



Technology, Engineering & Construction, Inc.

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April 20, 2007

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: MONITORING WELL INSTALLATION REPORT

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

Dear Mr. Plunkett:

On behalf of Olympian, TEC Accutite is pleased to submit this Monitoring Well Installation Report for the above referenced site for your review.

Thank you for your cooperation and assistance on this project. If you have any questions, please call Marc Mullaney at (650) 616-1209.

Sincerely,
TEC Accutite

Morgan A. Reed
Project Geologist

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

MONITORING WELL INSTALLATION REPORT

**1435 WEBSTER STREET
ALAMEDA, CALIFORNIA**

PREPARED FOR:

**OLYMPIAN
AND
ALAMEDA COUNTY HEALTH AGENCY**

APRIL 2007



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1.0 INTRODUCTION

On behalf of Olympian, TEC Accutite installed two new monitoring wells at the former Olympian Service Station located at 1435 Webster Street in Alameda, California. New onsite monitoring wells MW-7 and MW-8 are located within and near the area in which remedial soil excavation was conducted during February 2007. Presented below are the site background and the details of well installation activities.

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 and one 7,500-gallon diesel underground storage tanks (USTs), two dispenser islands and a 500-gallon waste oil UST. A Vicinity Map and a Site Map are presented as Figures 1 and 2, respectively.

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

October 1988, Soil Gas Survey: In October 1988, *CHIPS Environmental Consultants, Inc.* performed soil gas analysis at the subject site. High soil gas readings were found on the eastern side of one of the pump islands, between the pump islands, and from backfill between the gasoline storage tanks.

September 1989, Tank Removal: In September 1989, TEC Accutite removed two 10,000-gallon gasoline USTs, one 7,500-gallon diesel UST and one 500-gallon waste oil UST. Analysis of soil samples collected during removal of the USTs detected hydrocarbons at a maximum concentration of 220 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg), 430 ppm Total Petroleum Hydrocarbons as diesel (TPHd), and 650 ppm Total Recoverable Petroleum Hydrocarbons as Oil and Grease (TRPH).

January 1991, Soil Excavation: Remedial excavation of the hydrocarbon impacted soil was conducted by *AAA Tank Removal / Forcade Excavations Services*. 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, Well Installation: *Uriah Environmental Services, Inc.* installed three monitoring wells onsite (MW-1 through MW-3). Soil samples collected during the well installation contained no detectable concentrations of petroleum hydrocarbons. Bi-annual groundwater monitoring was initiated. Dissolved-phase hydrocarbons have been detected in all wells at variable concentrations.

February 1999, Soil Borings: TEC Accutite advanced four borings (B-1 through B-4) on- and off-site to determine the extent of hydrocarbon impact to soil and groundwater. Analysis of soil samples detected non-significant concentrations of TPHg, benzene, toluene, ethyl-benzene, xylenes (BTEX), and methyl tert-butyl ether (MTBE). Analysis of groundwater samples detected hydrocarbon concentrations up to 6,000 parts per billion (ppb) MTBE and 38,000 ppb benzene.

December 1999, Well Installations: TEC Accutite installed three additional wells, MW-4 through MW-6, to define the extent of dissolved-phase hydrocarbons and to assess the plume stability. Analysis of soil samples detected hydrocarbon concentrations of 1,100 ppm TPHg, 200



ppm TPHd and 3.4 ppm benzene from soil collected at 9.5 feet below grade (fbg) in well MW-5. No hydrocarbons were detected in the soil samples collected during the installation of wells MW-4 and MW-6. Groundwater monitoring wells MW-6 and MW-3 defined the dissolved-phase hydrocarbon plume upgradient of the former dispenser islands and cross-gradient of the former USTs.

November 2000, Site Conceptual Model: TEC Accutite completed a site conceptual model (SCM). Based on historical quarterly monitoring data, it was determined that the contaminant plume was unstable and undefined downgradient. Given the shallow groundwater elevation (9 fbg) and estimated high permeability of soils beneath the site, the potential for benzene vapor-phase migration from hydrocarbon affected groundwater to indoor and ambient air was identified as an exposure pathway requiring further evaluation.

June 2001, Soil Borings: TEC Accutite advanced four additional borings (B-1 through B-4) to assess the extent of the plume off the site. Soil samples were collected approximately 9 fbg within the capillary fringe from soil borings B-1 through B-4. No petroleum hydrocarbons were detected in the soil above laboratory reporting limits. Insignificant concentrations of petroleum hydrocarbons were detected in groundwater samples collected from downgradient and cross gradient soil borings B-1 through B-4. The greatest concentration of petroleum hydrocarbons was detected in boring B-3 at 400 ppb TPHg and 3 ppb MTBE. MTBE was detected in all soil boring groundwater samples below 5 ppb.

The greatest concentration of dissolved phase petroleum hydrocarbons were detected in monitoring well MW-1 at 18,000 ppb TPHg, 1,200 ppb benzene, and 1,500 ppb MTBE. Dissolved phase concentrations of TPHg, benzene, and MTBE in surrounding monitoring wells were either non-detect or insignificant.

February 2002, Risk Assessment: To address the potential exposure pathway identified in the SCM, TEC Accutite performed a site-specific risk assessment. The risk assessment addressed the potential inhalation risk posed by hydrocarbon impacted groundwater beneath the site assuming both residential and commercial land use scenarios. The compounds of concern were identified as TPHg and benzene. TPHg was assessed using the TPH fractional methodology developed by TPH Criteria Working Group. The calculated annual regional mean concentrations for benzene and TPHg were 2,988 ppb and 23,137 ppb, respectively. The results of the risk assessment found that concentrations of TPHg in groundwater beneath the site were below the calculated site specific target level concentrations (SSTL's) for residential and commercial scenarios. Therefore, TPHg remaining in groundwater beneath the site does not present an inhalation risk. Benzene concentrations in groundwater exceed the SSTL for a residential scenario (110 ppb) but are less than the SSTL for a commercial scenario (6,400 ppb).

The results of the risk assessment suggest that benzene in groundwater beneath the site may present an inhalation risk, assuming residential land use. The risk assessment was based on the Johnson & Ettinger Vapor Fate and Transport Model, which often overestimates actual vapor concentrations at the point of exposure by factors of 10 to 100. Rather than proceed with site closure under restricted commercial land use, a soil vapor survey was recommended to validate the exposure pathway.

May 2003, Soil Vapor Investigation: In May 2003, TEC Accutite conducted a soil vapor investigation at the site. Eight soil vapor samples (SV-1 through SV-7, duplicate sample SV-7) were collected at selected locations by advancing a 1-inch diameter chrome-moly steel probe equipped with a steel drop tip into the ground to a depth of 3.5 fbg. The objective of the soil vapor investigation was to evaluate potential human exposure to site contaminants created by vapors emanating off impacted groundwater and intruding into indoor air (inhalation risk). Soil vapor was withdrawn from the formation into a small calibrated syringe connected with an on-off valve. Following sample collection, the valve was closed and the sample was immediately transferred to a state certified onsite laboratory for analysis.



Soil vapor sampling results were either non-detectable or detected below the Environmental Screening Levels (ESLs). Inhalation risk associated with exposure to vapors emanating off impacted groundwater beneath the site determined to be an invalid exposure pathway.

September 2005, Updated Site Conceptual Model: TEC Accutite completed an updated site conceptual model as required by the ACEH for site closure review. After careful evaluation of all available data, it was determined that there are uncertainties of benzene vapor concentration on-site and current groundwater conditions off-site. Therefore, TEC Accutite recommends verification sampling before the proposal for site closure.

June 2006, Soil Investigation: On June 12, 2006, TEC Accutite advanced 8 direct-push soil borings (SP-1 through SP-8) to 12 feet bsg to assess the lateral and vertical extent of petroleum hydrocarbon impact to soil in the vicinity of the former dispenser islands. All borings except for boring SP-6 were found to contain petroleum hydrocarbon concentrations above constituent ESLs.

November 2006, Pre-Excavation Soil Investigation: On November 15, 2006, TEC Accutite advanced 17 direct-push soil borings (CB-1 through CB-17) to demarcate the aerial extent of the planned soil excavation. Borings CB-1 through CB-9 were placed along the edges of the estimated excavation area, and additional borings were "stepped-out" from these edges until PID readings suggested petroleum hydrocarbon concentrations below ESLs or until the edge of the feasible excavation area was reached.

Soils were found to contain petroleum hydrocarbons at concentrations below ESLs and/or laboratory detection limits at depths shallower than 8 feet bsg, identifying shallow soils as available backfill material. Following the observed concentrations of petroleum hydrocarbons in soils between 10 and 12 feet bsg, the boundaries of the excavation were expanded to the west.

A geophysical analysis of site soils was conducted, yielding a classification of SP to SP-SM under the United Soil Classification System (USCS). Due to the lack of cohesiveness of these materials, it was determined that sloping or shoring would be required to maintain the integrity of the walls of the excavation.

December 2006, Confirmation Sampling and Monitoring Well Abandonment: On December 27, 2006, TEC Accutite advanced an additional 5 soil borings (DB-1 through DB-5) in order to collect soil samples for waste disposal. Five samples from between 8 and 12 feet bsg were combined into a single composite sample for TCLP benzene and a fish bioassay.

The composite soil sample contained a benzene concentration of 100 ug/L, which classified site soils as Class II waste. The 96-hour bioassay with flathead minnows yielded zero dead and a LC50 of greater than 500 mg/L.

Monitoring well MW-1 was within a few feet of the planned excavation limits. In discussions with Alameda County Public Works, it was decided that this well should be properly destroyed to prevent potential damage to the well. Monitoring well MW-5 was located just within the boundary where shoring was to be placed and was required to be properly abandoned. Accordingly, both wells were abandoned on December 27, 2006 by pressure grouting. Well boxes were removed during excavation activities.

February 2007, Soil Excavation, Groundwater Pumping, and Backfill: During February 2007, an interim remedial action was conducted at the subject site. Asphalt removal and shoring installation took place on February 7 and 8, 2007. On February 12 and 13, a total of 992.54 tons of soil were excavated and disposed of at *Forward Landfill* in Manteca, California. The excavation area was 29 feet wide, 70 feet long, and approximately 14 feet deep. Backfilling was conducted between February 14 and 16, 2007 and incorporated 717.35 tons of Tidewater sand compacted in place to 95% or better, 99.04 tons of drainrock at the deepest level of the



excavation, and 1050 pounds of Oxygen Releasing Compound™ to enhance biodegradation of remaining petroleum hydrocarbons in soil and groundwater.

On February 12 and 13, 2007, approximately 15,000 gallons of groundwater with observed sheen were pumped from the open excavation pit and stored in 6,000 gallon tanks onsite. Prior to discharge to the sanitary sewer under a permit from EBMUD, groundwater was sediment and carbon-filtered, and discharged according to permit conditions.

This report documents the monitoring well installation completed in March 2007 on the eastern edge of the subject property following excavation activities.

4.0 MONITORING WELL INSTALLATION

The locations of the newly-installed monitoring wells are illustrated on Figure 2. The permit from the Alameda County Public Works Agency Water Resources Department for the well installations is presented as Attachment A; boring logs and California Department of Water Resources well completion reports are presented as Attachment B; well development field logs are presented as Attachment C; and well survey data are presented as Attachment D.

4.1 Scope of Work

In preparation for the remedial soil excavation conducted during February 2007, two onsite monitoring wells (MW-1 and MW-5) were abandoned on December 27, 2006. The former wells were located within or immediately adjacent to the soil excavation area. In a phone conversation with the ACDPW, it was decided that both wells would need to be properly abandoned because the proposed excavation would very likely damage or destroy both wells. Monitoring wells MW-7 and MW-8 were installed near the locations of former wells MW-5 and MW-1, respectively.

- Project Personnel:** Project Geologist Nathan W. Smith conducted all fieldwork.
- Permits:** Alameda County Public Works Agency- Water Resources Well Permit W2007-0273 and 0274 (Attachment A).
- Drilling Co:** Gregg Drilling, C57# 485 165.
- Drilling Dates:** March 9, 2007.
- Number of Wells:** Two (2): monitoring wells MW-7 and MW-8.
- Drilling Method:** Wells were bored by a hollow-stem auger drilling rig. Sampling was completed by the split-spoon sampling method.
- Well Depth:** Both wells terminate at 20 feet bsg.
- Sediment Lithology:** Sediments observed above 15 feet bsg in the boring for well MW-7 represent backfill material from the February 2007 remedial soil excavation. These are dark gray fine sands with approximately 5% silt. A lower unit, observed between 15 and 20 feet bsg in both wells MW-7 and MW-8, consists of tan to green fine silty sands. The upper unit in well MW-8 consists of medium brown fine silty sands (Attachment B).
- Depth to Water:** During drilling, water was encountered at 15 feet bsg in well MW-7. Water was not observed during drilling in well MW-8.



- Well Construction:** Wells MW-7 and MW-8 are screened with a 0.020 inch slotted screen from 10 to 20 ft bsg with a schedule 40 PVC blank from 0 to 10 ft bsg. Annular material consists of #2-12 clean sand pack from 9 to 20 ft bsg with a bentonite seal from 7 to 9 ft bsg. Wells were completed to the surface with neat cement grout.
- Well Development:** All wells were developed on March 16, 2007 by the 'purge and surge' method.
- Well Survey:** All wells were surveyed by Virgil Chavez Land Surveying (PLS #6323) on March 19, 2007.
- Sample Technique:** Soil samples were collected at 5 foot intervals from 0 to 20 ft bsg by driving a split spoon sampler lined with brass sampling tubes into undisturbed sediments at the bottom of the boring. All collected soil samples were labeled, covered with Teflon liners, capped, and stored on ice until analysis.
- Based on field observations, one soil sample was selected to be sent to Entech Analytical, a California State Certified Laboratory, under chain-of-custody for analysis.
- Laboratory Analysis:** A soil sample from well MW-8 at 10 feet bsg was analyzed for TPHg by GC/MS, TPHd by EPA method 8015B(M), and BTEX by EPA method 8260B.
- Soil Disposal:** Soil cuttings from the installation of wells MW-7 and MW-8 and purged groundwater from well development were temporarily stored onsite pending removal and disposal by a certified transportation and disposal company.

4.2 Soil Sampling Results

One soil sample was submitted for laboratory analysis from the boring for well MW-8 at 10 feet bsg. Concentrations of all petroleum hydrocarbons were below laboratory detection limits. A soil sample was not taken from the boring for well MW-7 as this boring was located on the margin of the excavation area.

5.0 CONCLUSIONS AND RECOMMENDATIONS

- The soil sample MW-8@10fbg did not contain petroleum hydrocarbons above laboratory reporting limits.
- TEC Accutite will advance approximately 4 additional off-site soil borings in order to complete off-site plume definition, as described in the TEC *Site Investigation and Remediation Workplan* dated February 16, 2006.
- TEC Accutite recommends the continuation of groundwater monitoring activities at this site, incorporating newly installed monitoring wells MW-7 and MW-8, in preparation for applying for site closure.



6.0 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 the opportunity to provide you with our services. If you have any questions, please call Marc Mullaney at (650) 616-1209.

Sincerely,
TEC Accutite

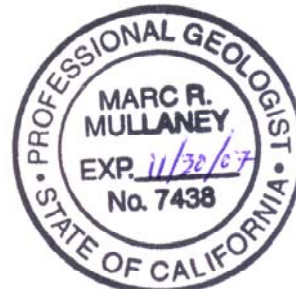


Morgan A. Reed
Project Geologist

Reviewed by:



Marc Mullaney, PG #7438
Project Manager



TABLE

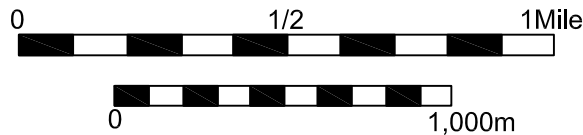
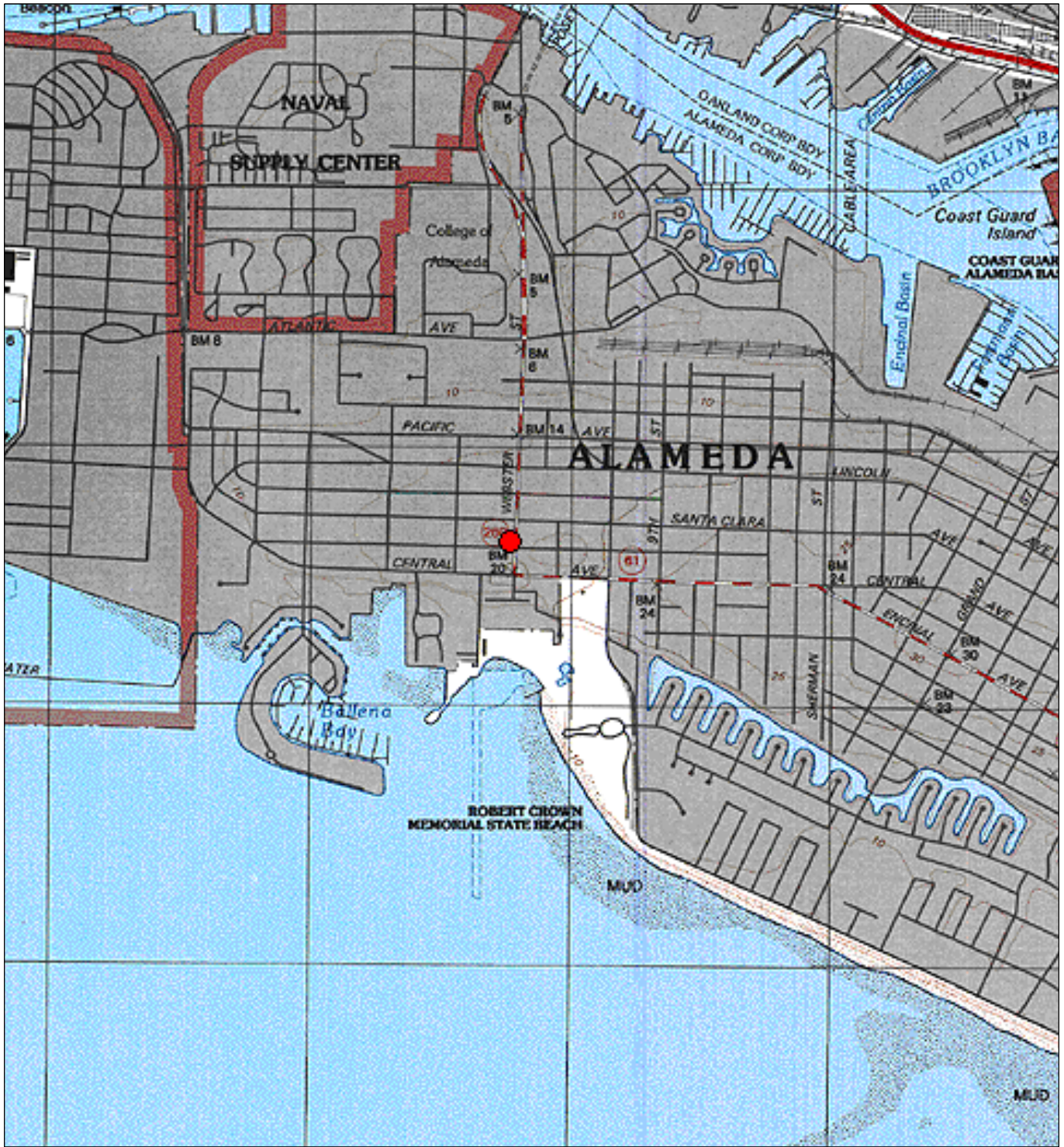
Table 1
Summary of Historical Soil Analytical Results
Former Olympian Service Station
1435 Webster Avenue
Alameda, California

Sample Point	Date	Depth	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Pb
Concentrations in parts per million (ppm) (mg/kg)										
MW-1	6/12/1993	?	ND	ND	ND	ND	ND	ND	NA	NA
MW-2	6/12/1993	?	ND	ND	ND	ND	ND	ND	NA	NA
MW-3	6/12/1993	?	ND	ND	ND	ND	ND	ND	NA	NA
B1	2/11/1999	7.5	0.65	<1.0	<0.005	<0.005	<0.005	<0.010	<0.005	<1.0
B2	2/11/1999	7.5	<0.5	<1.0	<0.005	<0.005	<0.005	<0.010	<0.005	2.0
B3	2/11/1999	6	<0.5	<1.0	<0.005	<0.005	<0.005	<0.010	<0.005	1.2
B4	2/11/1999	7.5	<0.5	<1.0	<0.005	<0.005	<0.005	<0.010	<0.005	1.2
MW-4	11/11/1999	9.5	<0.5	<1.0	<0.005	<0.005	<0.005	<0.010	<0.005	---
MW-5	11/10/1999	9.5	1,100	200	3.4	21	14	70	<0.005	---
MW-6	11/10/1999	9	<0.5	<1.0	<0.005	<0.005	<0.005	<0.010	<0.005	---
B1	6/27/2001	9	<0.5	---	<0.005	<0.005	<0.005	<0.01	<0.005	---
B2	6/27/2001	9	<0.5	---	<0.005	<0.005	<0.005	<0.01	<0.005	---
B3	6/27/2001	9	<0.5	---	<0.005	<0.005	<0.005	<0.01	<0.005	---
B4	6/27/2001	9	<0.5	---	<0.005	<0.005	<0.005	<0.01	<0.005	---
SP-1	6/12/2006	7.5	1600**	9.5 ^a	0.44	5	38	190	<4	---
SP-1	6/12/2006	10	1,530	12 ^a	3.5^J	23	28	150	<4	---
SP-2	6/12/2006	7	586***	8.8 ^a	0.033	<1	3.1	13	<2	---
SP-2	6/12/2006	10	360***	8.8 ^a	0.4	0.58 ^J	4.9	23	<2	---
SP-3	6/12/2006	8	114***	2.4 ^a	<1	2.2	1.7 ^J	9.4	<2	---
SP-3	6/12/2006	10	96.3***	5.5 ^a	0.46	1.4 ^J	1.2 ^J	7	<2	---
SP-4	6/12/2006	4	0.0308	<2	<0.01	0.01	0.01	0.051	<0.01	---
SP-4	6/12/2006	7.5	1,240	29 ^a	0.72	2	12	61	<4	---
SP-4	6/12/2006	10	1,410	150 ^a	6.30	45	18	93	<4	---
SP-5	6/12/2006	7	758**	42 ^a	0.24	1.7 ^J	4	35	<4	---
SP-5	6/12/2006	10	1,100**	68 ^a	0.39	16	23	140	<4	---
SP-6	6/12/2006	7	5.83***	64 ^a	0.019 ^J	0.037	0.48	0.71	<0.025	---
SP-6	6/12/2006	10	2.78***	3.8 ^a	<0.02	0.0066	0.027	0.053	<0.02	---
SP-7	6/12/2006	7.5	1,100***	200 ^a	0.032	0.027	0.066	0.29	<0.02	---
SP-7	6/12/2006	10	328***	8.5 ^a	0.019 ^J	2.1 ^J	3.3^J	18	<4	---
SP-8	6/12/2006	7	3,430	270 ^a	0.21	4.8^J	40	160	<20	---
SP-8	6/12/2006	10	1,350	160 ^a	<10	20	31	160	<20	---
CB-2	11/15/2006	6	<0.5	<2.5*	< 0.01	<0.01	<0.01	<0.01	<0.05	---
CB-2	11/15/2006	10	8,800	<120*	<20	190	92	490	<100	---
CB-4	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-4	11/15/2006	12	2,100	<120*	<5.0	14	21	52	<25	---

Table 1
Summary of Historical Soil Analytical Results
Former Olympian Service Station
1435 Webster Avenue
Alameda, California

Sample Point	Date	Depth	TPHg	TPHd	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Pb
Concentrations in parts per million (ppm) (mg/kg)										
CB-5	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-5	11/15/2006	12	0.7	<2.5*	<0.01	<0.01	0.013	0.067	<0.05	---
CB-6	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-6	11/15/2006	12	8,000	<12*	57	190	94	500	<50	---
CB-7	11/15/2006	12	---	---	---	---	---	---	---	11
CB-8	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-8	11/15/2006	10	1,800	<5.0*	<5.0	<5.0	26	150	<25	4.8
CB-9	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-9	11/15/2006	10	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-10	11/15/2006	8	2.2	<2.5*	<0.01	<0.01	0.012	<0.01	<0.05	---
CB-10	11/15/2006	12	2,800	<12*	<10	34	45	200	<50	---
CB-11	11/15/2006	8	0.53	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-11	11/15/2006	12	300	<62*	<2.0	3.8	4.8	25	<10	---
CB-12	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-12	11/15/2006	12	<0.50	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-14	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-14	11/15/2006	12	1.0	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-16	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-17	11/15/2006	8	<0.5	<2.5	<0.01	<0.01	<0.01	<0.01	<0.05	---
CB-17	11/15/2006	12	10,000	<50*	<20	170	120	640	<100	---
MW-8	3/9/2007	10	<0.1	<2.5	<.005	<.005	<.005	<.010	<.005	---
ESLs:			100	100	0.044	2.9	3.3	2.3	0.023	150
Notes:										
--- = Not Analyzed ? = Depth unknown										
ND = No Detection at or above laboratory reporting limits										
TPHg = Total petroleum hydrocarbons as gasoline, EPA Method 8015.										
TPHd = Total petroleum hydrocarbons as diesel, EPA Method 8015.										
Benzene, Ethylbenzene, Toluene, Xylenes, EPA Method 8020.										
MTBE = Methyl tert-butyl ether, EPA Method 8020										
Pb = Lead, Method 7420										
* No diesel pattern present.										
** Hydrocarbons responded in gasoline range, but pattern does not match typical gasoline (possibly aged gasoline).										
*** Hydrocarbons responded in gasoline range, but pattern does not match typical gasoline (heavy end).										
^a Sample chromatogram does not resemble typical diesel pattern. Unidentified lighter end hydrocarbons within the diesel range quantitated as diesel.										
^j Value should be considered estimated.										

FIGURES



● Site Location
Map By: TOPO!
Date: 04/19/2007
Drafted By: LC

SITE
1435 Webster Street
Alameda, California



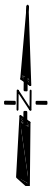
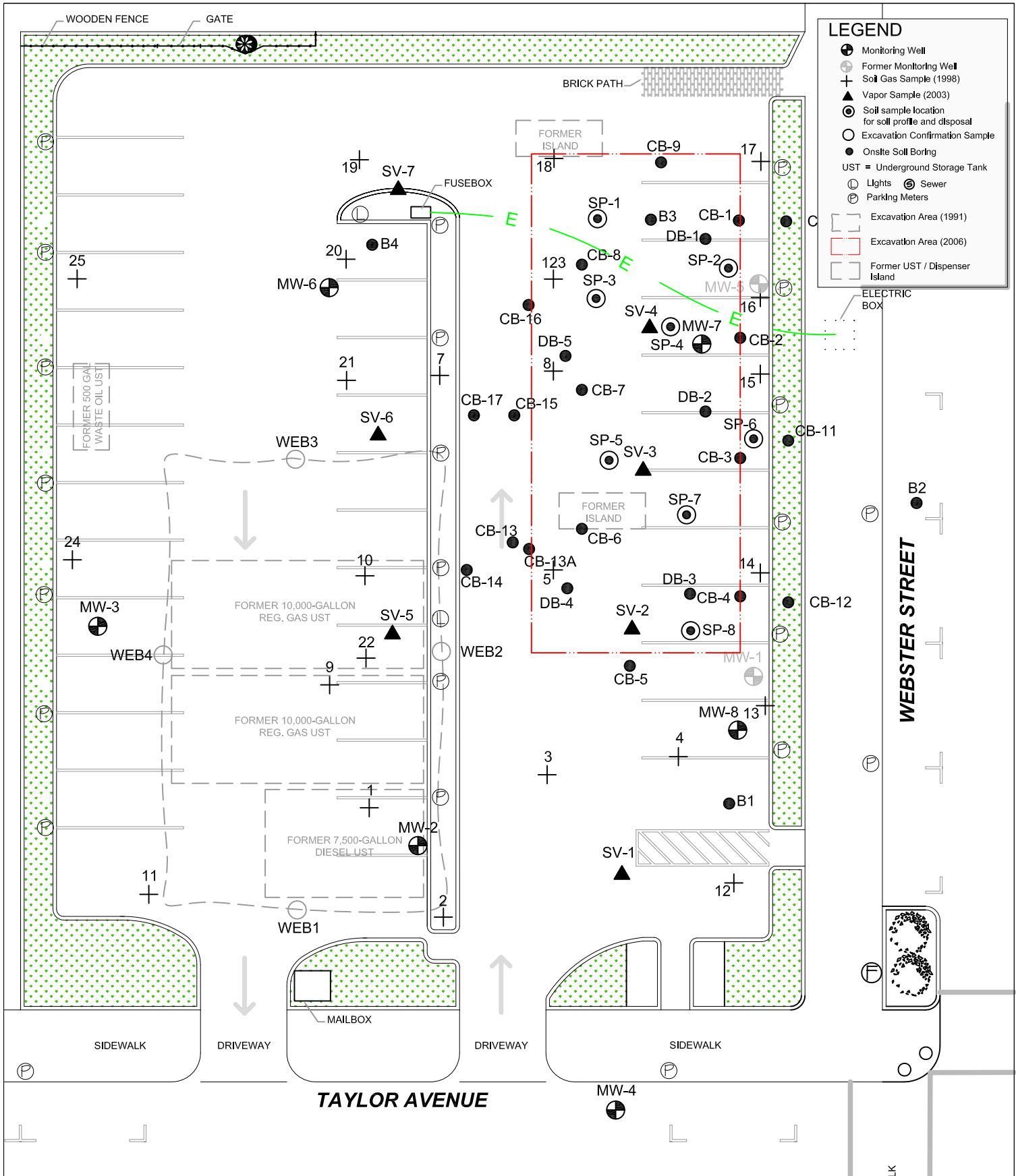
262 Michelle Court
So. San Francisco, CA 94080
Main: (650) 616-1200
Fax: (650) 616-1244

FIGURE

TITLE

1

Vicinity Map



Revision: 1
Date: 04/19/2007
Drafted By: LC



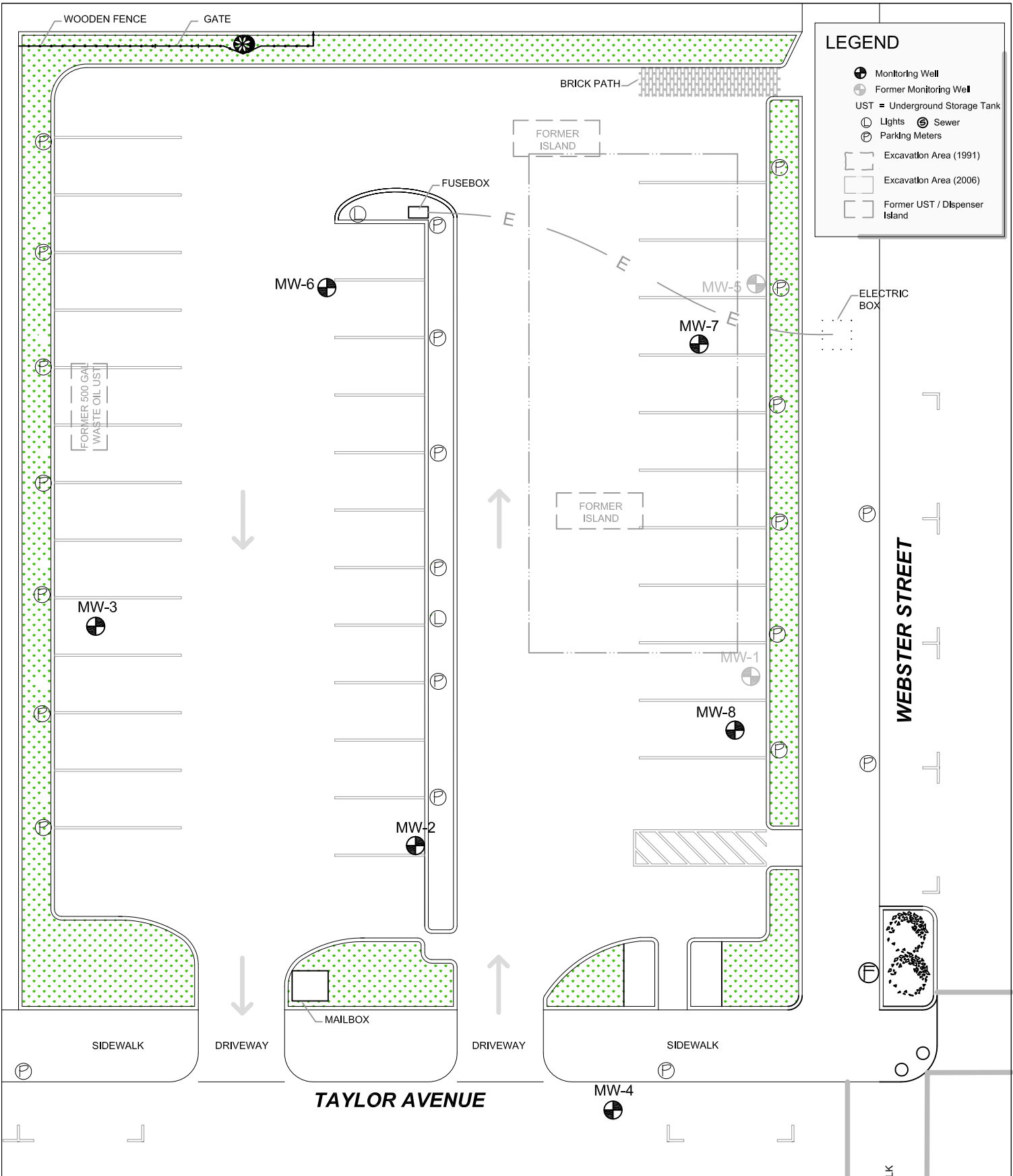
262 Michelle Court
So. San Francisco, CA 94080
Main: (650) 616-1200
Fax: (650) 616-1244

SITE
1435 Webster Street
Alameda, California

FIGURE
2

Site Map

S:\1 Environmental_Sites\Omp\plan\1435 Webster\FIGURES\Well_Jnsa\W1_1435 Webster_0407.dwg 4/19/2007 2:45:50 PM



LEGEND

- Monitoring Well
- ⊕ Former Monitoring Well
- UST = Underground Storage Tank
- ⊙ Lights
- ⊗ Sewer
- Ⓟ Parking Meters
- ⌈⌋ Excavation Area (1991)
- ⌈⌋ Excavation Area (2006)
- ⌈⌋ Former UST / Dispenser Island



Revision: 1
Date: 04/19/2007
Drafted By: LC

TEC
accutite

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

SITE
1435 Webster Street
Alameda, California

FIGURE
3

Site Map
Monitoring Wells

ATTACHMENT A:

PERMIT



Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/05/2007 By jamesy

Permit Numbers: W2007-0273 to W2007-0274
Permits Valid from 03/12/2007 to 03/12/2007

Application Id: 1172712524164
Site Location: 1435 Webster St.
Project Start Date: 03/12/2007

City of Project Site: Alameda

Completion Date: 03/12/2007

Applicant: TEC Accutite - Marc Mullaney
262 Michelle Court, South San Francisco, CA 94080
Property Owner: _ Geoffrey A. Farrar and George P. Harrison

Phone: 650-616-1209

Phone: --

Client: Trust
P.O. Box 1701, Chico, CA 95927
_ Olympian JV
1300 Industrial Ave., Suite 2, San Carlos, CA 94070

Phone: --

Receipt Number: WR2007-0108	Total Due:	\$600.00
Payer Name : Eddy A Tabet	Total Amount Paid:	\$600.00
	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 2 Wells
Driller: Gregg Drilling and Testing - Lic #: 485165 - Method: hstem

Work Total: \$600.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2007-0273	03/05/2007	06/10/2007	MW-7	8.00 in.	2.00 in.	8.00 ft	20.00 ft
W2007-0274	03/05/2007	06/10/2007	MW-8	8.00 in.	2.00 in.	8.00 ft	20.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with

Alameda County Public Works Agency - Water Resources Well Permit

appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
 7. Minimum surface seal thickness is two inches of cement grout placed by tremie
 8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
 9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
-

ATTACHMENT B:
CALIFORNIA DEPARTMENT OF WATER RESOURCES
WELL COMPLETION REPORTS
AND
BORING LOGS





Technology, Engineering & Construction, Inc.

262 Michelle Court • So. San Francisco, CA 94080-6201 • Contractor's Lic. #762034
Tel: (650) 616-1200 • Fax: (650) 616-1244 • www.tecaccutite.com

March 30, 2007

Department of Water Resources
Central District
3251 S Street
Sacramento, California 95816

SUBJECT: WELL COMPLETION REPORTS FOR NEW WELLS

SITE: FORMER OLYMPIAN SERVICE STATION
1435 Webster Street
Alameda, California 94501

To Whom It May Concern:

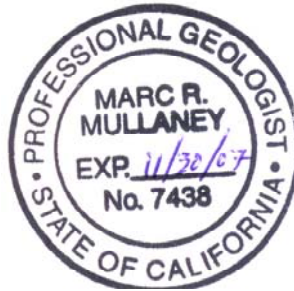
TEC Accutite is submitting the attached Well Completion Reports for new wells MW-7 (e052311) and MW-8 (e052310) located at 1435 Webster Street, Alameda, California.

If you have any questions or concerns, please contact me at (650) 616-1209 or mmullaney@tecaccutite.com.

Sincerely,

A handwritten signature in blue ink that reads 'Marc Mullaney'.

Marc Mullaney, PG #7438
Project Manager



CONFIDENTIAL

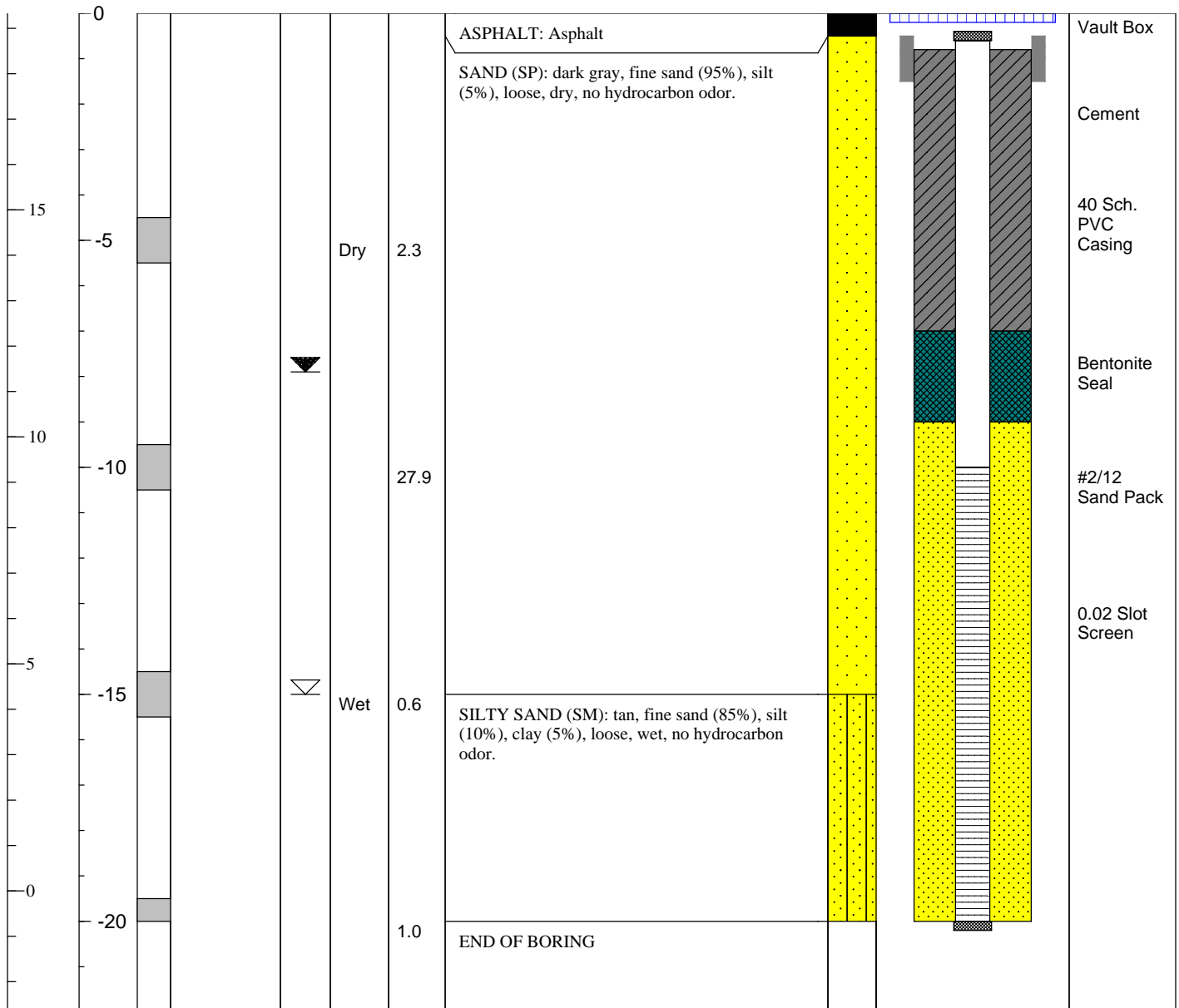
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

TEC ACCUTITE	Well Log	MONITORING WELL
		MW-7

CLIENT: <u>Olympian Oil</u>	TOTAL DEPTH: <u>20 ft bsg</u>
LOCATION: <u>1435 Webster, Alameda</u>	WELL DEVELOPMENT DATE: <u>03/16/2007</u>
DRILLING COMPANY: <u>Gregg Drilling</u>	SURFACE ELEVATION: <u>19.33 ft msl</u>
DRILLING METHOD: <u>Hollow-Stem Auger</u>	WELL CASING ELEVATION: <u>18.93 ft msl</u>
WELL DIAMETER: <u>4 inches</u>	SCREENED INTERVAL: <u>10-20 ft bsg</u>
GEOLOGIST: <u>N.W.Smith</u>	FIRST ENCOUNTERED WATER: <u>15 ft bsg</u>
PE/RG: <u>M.Mullaney PG#7438</u>	STATIC WATER LEVEL: <u>7.90 ft bsg (3/29/2007)</u>
DATE STARTED: <u>03/09/2007</u> DATE COMPLETED: <u>03/09/2007</u>	SAMPLING METHOD: <u>split-spoon</u>

ELEVATION (ft msl)	DEPTH (ft bgs)	VIEWED INT.	SAMPLE ID	WATER LEVEL	MOISTURE	PID (ppm)	LITHOLOGIC DESCRIPTION (Field observation unless noted)	LITHOLOGIC SYMBOL	WELL CONSTRUCTION
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CONFIDENTIAL

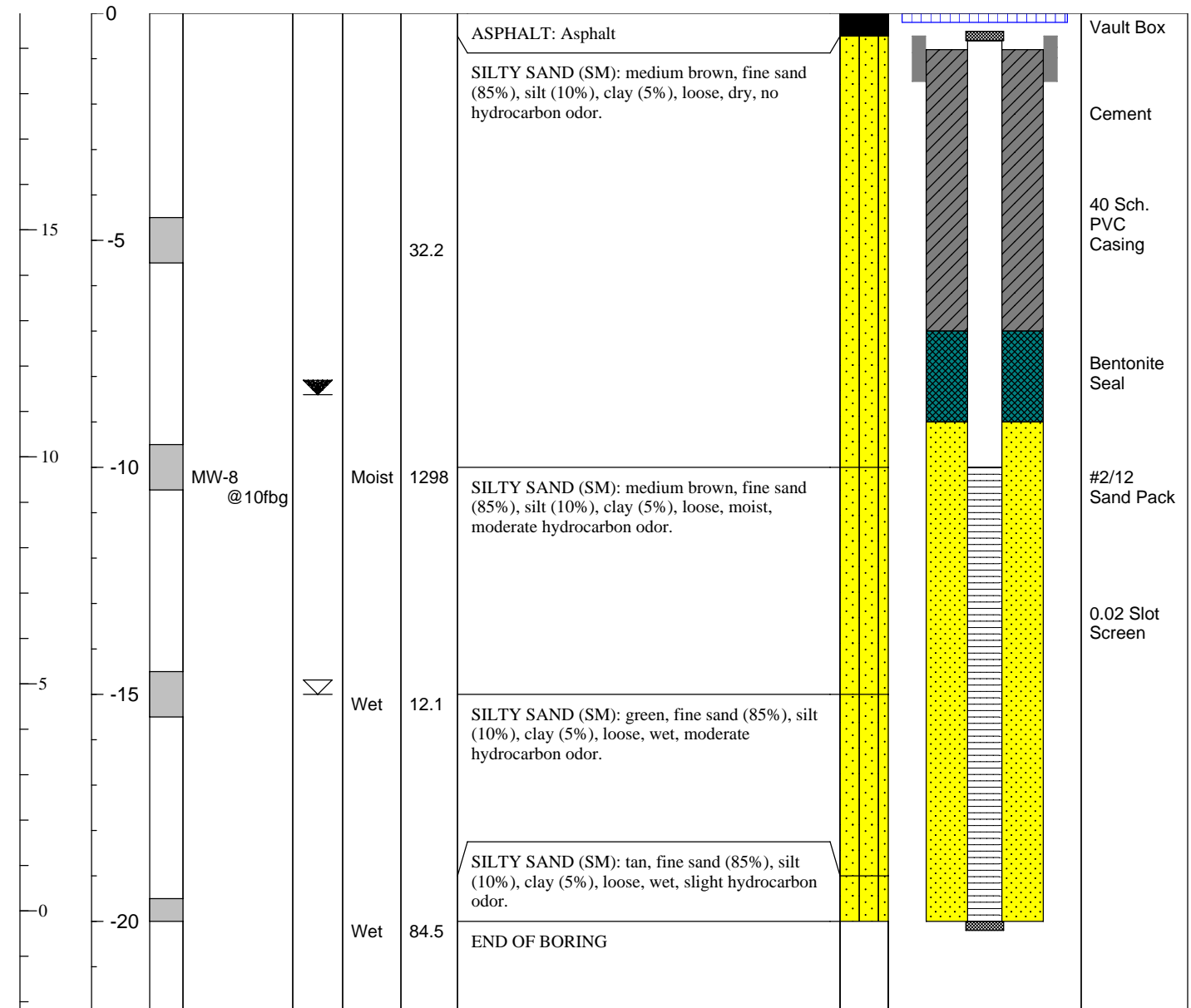
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

TEC ACCUTITE	Well Log	MONITORING WELL
		MW-8

CLIENT: <u>Olympian Oil</u>	TOTAL DEPTH: <u>20 ft bsg</u>
LOCATION: <u>1435 Webster, Alameda</u>	WELL DEVELOPMENT DATE: <u>03/16/2007</u>
DRILLING COMPANY: <u>Gregg Drilling</u>	SURFACE ELEVATION: <u>19.77 ft msl</u>
DRILLING METHOD: <u>Hollow-Stem Auger</u>	WELL CASING ELEVATION: <u>19.33 ft msl</u>
WELL DIAMETER: <u>4 inches</u>	SCREENED INTERVAL: <u>10-20 ft bsg</u>
GEOLOGIST: <u>N.W.Smith</u>	FIRST ENCOUNTERED WATER: <u>15 ft bsg</u>
PE/RG: <u>M.Mullaney PG#7438</u>	STATIC WATER LEVEL: <u>8.40 ft bsg (3/29/2007)</u>
DATE STARTED: <u>03/09/2007</u> DATE COMPLETED: <u>03/09/2007</u>	SAMPLING METHOD: <u>split-spoon</u>

ELEVATION (ft msl)	DEPTH (ft bgs)	VIEWED INT.	SAMPLE ID	WATER LEVEL	MOISTURE	PID (ppm)	LITHOLOGIC DESCRIPTION (Field observation unless noted)	LITHOLOGIC SYMBOL	WELL CONSTRUCTION
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ATTACHMENT C:
WELL DEVELOPMENT FIELD LOGS



TEC Accutite
Well Development Data Sheet

Client Name: Olympian	Manager: Marc Mullaney	Well ID: MW-8 ^(AW) MW-7
Site Address: 1435 Webster	Date: 3/16/07	Well Diameter: 4"
	Method: Surge & Purge	Technician: Anthony
Pugging Equipment: sub pump	Odor: None	If Free Product, thickness: N/A
Depth to Water (DTW): pre-development = 7.61 post-development = 11.3*	Total Well Depth (DTB): pre-development = 19.2 post-development = 19.85	DTB-DTW = 11.59
1 Case Volume (gal) = 7.53	x 10 Case Vol. (gal) = 75.33	Dewater ?: NO

Well Diameter	Volume/ft
2"	0.17
4"	0.65
6"	1.47

Field Measurements

Time (2400 hr)	Temp. (celsius)	pH (units)	Conductivity (µmhos/cm)	Turbidity (NTUs)	Color (visual)	Amount Purged (gal.)	Comments
1125							Started Surging (~15 min)
1140							Stopped Surging
1145	18.2	5.65	137.8	High	dk Brn	7.53	
1151	18.3	6.24	292	 	 	15.06	
1153	18.4	6.34	318	 	light brown	21.59	
1156	18.8	6.49	337	 	 	29.12	
1159	19.0	6.52	335	 	 	36.65	
1207	19.2	6.49	333	MOD	Almost Clear	44.18	
1215	19.0	6.49	324	LOW	Clear	51.71	

* = Rising rapidly

**ATTACHMENT D:
WELL SURVEY DATA**



Virgil Chavez Land Surveying

721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

March 30, 2007
Project No.: 2114-03A
Revised

Marc Mullaney
TEC Accutite
262 Michelle Court
South San Francisco, CA 94080

Subject: Monitoring Well Survey
1435 Webster Street
Alameda, CA

Dear Marc:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on March 19, 2007. The benchmark for this survey was a USC&GS benchmark in catch basin top east side of Park and approximately 100 feet north of centerline of Otis Dr. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 8.14 feet (NGVD 29).

<u>Latitude</u>	<u>Longitude</u>	<u>Northing</u>	<u>Easting</u>	<u>Elev.</u>	<u>Desc.</u>
				20.59	RIM MW-6
37.7727476	-122.2771778	2108713.83	6048039.51	20.27	TOC MW-6
				19.33	RIM MW-7
37.7727224	-122.2769964	2108703.65	6048091.76	18.93	TOC MW-7
				19.77	RIM MW-8
37.7725779	-122.2769925	2108651.02	6048091.90	19.33	TOC MW-8



Sincerely,

Virgil D. Chavez

 Virgil D. Chavez, PLS 6323

ATTACHMENT E:
LABORATORY ANALYTICAL REPORT
AND
CHAIN-OF-CUSTODY DOCUMENTATION



Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Nate Smith

TEC Accutite

262 Michelle Court

South San Francisco, CA 94080

Lab Certificate Number: 54377

Issued: 03/19/2007

P.O. Number: 12900

Global ID: T0600100766

Project Name: 1435 Webster

Project Location: Alameda, CA

Certificate of Analysis-Revision

Note: This is a revision of the original 03-19-07 issue to correct sample ID per client request.

On March 12, 2007, a sample was received under chain of custody for analysis.


Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Solid	TPH-Extractable with SGCU: EPA 3630C / EPA 8015B(M) TPH-Purgeable: GC/MS VOCs: EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).

If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

TEC Accutite
262 Michelle Court
South San Francisco, CA 94080
Attn: Nate Smith

Project Name: 1435 Webster
Project Location: Alameda, CA
GlobalID: T0600100766
P.O. Number: 12900
Samples Received: 03/12/2007
Sample Collected by: Client

Certificate of Analysis - Data Report

Lab # : 54377-001 Sample ID: MW-8@10 fbg Matrix: Solid Sample Date: 3/9/2007

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/13/2007	SM3E070313E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/13/2007	SM3E070313E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/13/2007	SM3E070313E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	3/13/2007	SM3E070313E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/13/2007	SM3E070313E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.0	60 - 130
Dibromofluoromethane	91.2	60 - 130
Toluene-d8	99.8	60 - 130

Analyzed by: Mfelix
Reviewed by: EricKum

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	µg/Kg	N/A	N/A	3/13/2007	SM3E070313E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106	60 - 130
Dibromofluoromethane	98.6	60 - 130
Toluene-d8	105	60 - 130

Analyzed by: Mfelix
Reviewed by: EricKum

TPH-Extractable with SGCU: EPA 3630C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		0.99	2.5	mg/Kg	3/13/2007	SD070313AS	3/15/2007	SD070313AS

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	55.7	28 - 129

Analyzed by: NBocalan
Reviewed by: jhsiang

Entech Analytical Labs, Inc.

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

Method Blank - Solid - TPH-Extractable with SGCU: EPA 3630C / EPA 8015B(M)

QC/Prep Batch ID: SD070313AS

Validated by: jhsiang - 03/15/07

QC/Prep Date: 3/13/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	2.5	mg/Kg
Surrogate for Blank	% Recovery	Control Limits		
o-Terphenyl	42.3	28 - 129		

Entech Analytical Labs, Inc.

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

Method Blank - Solid - VOCs: EPA 8260B

QC Batch ID: SM3E070313E

Validated by: EricKum - 03/14/07

QC Batch Analysis Date: 3/13/2007

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	5.0	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Toluene	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	87.4	60 - 130
Dibromofluoromethane	88.3	60 - 130
Toluene-d8	101	60 - 130

Method Blank - Solid - TPH-Purgeable: GC/MS

QC Batch ID: SM3E070313E

Validated by: EricKum - 03/14/07

QC Batch Analysis Date: 3/13/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	100	µg/Kg

Surrogate for Blank % Recovery Control Limits

4-Bromofluorobenzene	96.7	60 - 130
Dibromofluoromethane	96.6	60 - 130
Toluene-d8	108	60 - 130

Entech Analytical Labs, Inc.

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

LCS / LCSD - Solid - TPH-Extractable with SGCU: EPA 3630C / EPA 8015B(M)

QC Batch ID: SD070313AS

Reviewed by: jhsiang - 03/15/07

QC/Prep Date: 3/13/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	26.3	mg/Kg	52.6	45 - 140
TPH as Motor Oil	<10	50	25.3	mg/Kg	50.7	45 - 140
Surrogate	% Recovery	Control Limits				
o-Terphenyl	47.7	28 - 129				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<2.5	50	27.2	mg/Kg	54.4	3.3	30.0	45 - 140
TPH as Motor Oil	<10	50	28.7	mg/Kg	57.4	13	30.0	45 - 140
Surrogate	% Recovery	Control Limits						
o-Terphenyl	52.9	28 - 129						

Entech Analytical Labs, Inc.

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

LCS / LCSD - Solid - VOCs: EPA 8260B

QC Batch ID: SM3E070313E

Reviewed by: EricKum - 03/14/07

QC Batch ID Analysis Date: 3/13/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	30.3	µg/Kg	75.8	70 - 135
Benzene	<5.0	40	37.6	µg/Kg	94.0	70 - 135
Chlorobenzene	<5.0	40	35.4	µg/Kg	88.5	70 - 135
Methyl-t-butyl Ether	<5.0	40	40.3	µg/Kg	101	70 - 135
Toluene	<5.0	40	38.2	µg/Kg	95.5	70 - 135
Trichloroethene	<5.0	40	36.3	µg/Kg	90.8	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101.0	60 - 130
Dibromofluoromethane	91.0	60 - 130
Toluene-d8	104.0	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.6	µg/Kg	94.0	22	30.0	70 - 135
Benzene	<5.0	40	43.8	µg/Kg	110	15	30.0	70 - 135
Chlorobenzene	<5.0	40	40.4	µg/Kg	101	13	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	38.0	µg/Kg	95.0	5.9	30.0	70 - 135
Toluene	<5.0	40	43.1	µg/Kg	108	12	30.0	70 - 135
Trichloroethene	<5.0	40	40.8	µg/Kg	102	12	30.0	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	103.0	60 - 130
Dibromofluoromethane	96.7	60 - 130
Toluene-d8	98.1	60 - 130

LCS / LCSD - Solid - TPH-Purgeable: GC/MS

QC Batch ID: SM3E070313E

Reviewed by: EricKum - 03/14/07

QC Batch ID Analysis Date: 3/13/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<100	250	201	µg/kg	80.4	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	95.3	60 - 130
Dibromofluoromethane	92.2	60 - 130
Toluene-d8	104.0	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<100	250	254	µg/kg	102	23	30.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	100.0	60 - 130
Dibromofluoromethane	101.0	60 - 130
Toluene-d8	103.0	60 - 130

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

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

ELAP No. 2346

Attention to: <i>N.W. Smith</i>	Phone No.: <i>(650) 616-1250</i>	Purchase Order No.: <i>12900</i>	Invoice to: (If Different)	Phone:
Company Name: <i>T.E.C. ACCOUNT</i>	Fax No.: <i>(650) 616-1200</i>	Project No. / Name: <i>1435 WEBSTER,</i>	Company:	
Mailing Address: <i>2602 MICHELLE CT</i>	Email Address: <i>NSmith@entech.com</i> <i>m.mullen@entech.com</i>	Project Location: <i>ALAMEDA</i>	Billing Address: (If Different)	
City: <i>S.O. SF</i>	State: <i>CA</i> Zip Code: <i>94680</i>	Project Location: <i>↑</i>	City:	State: Zip:

Entech Order ID:	Turn Around Time	Circle Applicable
EDF <input type="checkbox"/>	<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 10 Day	
Global ID: <i>54377</i>	EPA 82-608 Full List EPA 82-70 Base/Neutral/Acid Organics EPA 82-70 Full List Pesticides-8081 EPA Extractable Diesel w/ Street Chemistry TPH Gas BTEX Made by EPA 8015/8021B Metals - Circle Below Total Dissolved STL/C TQ.P.	

Sample Information					Entech Lab. No.	Matrix	No. of Containers	Remarks Instructions
Client ID	Field Point	Date	Time	Sampler				
<i>NW-1086</i>		<i>3/9/07</i>	<i>8:01</i>	<i>S</i>	<i>5</i>	<i>1</i>	<i>X</i>	

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>3/12/07</i>	Time: <i>09:33</i>	Lab Use:
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>3/12/07</i>	Time: <i>14:40</i>	
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date:	Time:	Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Tl, Sn, Ti, Zn, V <input type="checkbox"/> Plating <input type="checkbox"/> LUFT-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PPM-13 <input type="checkbox"/> CAM-17

Lab Use: _____

Samples: Iced Y/N Temperature: _____ Shipment Method: _____

Appropriate Containers/Preservatives: Y/N Custody Seals? Y/N

Labels match CoC? Y/N Headspace? Y/N Separate Receipt Log Y/N

If any N's, Explain: _____

ATTACHMENT F:
GEOTRACKER SUBMISSION CONFIRMATIONS



Electronic Submittal Information

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Confirmation Number: 7741278529
Date/Time of Submittal: 4/17/2007 2:43:03 PM
Facility Global ID: T0600100766
Facility Name: OLYMPIAN #112
Submittal Title: Monitoring Well Installation Report
Submittal Type: Soil & Water Investigation Report

Click [here](#) to view the detections report for this upload.

OLYMPIAN #112
 1435 WEBSTER
 ALAMEDA, CA 94501

Regional Board - Case #: 01-0832
 SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000193
 ALAMEDA COUNTY LOP - (SP)

<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>
7741278529	Monitoring Well Installation Report	Q1 2007
<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
Nicholas Haddad	4/17/2007	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	0
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	SOIL

METHOD QA/QC REPORT

METHODS USED	8260TPH,CATFH,SW8260B
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8260B REQUIRES EDB TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a
 MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a
 SURROGATE SPIKES % RECOVERY BETWEEN 85-115% n/a
 BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a
 MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a
 SURROGATE SPIKES % RECOVERY BETWEEN 70-125% Y
 BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% Y

FIELD QC SAMPLES

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Submittal Title: Monitoring Wells MW-7 and
MW-8

Submittal Date/Time: 4/17/2007 11:55:44 AM

Confirmation
Number: **1667347550**

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OLYMPIAN #112 - T0600100766 - [BACK TO SUBMITTAL STATUS](#)

1435 WEBSTER
ALAMEDA, CA 94501

GEO_Z DATA

<u>Submitted By</u>		<u>Submitted Date</u>		<u>Confirmation #</u>		<u>Global ID</u>					
NICHOLAS HADDAD (AUTH_RP)		4/17/2007		8849247574		T0600100766					
#	<u>GLOBAL ID</u>	<u>FIELD PT NAME</u>	<u>ELEV SURVEY DATE</u>	<u>ELEVATION</u>	<u>ELEV METHOD</u>	<u>ELEV DATUM</u>	<u>ELEV ACC VAL</u>	<u>ELEV SURVEY ORG</u>	<u>RISER HT</u>	<u>ELEV DESC</u>	<u>EFFECTIVE DATE</u>
1	T0600100766	MW-7	3/19/2007	18.93	CGPS	29	0.5	Virgil Chavez Land Surveying			3/19/2007
2	T0600100766	MW-8	3/19/2007	19.33	CGPS	29	0.5	Virgil Chavez Land Surveying			3/19/2007

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<u>Facility Name:</u>	OLYMPIAN #112
<u>Global ID:</u>	T0600100766
<u>Field Pt Name:</u>	MW-7
<u>Submittal Type:</u>	GEO_BORE
<u>Submittal Date/Time:</u>	4/17/2007 12:05:08 PM
<u>Confirmation Number:</u>	2859087884

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<u>Facility Name:</u>	OLYMPIAN #112
<u>Global ID:</u>	T0600100766
<u>Field Pt Name:</u>	MW-8
<u>Submittal Type:</u>	GEO_BORE
<u>Submittal Date/Time:</u>	4/17/2007 12:07:39 PM
<u>Confirmation Number:</u>	7078648447

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