
MW-4	12/1/1999	20	2	5	20	15	19.30	Active	√	√
MW-5	12/1/1999	20	2	5	20	15	18.99	Inactive		
MW-6	12/1/1999	20	2	5	20	15	20.27	Active	√	√
MW-7	3/9/2007	20	4	10	20	10	18.93	Active	√	√
MW-8	3/9/2007	20	4	10	20	10	19.33	Active	√	√

Notes

ft = feet
bsg = below surface grade
msl = mean sea level

¹ = If exact well installation date is unknown, well installation date is given as the first day of the installation month

² = survey performed by Virgil Chavez Land Surveying (PLS #6323)

³ = groundwater samples are routinely analyzed for total petroleum hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), methyl-tert-butyl ether (MTBE), di-isopropyl ether (DIPE), tert-butyl alcohol (TBA), and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B



Table 2
Summary of Historical Groundwater Elevation Data
Former Olympian Service Station
1435 Webster Street
Alameda, California

Well ID	TOC Elevation (ft msl)	Sample Date	Depth to Water (ft)	Groundwater Elevation (ft msl)
MW-1	19.53	6/3/1993	(1)	---
		9/14/1994	11.46	8.07
		12/30/1994	9.22	10.31
		3/26/1995	6.76	12.77
		7/9/1995	8.92	10.61
		7/31/1998	8.30	11.23
		2/11/1999	7.91	11.62
		6/23/1999	9.03	10.50
		12/6/1999	10.86	8.67
		3/16/2000	6.93	12.60
		6/13/2000	8.73	10.80
		9/29/2000	10.18	9.35
		3/22/2001	8.24	11.29
		6/25/2001	9.73	9.80
		9/28/2001	11.06	8.47
		12/26/2001	8.11	11.42
		07/0705	8.69	10.84
		10/19/2005	10.25	9.28
		1/13/2006	7.09	12.44
		5/5/2006	6.40	13.13
7/19/2006	8.28	11.25		
10/5/2006	9.67	9.86		
*****Abandoned 12/27/2006*****				
MW-2	19.80	6/3/1993	9.54	10.26
		9/14/1994	11.82	7.98
		12/30/1994	9.46	10.34
		3/26/1995	6.82	12.98
		7/9/1995	9.22	10.58
		7/31/1998	8.56	11.24
		2/11/1999	8.12	11.68
		6/23/1999	9.33	10.47
		12/6/1999	11.20	8.60
		3/16/2000	6.88	12.92
		6/13/2000	8.99	10.81
		9/29/2000	10.40	9.40
		3/22/2001	8.46	11.34
		6/25/2001	10.11	9.69
		9/28/2001	11.40	8.40
		12/26/2001	8.28	11.52
		7/7/2005	8.99	10.81
		10/19/2005	10.63	9.17
		1/13/2006	7.15	12.65
		5/5/2006	6.43	13.37
		7/19/2006	8.57	11.23
		10/5/2006	10.05	9.75
		3/29/2007	8.83	10.97
		6/27/2007	9.86	9.94
		9/19/2007	10.89	8.91
		12/19/2007	10.78	9.02
		3/6/2008	8.48	11.32
6/18/2008	10.23	9.57		
9/10/2008	11.36	8.44		
12/10/2008	11.89	7.91		
3/4/2009	8.68	11.12		



Table 2
Summary of Historical Groundwater Elevation Data
Former Olympian Service Station
1435 Webster Street
Alameda, California

Well ID	TOC Elevation (ft msl)	Sample Date	Depth to Water (ft)	Groundwater Elevation (ft msl)
MW-3	19.79	6/3/1993	9.80	9.99
		9/14/1994	12.19	7.60
		12/30/1994	9.72	10.07
		3/26/1995	6.88	12.91
		7/9/1995	9.52	10.27
		7/31/1998	8.40	11.39
		2/11/1999	7.77	12.02
		6/23/1999	9.21	10.58
		12/6/1999	11.12	8.67
		3/16/2000	6.48	13.31
		6/13/2000	8.76	11.03
		9/29/2000	10.20	9.59
		3/22/2001	8.24	11.55
		6/25/2001	10.04	9.75
		9/28/2001	11.34	8.45
		12/26/2001	8.01	11.78
		7/7/2005	8.84	10.95
		10/19/2005	10.58	9.21
		1/13/2006	6.85	12.94
		5/5/2006	6.11	13.68
		7/19/2006	8.41	11.38
		10/5/2006	10.02	9.77
		3/29/2007	9.71	10.08
		6/27/2007	9.82	9.97
		9/19/2007	10.88	8.91
		12/19/2007	10.68	9.11
3/6/2008	8.30	11.49		
6/18/2008	10.18	9.61		
9/10/2008	11.33	8.46		
12/10/2008	11.89	7.90		
		3/4/2009	8.40	11.39
MW-4	19.30	12/6/1999	10.79	8.51
		3/16/2000	6.86	12.44
		6/13/2000	8.18	11.12
		9/29/2000	10.11	9.19
		4/5/2001	8.26	11.04
		6/25/2001	9.68	9.62
		9/28/2001	10.98	8.32
		12/26/2001	8.18	11.12
		7/7/2005	8.77	10.53
		10/19/2005	10.24	9.06
		1/13/2006	(1)	(1)
		5/5/2006	(1)	(1)
		7/19/2006	8.38	10.92
		10/5/2006	9.65	9.65
		3/29/2007	8.55	10.75
		6/27/2007	9.40	9.90
		9/19/2007	10.45	8.85
		12/19/2007	10.35	8.95
		3/6/2008	8.25	11.05
		6/18/2008	9.80	9.50
		9/10/2008	10.89	8.41
12/10/2008	11.43	7.87		
		3/4/2009	8.47	10.83



Table 2
Summary of Historical Groundwater Elevation Data
Former Olympian Service Station
1435 Webster Street
Alameda, California

Well ID	TOC Elevation (ft msl)	Sample Date	Depth to Water (ft)	Groundwater Elevation (ft msl)
MW-5	18.99	12/6/1999	10.17	8.82
		3/16/2000	6.28	12.71
		6/13/2000	7.95	11.04
		9/29/2000	9.54	9.45
		3/22/2001	7.48	11.51
		6/25/2001	9.05	9.94
		9/28/2001	10.39	8.60
		12/26/2001	7.28	11.71
		8/24/2005	7.87	11.12
		10/19/2005	9.51	9.48
		1/13/2006	6.35	12.64
		5/5/2006	5.64	13.35
		7/19/2006	7.41	11.58
		10/5/2006	8.89	10.10
*****Abandoned 12/27/2006*****				
MW-6	20.27	12/6/1999	11.46	8.81
		3/16/2000	8.32	11.95
		6/13/2000	9.14	11.13
		9/29/2000	10.81	9.46
		3/22/2001	8.64	11.63
		6/25/2001	10.39	9.88
		9/28/2001	11.70	8.57
		12/26/2001	8.40	11.87
		7/7/2005	9.10	11.17
		10/19/2005	10.88	9.39
		1/13/2006	7.33	12.94
		5/5/2006	6.53	13.74
		7/19/2006	8.64	11.63
		10/5/2006	10.29	9.98
		3/29/2007	9.01	11.26
		6/27/2007	10.14	10.13
		9/19/2007	11.17	9.10
		12/19/2007	10.99	9.28
		3/6/2008	8.65	11.62
		6/18/2008	10.46	9.81
9/10/2008	11.64	8.63		
12/10/2008	12.18	8.09		
		3/4/2009	8.86	11.41
MW-7	18.93	3/29/2007	7.90	11.03
		6/27/2007	8.87	10.06
		9/19/2007	9.88	9.05
		12/19/2007	9.72	9.21
		3/6/2008	7.52	11.41
		6/18/2008	9.13	9.80
		9/10/2008	10.29	8.64
		12/10/2008	10.81	8.12
				3/4/2009
MW-8	19.33	3/29/2007	8.40	10.93
		6/27/2007	9.33	10.00
		9/19/2007	10.31	9.02
		12/19/2007	10.23	9.10
		3/6/2008	9.14	10.19
		6/18/2008	9.74	9.59
		9/10/2008	10.76	8.57
		12/10/2008	11.31	8.02
		3/4/2009	8.59	10.74

Notes:
TOC = Top of Casing
ft msl = Feet referenced to mean sea level
--- = Not Available
(1) = Well not accessible due to obstruction by a parked car
yellow row = most recent data



Table 3
Summary of Groundwater Monitoring Analytical Results
Former Olympian Service Station
1435 Webster Street
Alameda, California

Well ID	Sample Date	TPHd	TPHg	Concentrations in micrograms per liter (µg/L)								TBA	1,2-DCA
				B	T	E	X	MTBE	TRPH	DIPE	ESL		
		100	100	1.0	40	30	20	5.0				12	0.5
MW-1	6/3/1993	---	---	---	---	---	---	---	---	---	---	---	---
	9/14/1994	<50	14,000	44	28	25	50	---	800	---	---	---	---
	12/30/1994	<50	4,000	12	9	6.8	30	---	<500	---	---	---	---
	3/26/1995	<50	1,000	21	10	7.1	25	---	2,100	---	---	---	---
	7/9/1995	<50	16,000	57	28	25	53	---	---	---	---	---	---
	7/31/1998	1,700	4,700	1,300	48	140	150	6,600	<5000	---	---	---	---
	2/11/1999	2000	25,000	18,000	1,600	1,400	500	28,000	---	---	---	---	---
	6/23/1999	4,900	42,000	11,000	1,100	1,500	2,300	15,000	---	---	---	---	---
	12/6/1999	4,000	44,000	8,900	3,400	1,900	5,100	11,000	---	---	---	---	---
	3/16/2000	700	5,100	2,400	100	280	460	2,700 ²	---	---	---	---	---
	6/13/2000	2,800	17,000	5,300	260	720	790	7,000 ²	---	---	---	---	---
	9/29/2000	5,200 ¹	50,000	11,000	2,900	1,900	4,600	7,200 ²	---	---	---	---	---
	3/22/2001	1,500 ¹	8,600	2,600	750	250	950	3,200 ²	---	---	---	---	---
	6/25/2001	---	18,000	1,200	1,800	970	3,200	1500 ²	---	---	---	---	---
	9/28/2001	---	48,000	5,200	6100	2200	8100	4000	---	---	---	---	---
	12/26/2001	---	524	216	1.2	8.6	7.4	721	---	---	---	---	---
	7/7/2005	---	1,500	190	15	36	29	1,100	---	<20	---	---	50
	10/19/2005	---	11,000	2,100	45	370	82	4,600	---	<250	<500	---	200
	1/13/2006	---	5,400	680	37	83	41	3,900	---	<250	<500	---	180
	5/5/2006	---	<25	2	<0.5	<0.5	<0.5	2.2	---	<5.0	<10	---	<0.5
	7/19/2006	---	5,000	836	22.3	107	81.8	1,130	---	<4.2	<84	---	54.1
	10/5/2006	---	23,000	3,740	112	395	161	6,020	---	13.5	546	---	219
*****Well Abandoned 12/27/2006*****													
MW-2	6/3/1993	<50	<50	5.8	<0.5	<0.5	<0.5	---	<500	---	---	---	---
	9/14/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	---	<500	---	---	---	---
	12/30/1994	<50	160	1.4	1.4	0.8	5	---	<500	---	---	---	---
	3/26/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	---	<500	---	---	---	---
	7/9/1995	---	---	---	---	---	---	---	---	---	---	---	---
	7/31/1998	220	<50	<0.5	<0.5	<0.5	<0.5	73	<500	---	---	---	---
	2/11/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	75	---	---	---	---	---
	6/23/1999	420	<50	<0.5	<0.5	<0.5	<0.5	96	---	---	---	---	---
	12/6/1999	<110	300	28	45	6	37	210	---	---	---	---	---
	3/16/2000	<50	<50	1	<0.5	0.5	1	3	---	---	---	---	---
	6/13/2000	<50	68	0.8	<0.5	<0.5	<0.5	38	---	---	---	---	---
	9/29/2000	<50	67	0.8	0.5	<0.5	1	86 ²	---	---	---	---	---
	3/22/2001	<50	<50	1	0.5	<0.5	1	14	---	---	---	---	---
	6/25/2001	---	<50	<0.5	<0.5	<0.5	<1.0	13	---	---	---	---	---
	9/28/2001	---	300	4	6	3	10	130	---	---	---	---	---
	12/26/2001	---	<50	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	---	---	---
	7/7/2005	---	<50	<0.5	<0.5	<0.5	<1.0	20	---	<1.0	---	---	1.1
	10/19/2005	---	29	1.4	<0.5 ³	<0.5	<0.5	19	---	<5.0	<10	---	0.95
	1/13/2006	---	<25	<0.5	<0.5	<0.5	<0.5	<1.0	---	<5.0	<10	---	<0.5
	5/5/2006	---	<25	<0.5	<0.5	<0.5	<0.5	<1.0	---	<5.0	<10	---	<0.5
	7/19/2006	---	<50	<0.5	<0.5	<0.5	<1.5	16.6	---	<0.5	<10	---	1.24
	10/5/2006	---	<50	<0.5	<0.5	<0.5	<1.5	11.9	---	<0.5	<10	---	0.750
Post excavation	3/29/2007	---	<50	<0.5	<0.5	<0.5	<1.5	3.36	---	<0.5	<10	---	<0.5
	6/27/2007	---	<50	<0.5	<0.5	<0.5	<1.5	10.5	---	<0.5	<10	---	0.820
	9/19/2007	---	52 ⁴	<0.5	<0.5	<0.5	<1.5	18.1	---	<0.5	<10	---	0.710
	12/19/2007	---	<50	<0.5	<0.5	<0.5	<1.5	22.9	---	<0.5	<10	---	0.840
	3/6/2008	---	<50	<0.5	<0.5	<0.5	<1.5	1.02	---	<0.5	<10	---	<0.5
	6/18/2008	---	<50	<0.5	<0.5	<0.5	<1.5	36.9	---	<0.5	<10	---	0.880
	9/10/2008	---	69 ⁴	<0.5	<0.5	<0.5	<1.5	24.6	---	<0.5	<10	---	0.810
	12/10/2008	---	84 ⁴	<0.5	<0.5	<0.5	<1.5	30.2	---	<0.5	<10	---	0.650
	3/4/2009	---	<50	<0.5	<0.5	<0.5	<1.5	3.15	---	<0.5	<10	---	<0.5



Table 3
Summary of Groundwater Monitoring Analytical Results
Former Olympian Service Station
1435 Webster Street
Alameda, California

Well ID	Sample Date	TPHd	TPHg	Concentrations in micrograms per liter (µg/L)								TBA	1,2-DCA	
				B	T	E	X	MTBE	TRPH	DIPE	ESL			
	<i>ESL</i>	<i>100</i>	<i>100</i>	<i>1.0</i>	<i>40</i>	<i>30</i>	<i>20</i>	<i>5.0</i>				<i>12</i>	<i>0.5</i>	
MW-3	6/3/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<500	---	---	---	---	
	9/14/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<500	---	---	---	---	
	12/30/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<500	---	---	---	---	
	3/26/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<500	---	---	---	---	
	7/9/1995	---	---	---	---	---	---	---	---	---	---	---	---	
	7/31/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5000	---	---	---	---	
	2/11/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	---	---	---	---	---	
	6/23/1999	<50	<50	<0.5	<0.5	<0.5	<0.5	3	---	---	---	---	---	
	12/6/1999	<110	<50	3	1	<0.5	1	0.6	---	---	---	---	---	
	3/16/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	1	---	---	---	---	---	
	6/13/2000	<50	490	0.8	<0.5	<0.5	9	2	---	---	---	---	---	
	9/29/2000	<50	57	<0.5	<0.5	<0.5	<1.0	<1.0 ²	---	---	---	---	---	
	3/22/2001	<50	<50	<0.5	<0.5	<0.5	<1.0	2	---	---	---	---	---	
	6/25/2001	---	<50	<0.5	<0.5	<0.5	<1.0	0.8	---	---	---	---	---	
	9/28/2001	---	91	<0.5	<0.5	<0.5	2	2	---	---	---	---	---	
	12/26/2001	---	<50	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	---	---	---	
	7/7/2005	---	<50	<0.5	<0.5	<0.5	<1.0	<0.5	---	<1.0	---	---	<0.5	
	10/19/2005	---	<25	<0.5	<0.5 ³	<0.5	<0.5	<1.0	---	<5.0	<10	<10	<0.5	
	1/13/2006	---	<25	<0.5	<0.5	<0.5	<0.5	<1.0	---	<5.0	<10	<10	<0.5	
	5/5/2006	---	<25	<0.5	<0.5	<0.5	<0.5	<1.0	---	<5.0	<10	<10	<0.5	
	7/19/2006	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
	10/5/2006	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
	Post excavation	3/29/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
		6/27/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
		9/19/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
		12/19/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
		3/6/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
	6/18/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
	9/10/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
	12/10/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
	3/4/2009	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
MW-4	12/6/1999	160	<50	3	2	0.6	4	140	---	---	---	---	---	
	3/16/2000	90	<50	0.5	0.5	<0.5	2	34	---	---	---	---	---	
	6/13/2000	<50	56	<0.5	<0.5	<0.5	<1.0	1	---	---	---	---	---	
	9/29/2000	<50	92	0.7	<0.5	<0.5	3	<1.0 ²	---	---	---	---	---	
	4/5/2001	<50	51	<0.5	0.5	<0.5	1	6.0 ²	---	---	---	---	---	
	6/25/2001	---	<50	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	---	---	---	
	9/28/2001	---	<50	<0.5	<0.5	<0.5	2	2	---	---	---	---	---	
	12/26/2001	---	<50	1.6	1.7	1.6	4.4	2.7	---	---	---	---	---	
	7/7/2005	---	<50	<0.5	<0.5	<0.5	<1.0	<0.5	---	<1.0	---	---	<0.5	
	10/19/2005	---	<25	<0.5	<0.5 ³	<0.5	<0.5	<1.0	---	<5.0	<10	<10	<0.5	
	1/13/2006	*****Not sampled*****												
	5/5/2006	*****Not sampled*****												
	7/19/2006	---	<50	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
	10/5/2006	---	<50	<0.5	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
	Post excavation	3/29/2007	---	<50	<0.5	<0.5	<0.5	<1.5	0.69	---	<0.5	<10	<10	<0.5
		6/27/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5
		9/19/2007	---	<50	<0.5	<0.5	<0.5	<1.5	1.38	---	<0.5	<10	<10	<0.5
	12/19/2007	---	63 ⁵	<0.5	<0.5	<0.5	<1.5	2.20	---	<0.5	<10	<10	0.590	
	3/6/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
	6/18/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<10	<0.5	
	9/10/2008	---	<50	<0.5	<0.5	<0.5	<1.5	0.700	---	<0.5	<10	<10	<0.5	
	12/10/2008	---	<50	<0.5	<0.5	<0.5	<1.5	2.04	---	<0.5	<10	<10	<0.5	
	3/4/2009	---	<50	<0.5	<0.5	<0.5	<1.5	2.96	---	<0.5	<10	<10	<0.5	
MW-5	12/6/1999	2,800	30,000	2,200	3,300	910	7000	670	---	---	---	---	---	
	3/16/2000	1,100	3,500	1,100	260	210	6300	260	---	---	---	---	---	
	6/13/2000	1,100	6,500	2200	360	360	730	480	---	---	---	---	---	
	9/29/2000	700 ¹	3,900	990	120	300	340	390 ²	---	---	---	---	---	
	3/22/2001	380 ¹	4,300	780	240	250	530	190	---	---	---	---	---	
	6/25/2001	---	3,100	1000	110	200	320	140	---	---	---	---	---	
	9/28/2001	---	3,000	1200	77	120	170	770	---	---	---	---	---	
	12/26/2001	---	3,240	738	262	218	626	66.4	---	---	---	---	---	
	8/24/2005	---	150	57	3	8	3.9	67	---	<1.0	18	18	3.0	
	10/19/2005	---	560	130	3.8	23	9.3	230	---	<25	<50	<50	11	
	1/13/2006	---	2,300	570	18	120	140	220	---	<25	<50	<50	14	
	5/5/2006	---	130	35	1.7	7.8	7.4	8	---	<5.0	<10	<10	0.55	
	7/19/2006	---	210	102	1.54	15.8	3.85	27.6	---	<0.5	<10	<10	2.06	
10/5/2006	---	410	105	1.06	9.05	2.24	101	---	0.640	11.3	11.3	6.65		
*****Well Abandoned 12/27/2006*****														



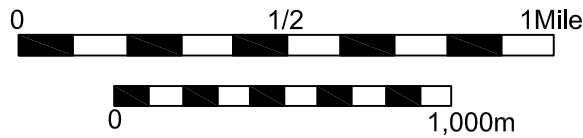
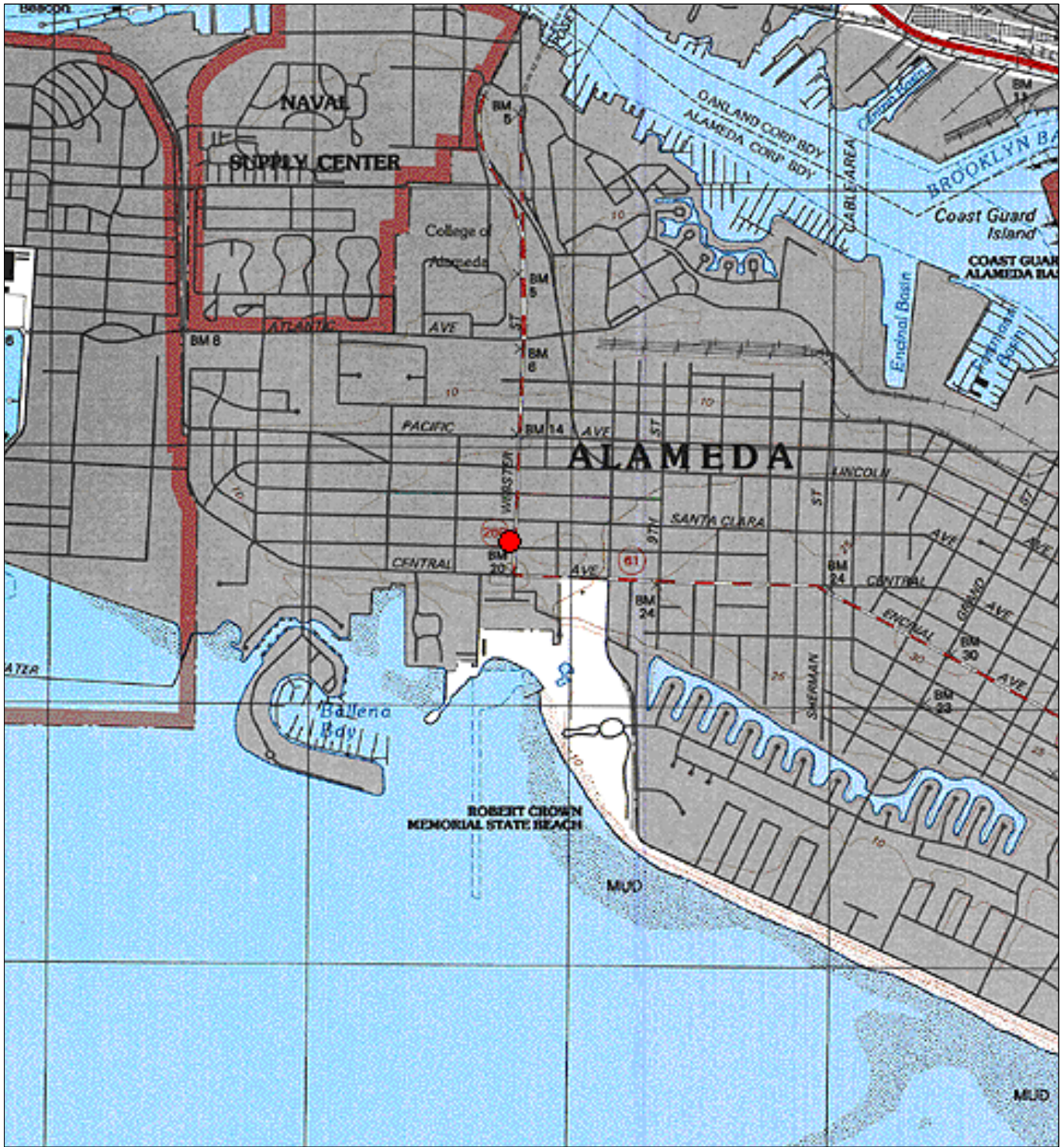
Table 3
Summary of Groundwater Monitoring Analytical Results
Former Olympian Service Station
1435 Webster Street
Alameda, California

Well ID	Sample Date	TPHd	TPHg	Concentrations in micrograms per liter (µg/L)								TBA	1,2-DCA
				B	T	E	X	MTBE	TRPH	DIPE	ESL		
		100	100	1.0	40	30	20	5.0	---	---	12	0.5	
MW-6	12/6/1999	110	<50	2	2	0.8	8	1	---	---	---	---	
	3/16/2000	<50	<50	8	8	5	18	<0.5	---	---	---	---	
	6/13/2000	<50	75	0.7	1	0.9	2	0.6	---	---	---	---	
	9/29/2000	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	---	---	---	---	
	3/22/2001	<50	66	0.5	<0.5	<0.5	<1.0	3	---	---	---	---	
	6/25/2001	---	<50	<0.5	<0.5	<0.5	<1.0	4	---	---	---	---	
	9/28/2001	---	63	2	ND	ND	1	3	---	---	---	---	
	12/26/2001	---	<50	<0.5	<0.5	<0.5	1.4	<0.5	---	---	---	---	
	7/7/2005	---	<50	<0.5	<0.5	<0.5	<1.0	<0.5	---	<1.0	---	<0.5	
	10/19/2005	---	<25	<0.5	<0.5 ³	<0.5	<0.5	<1.0	---	<5.0	<10	<0.5	
	1/13/2006	---	<25	<0.5	<0.5	<0.5	<0.5	<1.0	---	<5.0	<10	<0.5	
	5/5/2006	---	<25	<0.5	<0.5	<0.5	<0.5	<1.0	---	<5.0	<10	<0.5	
	7/19/2006	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5	
	10/5/2006	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5	
	Post excavation	3/29/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5
		6/27/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5
		9/19/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5
		12/19/2007	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5
		3/6/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5
		6/18/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5
	9/10/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5	
	12/10/2008	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5	
	3/4/2009	---	<50	<0.5	<0.5	<0.5	<1.5	<0.5	---	<0.5	<10	<0.5	
MW-7	3/29/2007	---	840	50.8	9.33	2.54	162	39.9	---	<0.5	<10	2.26	
	6/27/2007	---	270	126	<0.5	7.11	<1.5	94.4	---	0.550	58.4	6.21	
	9/19/2007	---	191 ⁴	0.5	<0.5	5.38	<1.5	49.6	---	<0.5	28.5	4.37	
	12/19/2007	---	54 ⁴	<0.5	<0.5	<0.5	<1.5	11.4	---	<0.5	<10	1.09	
	3/6/2008	---	<50	<0.5	<0.5	<0.5	<1.5	4.83	---	<0.5	<10	0.59	
	6/18/2008	---	<50	0.840	<0.5	0.500	<1.5	52.5	---	<0.5	15.3	5.70	
	9/10/2008	---	55 ⁴	<0.5	<0.5	<0.5	<1.5	15.3	---	<0.5	<10	1.98	
	12/10/2008	---	<50	<0.5	<0.5	<0.5	<1.5	2.43	---	<0.5	<10	<0.5	
		3/4/2009	---	<50	<0.5	<0.5	<0.5	<1.5	0.530	---	<0.5	<10	<0.5
	MW-8	4/6/2007	---	27,000	2,460	1,520	210	1,810	16,000	---	24.3	1,050	459
6/27/2007		---	20,000	2,460	382	611	1,040	7,310	---	11.1	3,400	319	
9/19/2007		---	20,400 ⁴	814	16.2	219	21.6	10,300	---	<4.40	7,080	194	
12/19/2007		---	14,100 ⁴	426	10.6	115	22.4	12,700	---	25.0	864	289	
3/6/2008		---	19,000 ⁵	639	19.5	268	152	11,200	---	<4.4	<88	227	
6/18/2008		---	5,800 ⁴	496	11.7	258	24.4	9,730	---	15.7	468	209	
9/10/2008		---	9,900	299	11.1	73.0	13.6	11,600	---	27.1	1,670	240	
12/10/2008		---	6,900	477	3.98	57.9	22.6	11,600	---	23.1	634	287	
		3/4/2009	---	8,500 ⁴	168	1.35	17.3	8.59	8,190	---	7.00	2,050	238

Notes:
TPHd = Total Petroleum Hydrocarbons as Diesel (EPA Method 8015)
TPHg = Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015; July 2005 by EPA 8260
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes by EPA Method 8020; July 2005 by EPA 8260
Fuel Additives = Methyl-tert-butyl ether (MTBE), Di-isopropyl ether (DIPE), tert-Butyl alcohol (TBA), 1,2-Dichloroethane (1,2-DCA), (EPA Method 8260B)
TRPH = Total Recoverable Petroleum Hydrocarbons
<X = Concentration less than laboratory reporting limit
--- = Not Analyzed
¹ = Does not match diesel chromatogram pattern
² = Confirmed by EPA Method 8260
³ = Toluene was detected at concentrations of 1 ppb in sample from well MW-2, 0.74 ppb in sample from well MW-3, 0.9 ppb in sample from well MW-4, and 0.66 ppb in sample from well MW-6. Data were adjusted to non-detect because of the presence of toluene (0.81 ppb) in method blank and the sample results were less than 5 times in the blank (EPA, Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, December 1994).
⁴ = TPH Gasoline value is primarily due to individual peaks / non-target compounds within gasoline quantitative range.
⁵ = TPH value partially due to individual peak (MTBE) within gasoline quantitative range.
ESLs = Environmental Screening Levels (Table F-1a), groundwater is a current or potential drinking water resource (CRWQCB, Interim Final, November 2007).
yellow row = most recent data



FIGURES



● Site Location
Map By: TOPO!
Date: 3/17/2009
Drafted By: AK

SITE
1435 Webster Street
Alameda, California



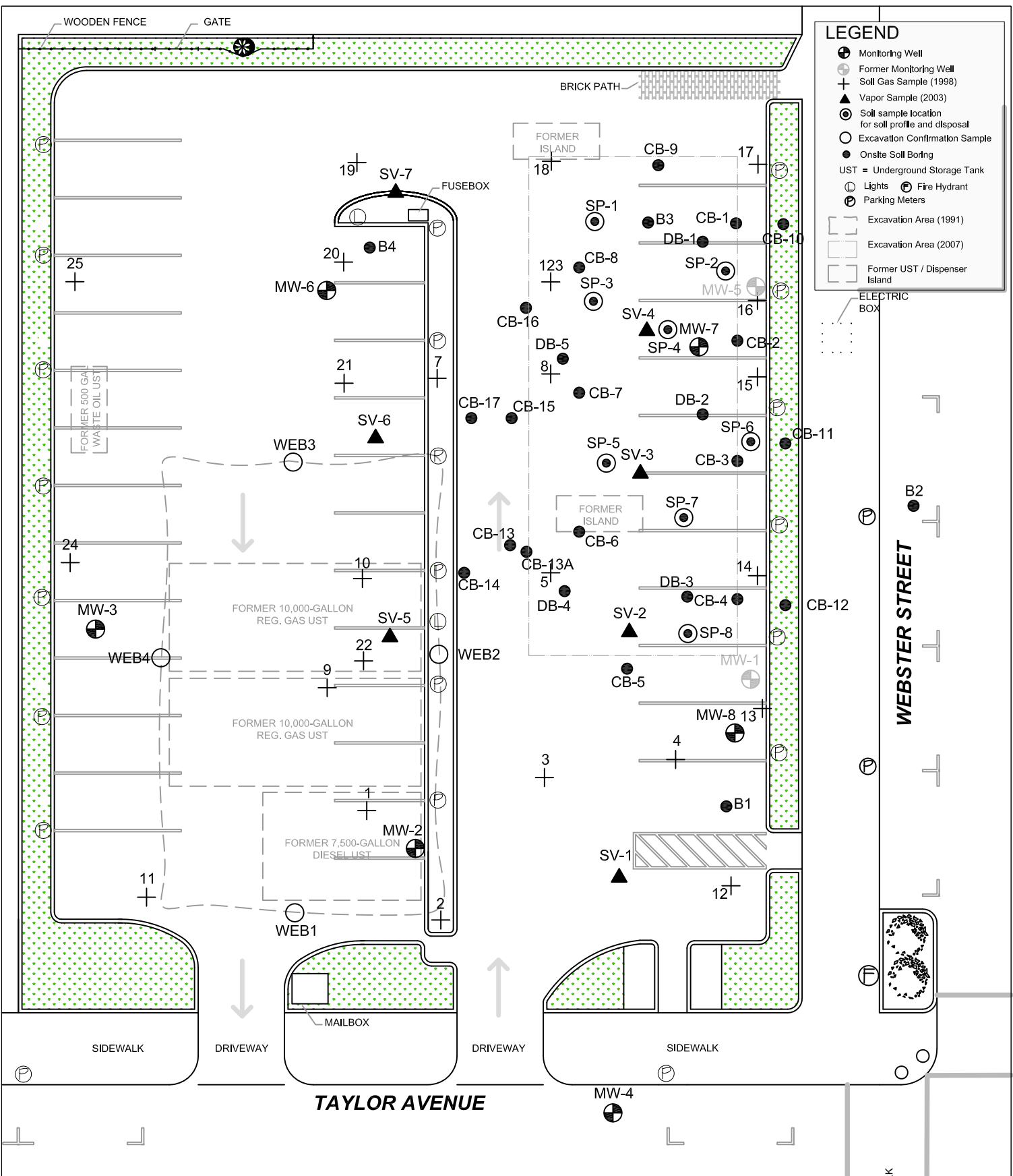
262 Michelle Court
So. San Francisco, CA 94080
Main: (650) 616-1200
Fax: (650) 616-1244

FIGURE

TITLE

1

Vicinity Map



LEGEND

- ⊕ Monitoring Well
- ⊕ Former Monitoring Well
- + Soil Gas Sample (1998)
- ▲ Vapor Sample (2003)
- ⊙ Soil sample location for soil profile and disposal
- ⊙ Excavation Confirmation Sample
- Onsite Soil Boring
- UST = Underground Storage Tank
- ⊕ Lights ⊕ Fire Hydrant ⊕ Parking Meters
- ⊕ Excavation Area (1991)
- ⊕ Excavation Area (2007)
- ⊕ Former UST / Dispenser Island



Revision: 0
Date: 3/24/2009
Drafted By: AK

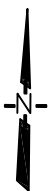
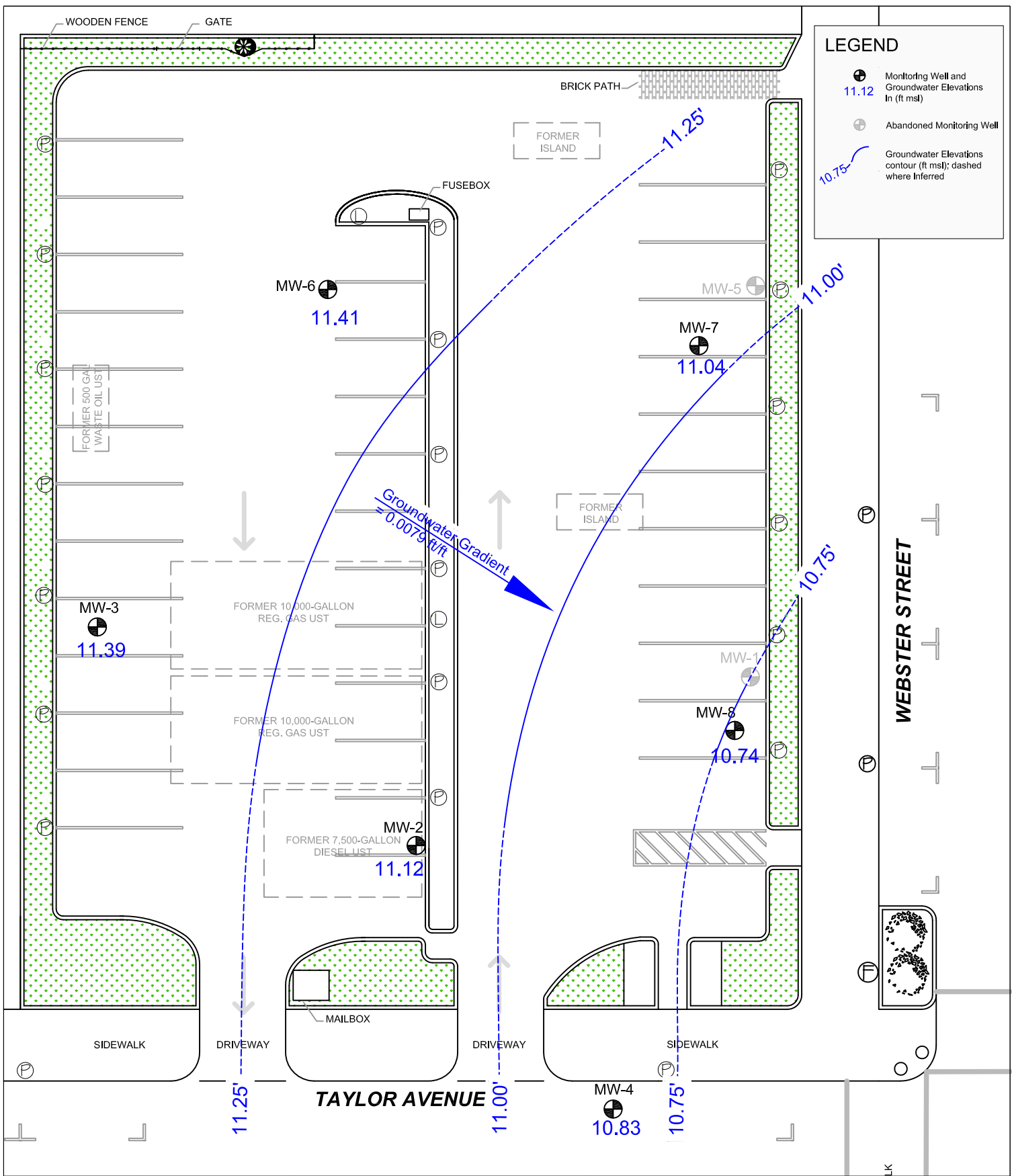


262 Michelle Court
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SITE
1435 Webster Street
Alameda, California

FIGURE
2

Site Map



Revision:
 Date: 3/24/2009
 Drafted By: AK



262 Michelle Court
 So. San Francisco, CA 94080
 Main: (650) 616-1200
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SITE
 1435 Webster Street
 Alameda, California

FIGURE
3

Groundwater
Gradient Map
March 4, 2009

ATTACHMENT A

FIELD DATA SHEETS



**TEC Accutite
Water Sample Field Data Sheet**

Project #: E-322-1-09 Purged By: BD Well ID: MW-2
 Client Name: Olympian Sampled By: BD Sample ID: MW-2
 Location: 1435 Webster QA Samples: ---

Purge Information

Date: 3/4/09 Start (2400hr): 1144 End (2400hr): 1147
 Depth to Bottom: 19.30 Depth to Water: 8.68 Casing Diameter: 2"
 DTB - DTW: 10.62 Purge (gal): 1.81 x 3 volumes: 5.41

Field Measurements

Time (2400hr)	Volume (gal)	Temp (°C)	Conductivity (µmhos/cm)	pH (units)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
<u>1145</u>	<u>1.81</u>	<u>17.4</u>	<u>446</u>	<u>7.28</u>	<u>low</u>	<u>clear</u>	<u>11.66</u>
<u>1146</u>	<u>3.62</u>	<u>17.7</u>	<u>445</u>	<u>7.16</u>	<u>"</u>	<u>"</u>	<u>13.25</u>
<u>1147</u>	<u>5.41</u>	<u>17.9</u>	<u>448</u>	<u>7.11</u>	<u>"</u>	<u>"</u>	<u>13.79</u>

Sample Information

Date: 3/4/09 Time: 1155 DTW: 8.76 Turbidity: low mod.
 Odor: slight Analysis: 8260 Sample Vessels: 3 Vials
 Preservative: HCl

Purging Equipment

submersible pump ___ peristaltic pump
 ___ bailer (disposable) ___ bailer (st. steel)
 ___ dedicated ___ bladder pump
 other: _____

Sampling Equipment

___ submersible pump ___ peristaltic pump
 bailer (disposable) ___ bailer (st. steel)
 ___ dedicated ___ bladder pump
 other: _____

Well Integrity: good Lock: yes

Note: To convert water column height to total amount of gallons in one well volume, multiply the water column height by: .17 for 2" well diameter, .65 for 4", 1.47 for 6", or 2.62 for 8".

Signature: Brian DeBorty

**TEC Accutite
Water Sample Field Data Sheet**

Project #: E-322-1-09 Purged By: BD Well ID: MW-3
 Client Name: Olympian Sampled By: BD Sample ID: MW-3
 Location: 1435 Webster QA Samples: ---

Purge Information

Date: 3/4/09 Start (2400hr): 10.17 End (2400hr): 1022
 Depth to Bottom: 21.95 Depth to Water: 8.40 Casing Diameter: 2"
 DTB - DTW: 13.55 Purge (gal): 2.30 x 3 volumes: 6.91

Field Measurements

Time (2400hr)	Volume (gal)	Temp (°C)	Conductivity (µmhos/cm)	pH (units)	Turbidity (NTU)	color D.O. (mg/l)	Depth (ft)
<u>1019</u>	<u>2.30</u>	<u>17.1</u>	<u>428</u>	<u>7.91</u>	<u>low</u>	<u>cloudy</u>	<u>10.77</u>
<u>1021</u>	<u>4.60</u>	<u>17.3</u>	<u>423</u>	<u>7.62</u>	<u>"</u>	<u>"</u>	<u>11.20</u>
<u>1022</u>	<u>6.91</u>	<u>17.5</u>	<u>418</u>	<u>7.41</u>	<u>"</u>	<u>clear</u>	<u>11.42</u>

Sample Information

Date: 3/4/09 Time: 1030 DTW: 8.90 Turbidity: mod.
 Odor: slight Analysis: 8260 Sample Vessels: 3Vials
 Preservative: HCl

Purging Equipment

submersible pump ___ peristaltic pump
 ___ bailer (disposable) ___ bailer (st. steel)
 ___ dedicated ___ bladder pump
 other: _____

Sampling Equipment

___ submersible pump ___ peristaltic pump
 bailer (disposable) ___ bailer (st. steel)
 ___ dedicated ___ bladder pump
 other: _____

Well Integrity: good Lock: no

Note: To convert water column height to total amount of gallons in one well volume, multiply the water column height by: .17 for 2" well diameter, .65 for 4", 1.47 for 6", or 2.62 for 8".

Signature: Brian Doherty

**TEC Accutite
Water Sample Field Data Sheet**

Project #: E-322-1-09 Purged By: BD Well ID: MW-6

Client Name: Olympian Sampled By: BD Sample ID: MW-6

Location: 1435 Webster QA Samples: ---

Purge Information

Date: 3/4/09 Start (2400hr): 1046 End (2400hr): 1049

Depth to Bottom: 19.90 Depth to Water: 8.86 Casing Diameter: 2"

DTB - DTW: 11.04 Purge (gal): 1.88 x 3 volumes: 5.63

Field Measurements

Time (2400hr)	Volume (gal)	Temp (°C)	Conductivity (µmhos/cm)	pH (units)	Turbidity (NTU)	D.O. (mg/l)	Depth (ft)
1047	1.88	17.1	454	7.32	low	brown	12.25
1048	3.76	17.3	461	7.21	"	cloudy	14.14
1049	5.63	17.4	459	7.18	"	"	16.24

Sample Information

Date: 3/4/09 Time: 1055 DTW: 10.07 Turbidity: low

Odor: slight Analysis: 8260 Sample Vessels: 3 VOA's
Preservative: HCl

Purging Equipment

submersible pump ___ peristaltic pump
___ bailer (disposable) ___ bailer (st. steel)
___ dedicated ___ bladder pump
other: _____

Sampling Equipment

___ submersible pump ___ peristaltic pump
 bailer (disposable) ___ bailer (st. steel)
___ dedicated ___ bladder pump
other: _____

Well Integrity: good Lock: no

Note: To convert water column height to total amount of gallons in one well volume, multiply the water column height by: .17 for 2" well diameter, .65 for 4", 1.47 for 6", or 2.62 for 8".

Signature: Brian Doherty

ATTACHMENT B

LABORATORY REPORT AND
CHAIN-OF-CUSTODY DOCUMENTATION





March 13, 2009

Brian Doherty
TEC Accutite
262 Michelle Ct
South San Francisco, CA 94080

TEL: (650) 616-1200

FAX (650) 616-1244

RE: 15812/1435 Webster St

Order No.: 0903026

Dear Brian Doherty:

Torrent Laboratory, Inc. received 6 samples on 3/5/2009 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,


Laboratory Director

3/13/09
Date

Patti Sandrock
QA Officer



TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Brian Doherty
TEC Accutite

Date Received: 3/5/2009
Date Reported: 3/13/2009

Client Sample ID: MW-2
Sample Location: 1435 Webster St
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/4/2009 11:55:00 AM

Lab Sample ID: 0903026-001
Date Prepared: 3/9/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Toluene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethylbenzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Methyl tert-butyl ether (MTBE)	SW8260B	3/9/2009	0.5	1	0.500	3.15	µg/L	R18915
Diisopropyl ether (DIPE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethyl tert-butyl ether (ETBE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
tert-Amyl methyl ether (TAME)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
t-Butyl alcohol (t-Butanol)	SW8260B	3/9/2009	10	1	10.0	ND	µg/L	R18915
1,2-Dibromoethane (EDB)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
1,2-Dichloroethane (EDC)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Xylenes, Total	SW8260B	3/9/2009	1.5	1	1.50	ND	µg/L	R18915
Surr: Dibromofluoromethane	SW8260B	3/9/2009	0	1	61.2-131	83.1	%REC	R18915
Surr: 4-Bromofluorobenzene	SW8260B	3/9/2009	0	1	64.1-120	90.0	%REC	R18915
Surr: Toluene-d8	SW8260B	3/9/2009	0	1	75.1-127	87.5	%REC	R18915
TPH (Gasoline)	SW8260B(TPH)	3/9/2009	50	1	50	ND	µg/L	G18915
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	3/9/2009	0	1	58.4-133	73.3	%REC	G18915

Report prepared for: Brian Doherty
TEC Accutite

Date Received: 3/5/2009

Date Reported: 3/13/2009

Client Sample ID: MW-3
Sample Location: 1435 Webster St
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/4/2009 10:30:00 AM

Lab Sample ID: 0903026-002

Date Prepared: 3/9/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Toluene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethylbenzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Methyl tert-butyl ether (MTBE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Diisopropyl ether (DIPE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethyl tert-butyl ether (ETBE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
tert-Amyl methyl ether (TAME)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
t-Butyl alcohol (t-Butanol)	SW8260B	3/9/2009	10	1	10.0	ND	µg/L	R18915
1,2-Dibromoethane (EDB)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
1,2-Dichloroethane (EDC)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Xylenes, Total	SW8260B	3/9/2009	1.5	1	1.50	ND	µg/L	R18915
Surr: Dibromofluoromethane	SW8260B	3/9/2009	0	1	61.2-131	101	%REC	R18915
Surr: 4-Bromofluorobenzene	SW8260B	3/9/2009	0	1	64.1-120	87.8	%REC	R18915
Surr: Toluene-d8	SW8260B	3/9/2009	0	1	75.1-127	86.8	%REC	R18915
TPH (Gasoline)	SW8260B(TPH)	3/9/2009	50	1	50	ND	µg/L	G18915
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	3/9/2009	0	1	58.4-133	74.1	%REC	G18915

Report prepared for: Brian Doherty
TEC Accutite

Date Received: 3/5/2009
Date Reported: 3/13/2009

Client Sample ID: MW-4
Sample Location: 1435 Webster St
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/4/2009 11:21:00 AM

Lab Sample ID: 0903026-003
Date Prepared: 3/9/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Toluene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethylbenzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Methyl tert-butyl ether (MTBE)	SW8260B	3/9/2009	0.5	1	0.500	2.96	µg/L	R18915
Diisopropyl ether (DIPE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethyl tert-butyl ether (ETBE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
tert-Amyl methyl ether (TAME)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
t-Butyl alcohol (t-Butanol)	SW8260B	3/9/2009	10	1	10.0	ND	µg/L	R18915
1,2-Dibromoethane (EDB)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
1,2-Dichloroethane (EDC)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Xylenes, Total	SW8260B	3/9/2009	1.5	1	1.50	ND	µg/L	R18915
Surr: Dibromofluoromethane	SW8260B	3/9/2009	0	1	61.2-131	114	%REC	R18915
Surr: 4-Bromofluorobenzene	SW8260B	3/9/2009	0	1	64.1-120	97.5	%REC	R18915
Surr: Toluene-d8	SW8260B	3/9/2009	0	1	75.1-127	81.9	%REC	R18915
TPH (Gasoline)	SW8260B(TPH)	3/9/2009	50	1	50	ND	µg/L	G18915
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	3/9/2009	0	1	58.4-133	74.1	%REC	G18915

Report prepared for: Brian Doherty
TEC Accutite

Date Received: 3/5/2009
Date Reported: 3/13/2009

Client Sample ID: MW-6
Sample Location: 1435 Webster St
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/4/2009 10:55:00 AM

Lab Sample ID: 0903026-004
Date Prepared: 3/9/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Toluene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethylbenzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Methyl tert-butyl ether (MTBE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Diisopropyl ether (DIPE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethyl tert-butyl ether (ETBE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
tert-Amyl methyl ether (TAME)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
t-Butyl alcohol (t-Butanol)	SW8260B	3/9/2009	10	1	10.0	ND	µg/L	R18915
1,2-Dibromoethane (EDB)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
1,2-Dichloroethane (EDC)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Xylenes, Total	SW8260B	3/9/2009	1.5	1	1.50	ND	µg/L	R18915
Surr: Dibromofluoromethane	SW8260B	3/9/2009	0	1	61.2-131	88.6	%REC	R18915
Surr: 4-Bromofluorobenzene	SW8260B	3/9/2009	0	1	64.1-120	93.2	%REC	R18915
Surr: Toluene-d8	SW8260B	3/9/2009	0	1	75.1-127	82.4	%REC	R18915
TPH (Gasoline)	SW8260B(TPH)	3/9/2009	50	1	50	ND	µg/L	G18915
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	3/9/2009	0	1	58.4-133	71.6	%REC	G18915

Report prepared for: Brian Doherty
TEC Accutite

Date Received: 3/5/2009
Date Reported: 3/13/2009

Client Sample ID: MW-7
Sample Location: 1435 Webster St
Sample Matrix: GROUNDWATER
Date/Time Sampled 3/4/2009 1:24:00 PM

Lab Sample ID: 0903026-005
Date Prepared: 3/9/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Benzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Toluene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethylbenzene	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Methyl tert-butyl ether (MTBE)	SW8260B	3/9/2009	0.5	1	0.500	0.530	µg/L	R18915
Diisopropyl ether (DIPE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Ethyl tert-butyl ether (ETBE)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
tert-Amyl methyl ether (TAME)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
t-Butyl alcohol (t-Butanol)	SW8260B	3/9/2009	10	1	10.0	ND	µg/L	R18915
1,2-Dibromoethane (EDB)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
1,2-Dichloroethane (EDC)	SW8260B	3/9/2009	0.5	1	0.500	ND	µg/L	R18915
Xylenes, Total	SW8260B	3/9/2009	1.5	1	1.50	ND	µg/L	R18915
Surr: Dibromofluoromethane	SW8260B	3/9/2009	0	1	61.2-131	89.3	%REC	R18915
Surr: 4-Bromofluorobenzene	SW8260B	3/9/2009	0	1	64.1-120	89.6	%REC	R18915
Surr: Toluene-d8	SW8260B	3/9/2009	0	1	75.1-127	88.1	%REC	R18915
TPH (Gasoline)	SW8260B(TPH)	3/9/2009	50	1	50	ND	µg/L	G18915
Surr: 4-Bromofluorobenzene	SW8260B(TPH)	3/9/2009	0	1	58.4-133	72.4	%REC	G18915

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

CLIENT: TEC Accutite
Work Order: 0903026
Project: 15812/1435 Webster St

ANALYTICAL QC SUMMARY REPORT

BatchID: G18915

Sample ID MB-G18915	SampType: MBLK	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915						
Client ID: ZZZZZ	Batch ID: G18915	TestNo: SW8260B(TP)	Analysis Date: 3/9/2009	SeqNo: 272727							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	ND	50									
Surr: 4-Bromofllurobenzene	9.000	0	11.36	0	79.2	58.4	133				

Sample ID LCS-G18915	SampType: LCS	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915						
Client ID: ZZZZZ	Batch ID: G18915	TestNo: SW8260B(TP)	Analysis Date: 3/9/2009	SeqNo: 272728							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	227.3	50	227	0	100	52.4	127				
Surr: 4-Bromofllurobenzene	9.500	0	11.36	0	83.6	58.4	133				

Sample ID LCSD-G18915	SampType: LCSD	TestCode: TPH_GAS_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915						
Client ID: ZZZZZ	Batch ID: G18915	TestNo: SW8260B(TP)	Analysis Date: 3/9/2009	SeqNo: 272729							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline)	233.0	50	227	0	103	52.4	127	227.3	2.48	20	
Surr: 4-Bromofllurobenzene	9.100	0	11.36	0	80.1	58.4	133	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: TEC Accutite
Work Order: 0903026
Project: 15812/1435 Webster St

ANALYTICAL QC SUMMARY REPORT

BatchID: P18934

Sample ID MB_P18934	SampType: MBLK	TestCode: 8260B_W_PE	Units: µg/L	Prep Date: 3/10/2009	RunNo: 18934						
Client ID: ZZZZZ	Batch ID: P18934	TestNo: SW8260B	Analysis Date: 3/10/2009	SeqNo: 272972							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.500									
Toluene	ND	0.500									
Ethylbenzene	ND	0.500									
Methyl tert-butyl ether (MTBE)	ND	0.500									
Diisopropyl ether (DIPE)	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
tert-Amyl methyl ether (TAME)	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	10.0									
1,2-Dibromoethane (EDB)	ND	0.500									
1,2-Dichloroethane (EDC)	ND	0.500									
Ethanol	ND	100									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	10.74	0	11.36	0	94.5	61.2	131				
Surr: 4-Bromofluorobenzene	9.990	0	11.36	0	87.9	64.1	120				
Surr: Toluene-d8	10.69	0	11.36	0	94.1	75.1	127				

Sample ID LCS_P18934	SampType: LCS	TestCode: 8260B_W_PE	Units: µg/L	Prep Date: 3/10/2009	RunNo: 18934						
Client ID: ZZZZZ	Batch ID: P18934	TestNo: SW8260B	Analysis Date: 3/10/2009	SeqNo: 272973							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	14.03	0.500	17.04	0	82.3	66.9	140				
Toluene	16.50	0.500	17.04	0	96.8	76.6	123				
Surr: Dibromofluoromethane	9.070	0	11.36	0	79.8	61.2	131				
Surr: 4-Bromofluorobenzene	11.07	0	11.36	0	97.4	64.1	120				
Surr: Toluene-d8	10.09	0	11.36	0	88.8	75.1	127				

Sample ID LCSD_P18934	SampType: LCSD	TestCode: 8260B_W_PE	Units: µg/L	Prep Date: 3/10/2009	RunNo: 18934						
Client ID: ZZZZZ	Batch ID: P18934	TestNo: SW8260B	Analysis Date: 3/10/2009	SeqNo: 272974							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	14.92	0.500	17.04	0	87.6	66.9	140	14.03	6.15	20	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: TEC Accutite
Work Order: 0903026
Project: 15812/1435 Webster St

ANALYTICAL QC SUMMARY REPORT

BatchID: P18934

Sample ID	LCSD_P18934	SampType:	LCSD	TestCode:	8260B_W_PE	Units:	µg/L	Prep Date:	3/10/2009	RunNo:	18934
Client ID:	ZZZZZ	Batch ID:	P18934	TestNo:	SW8260B			Analysis Date:	3/10/2009	SeqNo:	272974
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	16.83	0.500	17.04	0	98.8	76.6	123	16.5	1.98	20	
Surr: Dibromofluoromethane	9.610	0	11.36	0	84.6	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	10.23	0	11.36	0	90.1	64.1	120	0	0	0	
Surr: Toluene-d8	10.66	0	11.36	0	93.8	75.1	127	0	0	0	

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: TEC Accutite
Work Order: 0903026
Project: 15812/1435 Webster St

ANALYTICAL QC SUMMARY REPORT

BatchID: R18915

Sample ID MB-R18915	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915
Client ID: ZZZZZ	Batch ID: R18915	TestNo: SW8260B		Analysis Date: 3/9/2009	SeqNo: 272723

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	0.500									
1,1-Dichloroethane	ND	0.500									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	0.500									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dichloroethane (EDC)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
2,2-Dichloropropane	ND	0.500									
2-Chloroethyl vinyl ether	ND	1.00									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
Acetone	ND	10.0									
Benzene	ND	0.500									
Bromobenzene	ND	0.500									
Bromochloromethane	ND	0.500									
Bromodichloromethane	ND	0.500									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									

Qualifiers:	E Value above quantitation range ND Not Detected at the Reporting Limit	H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits
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CLIENT: TEC Accutite
Work Order: 0903026
Project: 15812/1435 Webster St

ANALYTICAL QC SUMMARY REPORT

BatchID: R18915

Sample ID MB-R18915	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915
Client ID: ZZZZZ	Batch ID: R18915	TestNo: SW8260B		Analysis Date: 3/9/2009	SeqNo: 272723

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	0.500									
Chloroform	ND	0.500									
Chloromethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Dibromochloromethane	ND	0.500									
Dibromomethane	ND	0.500									
Dichlorodifluoromethane	ND	0.500									
Diisopropyl ether (DIPE)	ND	0.500									
Ethyl tert-butyl ether (ETBE)	ND	0.500									
Ethylbenzene	ND	0.500									
Freon-113	ND	1.00									
Hexachlorobutadiene	ND	0.500									
Isopropylbenzene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	0.500									
Methylene chloride	ND	5.00									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
t-Butyl alcohol (t-Butanol)	ND	5.00									
tert-Amyl methyl ether (TAME)	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
trans-1,3-Dichloropropene	ND	0.500									
Trichloroethene	ND	0.500									
Trichlorofluoromethane	ND	0.500									

Qualifiers:	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike Recovery outside accepted recovery limits

CLIENT: TEC Accutite
Work Order: 0903026
Project: 15812/1435 Webster St

ANALYTICAL QC SUMMARY REPORT

BatchID: R18915

Sample ID MB-R18915	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915
Client ID: ZZZZZ	Batch ID: R18915	TestNo: SW8260B		Analysis Date: 3/9/2009	SeqNo: 272723

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.500									
Xylenes, Total	ND	1.50									
Surr: Dibromofluoromethane	10.19	0	11.36	0	89.7	61.2	131				
Surr: 4-Bromofluorobenzene	9.800	0	11.36	0	86.3	64.1	120				
Surr: Toluene-d8	10.41	0	11.36	0	91.6	75.1	127				

Sample ID LCS-R18915	SampType: LCS	TestCode: 8260B_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915
Client ID: ZZZZZ	Batch ID: R18915	TestNo: SW8260B		Analysis Date: 3/9/2009	SeqNo: 272724

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	14.02	1.00	17.04	0	82.3	61.4	129				
Benzene	15.31	0.500	17.04	0	89.8	66.9	140				
Chlorobenzene	17.60	0.500	17.04	0	103	73.9	137				
Toluene	16.65	0.500	17.04	0	97.7	76.6	123				
Trichloroethene	16.04	0.500	17.04	0	94.1	69.3	144				
Surr: Dibromofluoromethane	9.160	0	11.36	0	80.6	61.2	131				
Surr: 4-Bromofluorobenzene	10.05	0	11.36	0	88.5	64.1	120				
Surr: Toluene-d8	11.18	0	11.36	0	98.4	75.1	127				

Sample ID LCSD-R18915	SampType: LCSD	TestCode: 8260B_W	Units: µg/L	Prep Date: 3/9/2009	RunNo: 18915
Client ID: ZZZZZ	Batch ID: R18915	TestNo: SW8260B		Analysis Date: 3/9/2009	SeqNo: 272725

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	14.83	1.00	17.04	0	87.0	61.4	129	14.02	5.62	20	
Benzene	15.55	0.500	17.04	0	91.3	66.9	140	15.31	1.56	20	
Chlorobenzene	14.56	0.500	17.04	0	85.4	73.9	137	17.6	18.9	20	
Toluene	14.83	0.500	17.04	0	87.0	76.6	123	16.65	11.6	20	
Trichloroethene	15.95	0.500	17.04	0	93.6	69.3	144	16.04	0.563	20	
Surr: Dibromofluoromethane	9.280	0	11.36	0	81.7	61.2	131	0	0	0	
Surr: 4-Bromofluorobenzene	10.94	0	11.36	0	96.3	64.1	120	0	0	0	
Surr: Toluene-d8	10.99	0	11.36	0	96.7	75.1	127	0	0	0	

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



262 Michelle Court
 South San Francisco, CA 94080
 Ph No.: (650)616 1200, Fax No.: (650)616 1244

CHAIN OF CUSTODY

0903026

Lab Work Order #: _____

Project Name: 1435 Webster				Report to: <u>Brian</u>		Analysis Required						Turn-around Time (work days)					
Project Address: 1435 Webster St. Alameda, CA				tecaccutite@gmail.com								ASAP	1 Day	2 Days	3 Days		
Global ID: T0600100766				Bill to: TEC Accutite (650) 616-1200		8260 TPHg BTEX oxygenates, lead scavengers						5 Days 10 Days Other:					
Sampler: BD Date: <u>3/4/09</u>				PO #: <u>15812</u>								Sample Type					
EDF												Report Format					
Remarks																	
Field Point ID	Sample ID	Sample Matrix	# of Containers	Container Type	Sample Date & Time												
MW-2	MW-2	W	3	VOAs w/ HCl	3/4/09 1155	✓											Run to ESLs
MW-3	MW-3	W	3	VOAs w/ HCl	3/4/09 1030	✓											
MW-4	MW-4	W	3	VOAs w/ HCl	3/4/09 1121	✓											
MW-6	MW-6	W	3	VOAs w/ HCl	3/4/09 1055	✓											
MW-7	MW-7	W	3	VOAs w/ HCl	3/4/09 1324	✓											
MW-8	MW-8	W	3	VOAs w/ HCl	3/4/09 1309	✓											
Relinquished by: <u>Brian Doherty</u>				Date: <u>3/5/09</u>		Time: <u>3:45 PM</u>		Received by: <u>M. L. Chandelara</u>				Date: <u>3/5/09</u>		Time: <u>3:45 P.M.</u>			
Relinquished by:				Date:		Time:		Received by:				Date:		Time:			

Pick-up Temp. 3°C

ATTACHMENT C

GEOTRACKER SUBMISSION CONFIRMATIONS





STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	EDF - Monitoring Report - Quarterly
<u>Submittal Title:</u>	First Quarter 2009 Groundwater Monitoring Report
<u>Facility Global ID:</u>	T0600100766
<u>Facility Name:</u>	OLYMPIAN #112
<u>File Name:</u>	TEC_Accutite_0902026_Webster_EDF[1].zip
<u>Organization Name:</u>	TEC Accutite
<u>Username:</u>	TEC-OLYMPIAN
<u>IP Address:</u>	67.126.45.211
<u>Submittal Date/Time:</u>	3/24/2009 9:08:49 AM
<u>Confirmation Number:</u>	4914223790

[VIEW QC REPORT](#)[VIEW DETECTIONS REPORT](#)

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UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	GEO_WELL
<u>Submittal Title:</u>	First Quarter 2009 Groundwater Monitoring Report
<u>Facility Global ID:</u>	T0600100766
<u>Facility Name:</u>	OLYMPIAN #112
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	TEC Accutite
<u>Username:</u>	TEC-OLYMPIAN
<u>IP Address:</u>	67.126.45.211
<u>Submittal Date/Time:</u>	3/24/2009 9:10:31 AM
<u>Confirmation Number:</u>	9816048741

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GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

<u>Submittal Type:</u>	GEO_REPORT
<u>Report Title:</u>	First Quarter 2009 Groundwater Monitoring Report
<u>Report Type:</u>	Monitoring Report - Quarterly
<u>Report Date:</u>	3/25/2009
<u>Facility Global ID:</u>	T0600100766
<u>Facility Name:</u>	OLYMPIAN #112
<u>File Name:</u>	2009_3_4_Q1 QMR_FINAL_1435 Webster_322-1-09.pdf
<u>Username:</u>	TEC Accutite
<u>Username:</u>	TEC-OLYMPIAN
<u>IP Address:</u>	67.126.45.211
<u>Submittal Date/Time:</u>	3/25/2009 3:37:33 PM
<u>Confirmation Number:</u>	2230251491

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