ConocoPhillips
76 Broadway
Sacramento, California 95818

October 9, 2009

Mr. Paresh C. Khatri
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

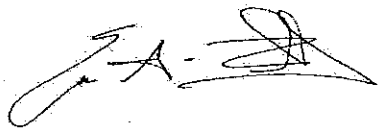
Re: **Additional Investigation Report**
76 Service Station Facility No. 2611270
3255 Mecartney Road
Alameda, California

Dear Mr. Khatri:

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

If you have any questions or need additional information, please call me at (916) 558-7604.

Sincerely,



Eric G. Hetrick
Site Manager
Risk Management & Remediation

October 13, 2009

Mr. Paresh C. Khatri
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Quarterly Status Report –
July through September 2009
76 Service Station No. 11270
3255 Mecartney Road
Alameda, California
Fuel Leak Case No. RO0000511

DELTA

Dear Mr. Khatri,

Delta Consultants (Delta) is submitting this subject report for the above referenced site.

Please contact Tony Perini at (408) 826-1867 if you have questions.

Sincerely,
Delta Consultants

FOR

Tony Perini.
Senior Project Manager, Remediation Lead

PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA

Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480

cc: Mr. Paul Supple – ARC (electronic copy only)

QUARTERLY STATUS REPORT
July through September 2009

76 Service Station No. 11270
3255 Mecartney Road
Alameda, California

County: Alameda

SITE DESCRIPTION

The site is an operational service station located within a developed shopping center at the northern corner of the intersection of Island Drive and Mecartney Road in Alameda, California (**Figure 1**). The site is located in a mixed commercial residential neighborhood.

Site features include three (3) gasoline underground storage tanks (USTs), two pump islands, a station building, and a service bay with two hoists (**Figure 2**). Present at the site are one 12,000-gallon fiberglass UST, one 10,000-gallon fiberglass UST, and one 6,000-gallon fiberglass UST installed in 1981.

SITE BACKGROUND AND ACTIVITY

BP acquired the site from Mobil in 1989 and TOSCO subsequently acquired the site from BP in 1994.

May 1990 - Two soil samples (P1 and P2) were collected from beneath the product dispensers during a routine dispenser modification. The samples were collected from material excavated to a depth of approximately 4.5 feet below ground surface (bgs). After additional excavation in the vicinity of sample location P1, one additional soil sample P1(8) was collected at a depth of approximately 8 feet bgs. Two sidewall samples (SW1 and SW2) were collected from the sidewalls of the product line trench in the vicinity of sample point P1 at a depth of approximately 4.5 feet bgs. All soil samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and total lead. Based on the petroleum hydrocarbon concentrations reported in sample SW1, additional soil was excavated 8 feet laterally and to a depth of approximately 8 feet bgs in the vicinity of sample location SW1. During over-excavation, water was encountered at approximately 8 feet bgs. Three soil samples (SW3, SW4, and SW5) were subsequently collected at depths of 8, 4.5, and 4.5 feet bgs and analyzed for TPHg, BTEX, and total lead. Based on the petroleum hydrocarbon concentrations reported in samples SW4 and SW5, additional soil was excavated 7 feet laterally and to a depth of approximately 8 feet bgs in the vicinity of samples SW4 and SW5. Four soil samples (SW6 through SW9) were collected from material excavated using a backhoe to a depth of approximately 4.5 feet bgs and analyzed for TPHg, BTEX, and total lead. Soil was not excavated south of sample location SW3 due to its proximity to the UST complex. A total of approximately 195 cubic yards of soil was excavated, aerated on-site and appropriately disposed off-site.

August 1992 - A preliminary site assessment was performed at the site involving the sampling of two pre-existing Mobil groundwater monitoring wells MW-2 and MW-4. Samples could not be collected from two additional pre-existing monitoring wells MW-1 and MW-3 due to insufficient recharge. Product sheen was observed on the purge water from all of the monitoring wells. Records of boring logs and well construction details for wells MW-1 through MW-4 could not be located.

October 1994 - As part of a supplemental site assessment, two exploratory soil borings (TB-1 and TB-2) were advanced to a depth of 11.5 feet bgs. Analytical results from the soil samples collected during the advancement of these two borings indicated that petroleum hydrocarbons were not present above the laboratory's indicated reporting limits. Groundwater samples collected from borings, TB-1 and TB-2 contained 1,500 parts per billion (ppb) and 310 ppb TPHg, respectively.

June 1993 - A 4-inch diameter groundwater monitoring well, MW-5, was installed off-site, near the western comer of the site. The MW-5 boring was advanced to a depth of 15 feet bgs.

January 1995 - One 4-inch diameter monitoring well, MW-6, was installed on-site and one 2-inch diameter monitoring well, MW-7, was installed off-site. Boring MW-6 was advanced to 15 feet bgs and MW-7 was advanced to 16.5 feet bgs. Groundwater was encountered in the monitoring wells at depths ranging from 5 to 7.5 feet bgs. Monitoring wells, MW-1 through MW-4, were subsequently destroyed in January 1995.

November 1996 - A Tier 2 risk-based corrective action (RBCA) evaluation was conducted to evaluate the potential exposure risk to residual benzene concentrations in on-site soils. The results of the evaluation indicated that the concentrations of benzene in soil 8 feet bgs should not pose a risk to on-site workers. Risks to potential hypothetical future residents reportedly exceeded the lower, more protective end of the Environmental Protection Agency (EPA) acceptable risk range. The evaluation also concluded that ongoing natural attenuation was likely to reduce residual benzene concentrations to below the acceptable risk range prior to the unlikely scenario of the site being converted to residential use.

December 1996 - The oil/water separator located on the floor of the vehicle service bay at the west side of the service station building was cleaned and removed. Two soil samples (OWS-1, 0.5' and OWS-1, 2') were subsequently collected from beneath the former oil/water separator location. Analytical results indicated that total recoverable petroleum hydrocarbons (TRPH) were present in the soil with a maximum concentration of 49 parts per million (ppm). All other constituents tested were below the laboratory's indicated reporting limits.

August 1997 - Samples of pea gravel base material (S-1 through S-4) were collected from the bottom of each dispenser and analyzed for TPHg, BTEX and methyl tertiary-butyl ether (MTBE).

July 1998 - One 1,000-gallon single-walled fiberglass used-oil UST was removed from the site. The removed UST was noted to be intact with no visible holes or cracks. One native soil sample (S-6-T1E) was collected from the eastern sidewall of the UST cavity at a depth of approximately 7 feet bgs.

August 2000 - On-site dispensers and product lines were removed and replaced. A total of four pea gravel samples (PD-1-2', PD-2-1.5', PD-3-1.5', and PD-4-1.5') were collected from beneath each of the four product dispensers, and four pea gravel samples (PL-3-1.5', PL-4-1.5', PL-61.5', and PL-7-1.5') were collected from beneath the product lines. Three pea gravel samples were also collected at each of the ends of the fuel USTs (F-1-4', F-2-4', and F-5-3').

SENSITIVE RECEPTORS

In November 1992, a sensitive receptor survey and existing well search were performed. No public water supply wells were identified within approximately 2,500 feet of the site. No private water supply wells were identified within 1,000 feet of the site. Additionally, no subways, basements, and schools were identified within 1,000 feet of the site. The survey identified a surface water body located approximately 500 feet from the site, but did not name it. As observed during a site visit by URS, this surface water body is a channel excavated as part of a residential development. Based on current aerial photo review, there appears to be more than one mile of channel before connecting to San Francisco Bay from the channel point closest to the site.

GROUNDWATER MONITORING AND SAMPLING

All groundwater monitoring wells were gauged and sampled on July 22, 2009, field notes are included as attachment A. During the monitoring event groundwater samples were analyzed for total purgeable petroleum hydrocarbons (TPPH), BTEX, MTBE, tertiary-butyl alcohol (TBA), tertiary-amyl-methyl ether (TAME), ethyl tertiary-butyl ether (ETBE), di-isopropyl ether (DIPE), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), and ethanol by EPA Method 8260B. Analytical results are presented in **Table 1**.

The groundwater gradient and flow direction were 0.013 foot per foot (ft/ft) to the northwest during the third quarter 2009 sampling event. A groundwater elevation contour map is presented as **Figure 3**.

Analytical results for the third quarter 2009 sampling event are discussed below:

TPPH: TPPH was below the laboratory's indicated reporting limits in each of the groundwater samples collected and submitted for analysis during the current event.

Benzene: was above the laboratory's indicated reporting limits in the groundwater sample collected and submitted for analysis from monitoring well XW-2 (1.5 micrograms per liter (µg/L)) during the current event.

MTBE: MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells XW-3 (1.4 µg/L), MW-6 (2.6 µg/L), and MW-7 (1.2 µg/L) during the current event.

Ethylbenzene, toluene, and total xylenes were above the laboratory's indicated reporting limits in the groundwater sample collected and submitted for analysis from monitoring well XW-2 at concentrations of 1.9 µg/L, 11 µg/L, and 12 µg/L, respectively during the current event.

All other constituents tested were below the laboratory's indicated reporting limits. Benzene, MTBE, and TPPH concentrations are shown on **Figure 4**. The laboratory analytical report is presented as **Attachment B.**

REMEDIATION STATUS

Active soil and/or groundwater remediation is not currently being conducted at the site.

CHARACTERIZATION STATUS

The site is monitored and sampled annually. The next monitoring and sampling event is scheduled for the third quarter 2010.

Previous annual sampling results indicate that the TPPH and benzene plume is stable and assessed within the current monitoring well network (**Table 1**). However, MTBE concentrations in groundwater were present in up-gradient monitoring wells XW-3, MW-6, and MW-7.

RECENT CORRESPONDENCE

On August 20, 2009, Delta met with the Alameda County Health Care Services Agency (ACHCSA) to discuss project activities. During this meeting the June 8, 2009 work plan for conducting a soil vapor survey was discussed. A letter from ACHCSA dated August 13, 2009 was provided to Delta and it was agreed that a work plan addendum would be prepared and submitted. Discussion was held on the options of using various methods, including direct-push technology, to place soil gas vapor probes below the pea gravel filled area into native material.

THIS QUARTER ACTIVITIES (Third Quarter 2009)

- Monitoring and sampling of the groundwater monitoring well network was conducted this quarter on July 22, 2009.
- Delta will complete and submit a third quarter 2009 status report.

NEXT QUARTER ACTIVITIES (Fourth Quarter 2009)

- This site is sampled on an annual basis in the Third Quarter. Therefore, the report will be completed by Delta in the Third Quarter 2010.
- Delta will initiate efforts with the ACHCSA to install the soil vapor points.

CONSULTANT: Delta Consultants

Figures

Figure 1: Site Locator
Figure 2: Site Plan
Figure 3: Groundwater Elevation Contour Map
Figure 4: Groundwater Concentration Map

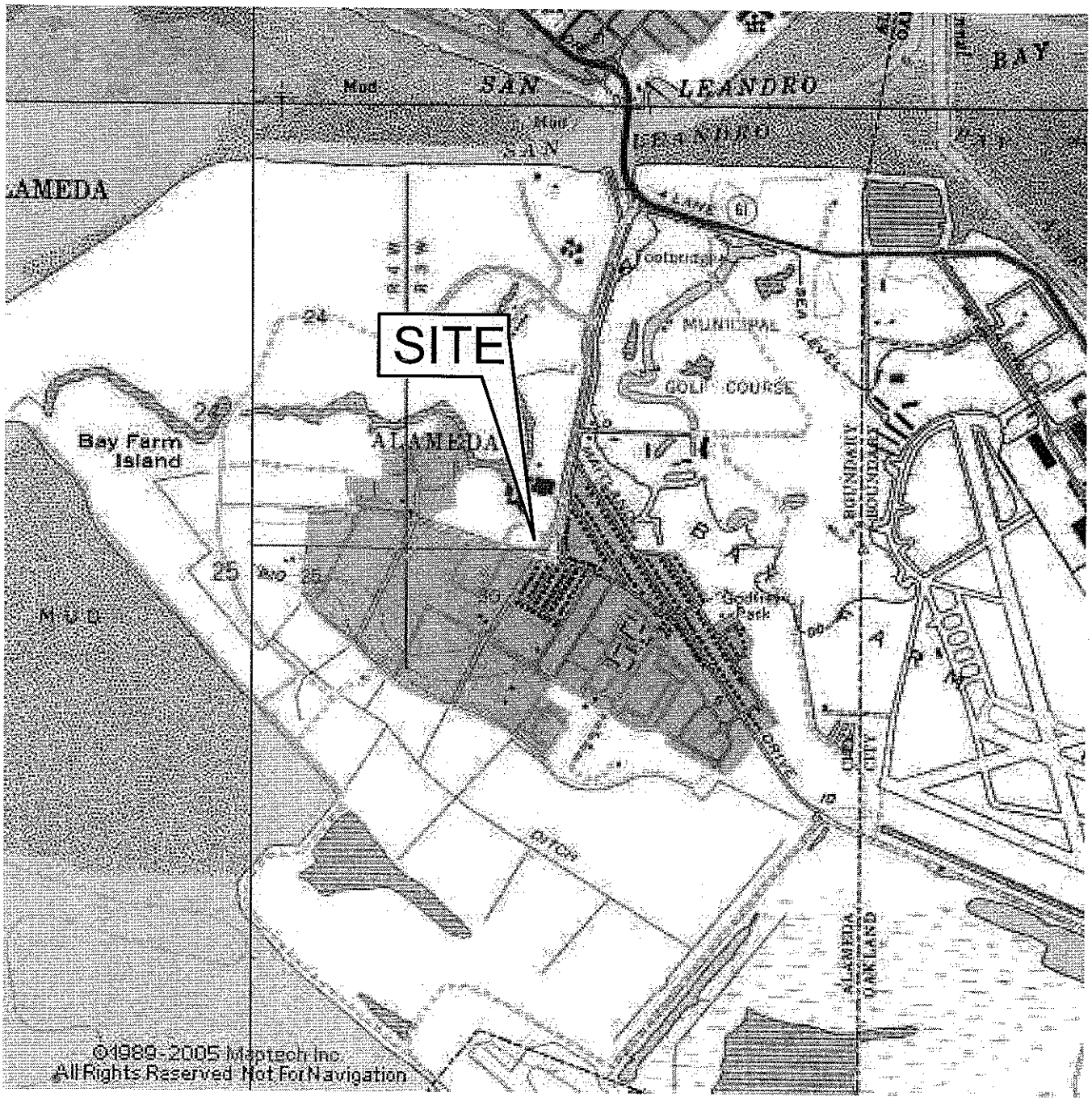
Tables

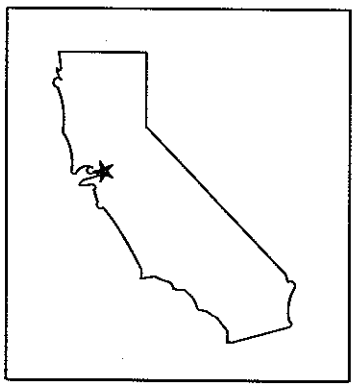
Table 1: Historical Groundwater Monitoring and Analytical Data

Attachments

Attachment A: Field Data Sheets
Attachment B: Laboratory Analytical Report

FIGURES





North

0 900 1800 FT

SCALE

FIGURE 1

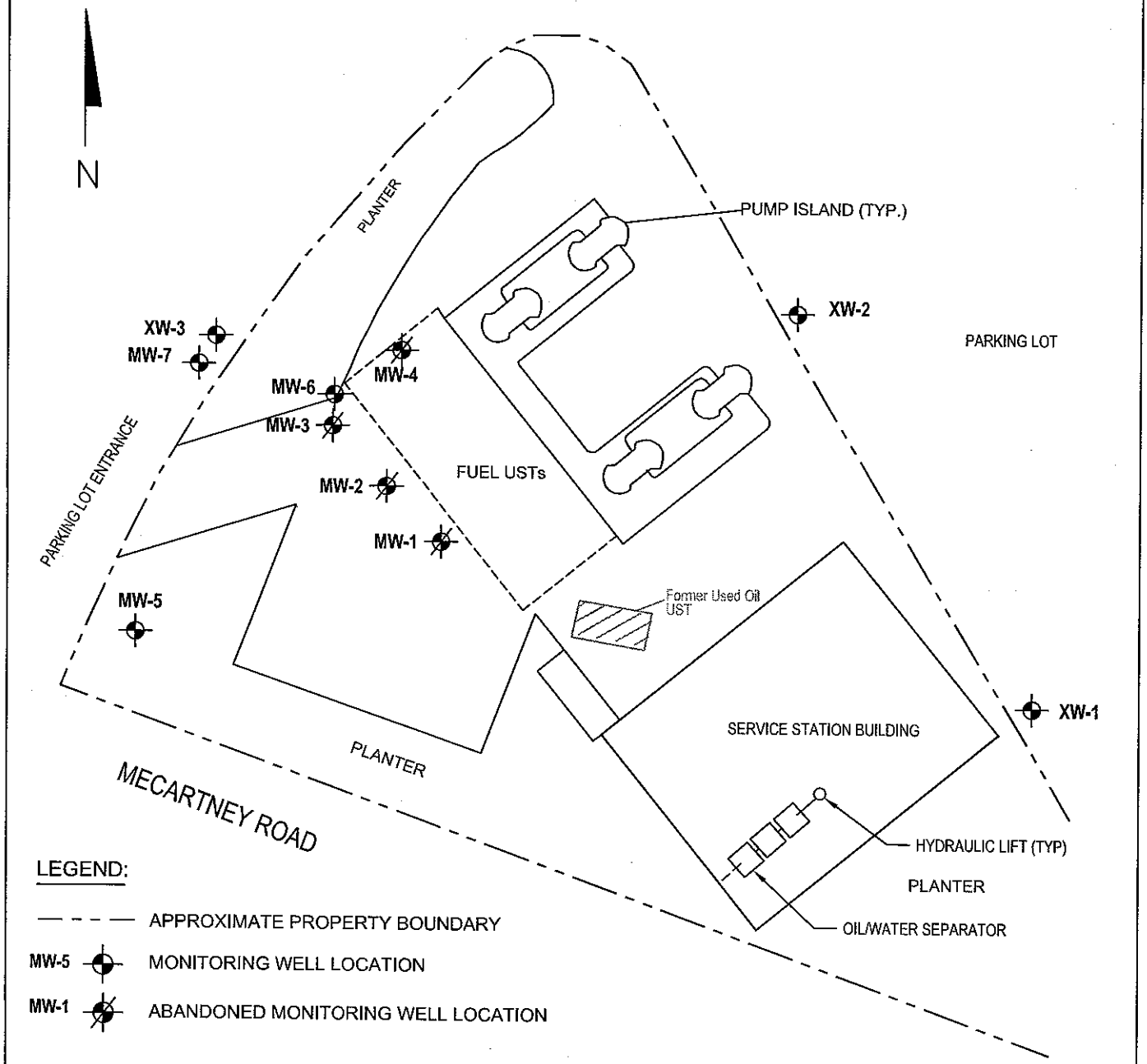
SITE LOCATION MAP

76 STATION NO. 11270
3255 MECARTNEY ROAD
ALAMEDA, CALIFORNIA

PROJECT NO. 142611270	DRAWN BY JH 06/02/09
FILE NO. 11270-SiteLocator	PREPARED BY DD
REVISION NO.	REVIEWED BY

DELTA®

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, SAN LEANDRO & HUNTERS POINTE QUADRANGLES (1973



0 20 FT

SCALE

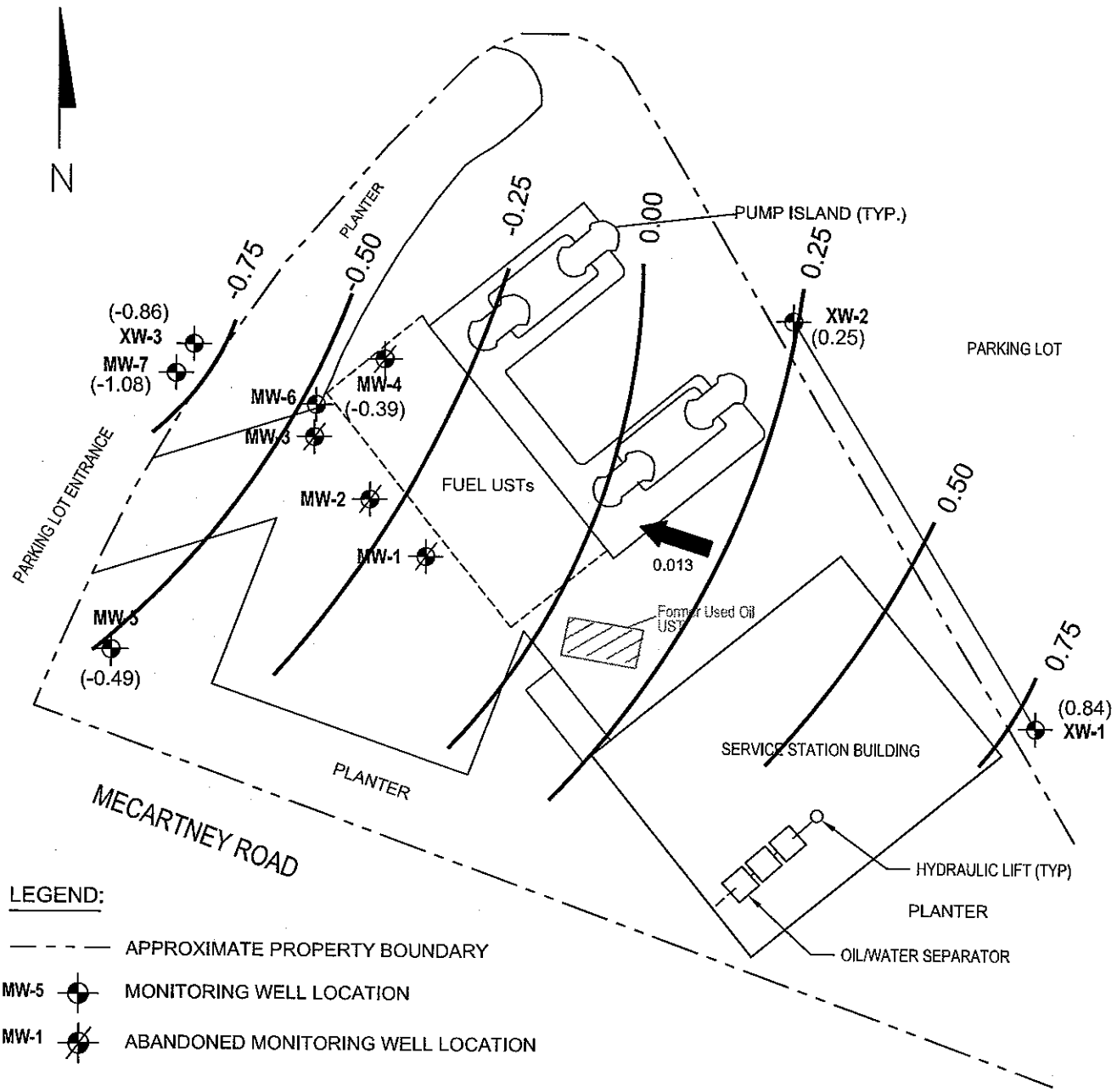
MAP ADAPTED FROM A MAP DATED 10/14/08 BY BROADBENT & ASSOCIATES, INC ENTITLED "SITE MAP".

FIGURE 2
SITE PLAN

76 STATION NO. 11270
3255 MECARTNEY ROAD
ALAMEDA, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142611270	DD	JH
DATE	REVIEWED BY	FILE NAME
06/02/09		11270-Site

DELTA®



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MW-5 MONITORING WELL LOCATION
- MW-1 ABANDONED MONITORING WELL LOCATION
- (-0.49) GROUNDWATER ELEVATON (FT.)
- -0.50 GROUNDWATER CONTOUR LINE (FT.)
- 0.013 APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

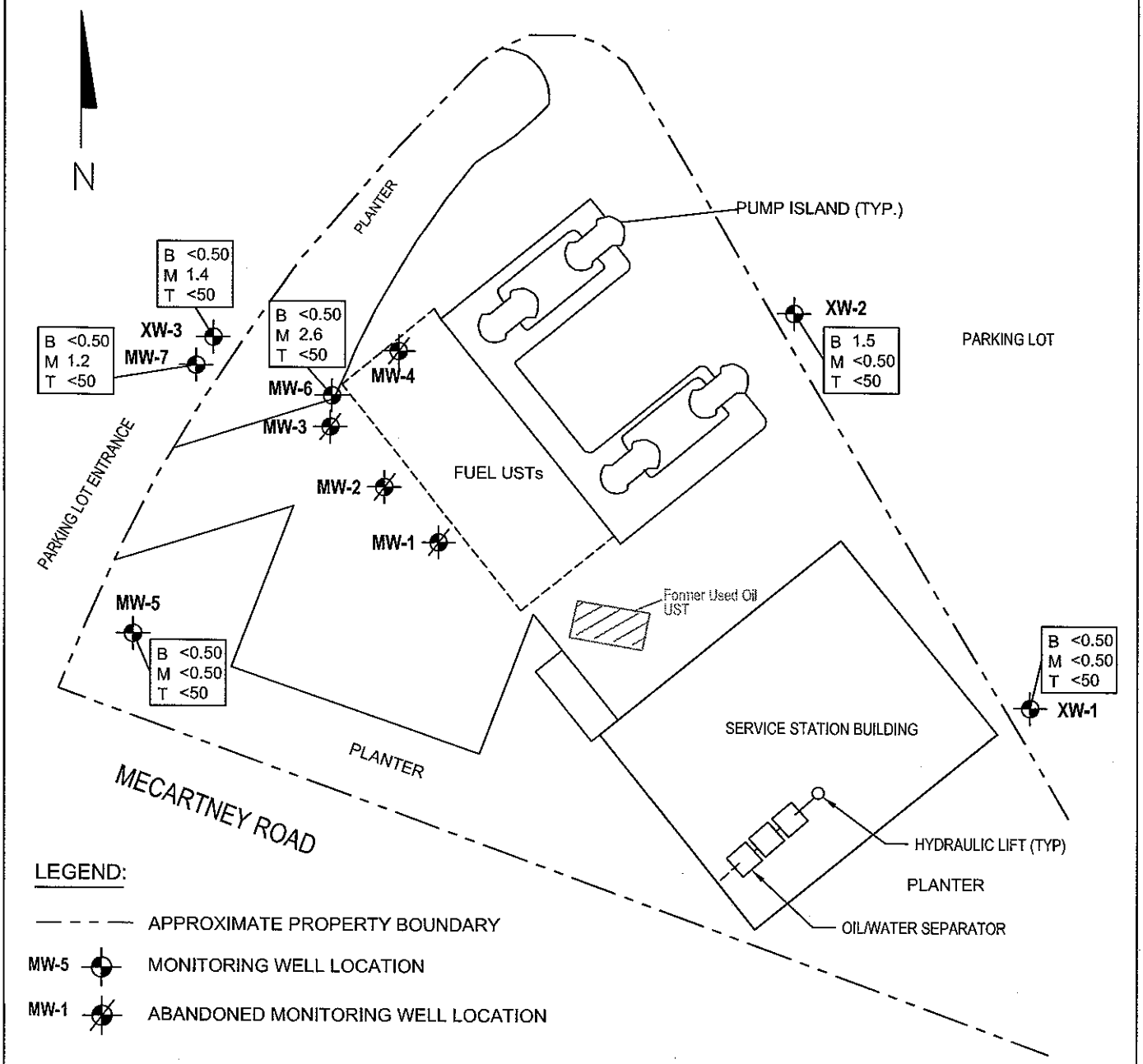
0 20 FT
SCALE

MAP ADAPTED FROM A MAP DATED 10/14/08 BY BROADBENT & ASSOCIATES, INC ENTITLED "SITE MAP".

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
JULY 22, 2009
76 STATION NO. 11270
3255 MECARTNEY ROAD
ALAMEDA, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142611270	EW	JH
DATE	REVIEWED BY	FILE NAME
07/30/09	DD	11270-Site

DELTA®



LEGEND:

APPROXIMATE PROPERTY BOUNDARY

MW-5 MONITORING WELL LOCATION

MW-1 ABANDONED MONITORING WELL LOCATION

ANALYTE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)

B	<0.50	BENZENE
M	<0.50	METHYL TERT BUTYL ETHER
T	<50	TOTAL PURGEABLE PETROLEUM HYDROCARBONS

<50 = LESS THAN LABORATORY DETECTED REPORTING LIMITS

0 20 FT

SCALE

MAP ADAPTED FROM A MAP DATED 10/14/08 BY BROADBENT & ASSOCIATES, INC ENTITLED "SITE MAP".

FIGURE 4
GROUNDWATER CONCENTRATION MAP
JULY 22, 2009
76 STATION NO. 11270
3255 MECARTNEY ROAD
ALAMEDA, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142611270	DD	JH
DATE	REVIEWED BY	FILE NAME
06/02/09		11270-Site

DELTA®

TABLE

TABLE 1
Historical Groundwater Monitoring and Analytical Data
ConocoPhillips (Former BP) Station Number 2611270
3255 Mecartney Road, Alameda, CA

Well No.	Date	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. GW Elev. (ft-MSL)	TPHg (µg/L)	TPHd (µg/L)	TPHk (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	D.O. (mg/L)	Comments
MW-1	10/29/92	7.49	7.28	-	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-1	06/21/93	7.49	5.4	-	2.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-1	04/05/94	7.49	5.64	-	1.85	1700	-	-	20	1.1	3.9	7.6	-	-	-	-	-	-	-	-	-	
MW-1	07/28/94	7.49	6.22	-	1.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-1	10/26/94	7.49	6.4	-	1.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-1	02/05/95	7.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	10/29/92	7.07	6.84	-	0.23	2500	-	3900	140	<10	65	22	-	-	-	-	-	-	-	-	-	
MW-2	06/21/93	7.07	5.49	-	1.58	720	-	770	12	1.5	11	12	-	-	-	-	-	-	-	-	-	
MW-2	04/05/94	7.07	5.4	-	1.67	420	-	1300	<0.50	<0.50	<0.50	4	4500	-	-	-	-	-	-	-	1.8	
MW-2	07/28/94	7.07	5.97	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	10/26/94	7.07	6.1	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	02/02/95	7.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-3	10/29/92	7.08	7.14	-	-0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-3	06/21/93	7.08	5.84	-	1.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-3	04/05/94	7.08	5.83	-	1.25	990	-	4300	3.2	<0.50	<0.50	1.3	790	-	-	-	-	-	-	-	-	
MW-3	07/28/94	7.08	6.32	-	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-3	10/26/94	7.08	6.42	-	0.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-3	02/02/95	7.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-4	10/29/92	7.13	6.9	-	0.23	2600	-	-	250	2.5	74	6.6	-	-	-	-	-	-	-	-	-	
MW-4	06/21/93	7.13	5.54	-	1.59	1400	-	1100	24	2.9	2.6	7.9	-	-	-	-	-	-	-	-	-	
MW-4	04/05/94	7.13	5.46	-	1.67	930	-	940	33	0.8	<0.50	2.8	8700	-	-	-	-	-	-	-	2.7	
MW-4	07/28/94	7.13	6.02	-	1.11	2400	-	1400	19	1.8	0.5	8	-	-	-	-	-	-	-	-	6.7	
QC-1	7/28/1994	-	-	-	-	2300	-	-	19	1.7	0.5	7.4	-	-	-	-	-	-	-	-	-	
MW-4	10/26/94	7.13	6.13	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-4	2/5/1995	7.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-5	06/21/93	8.36	7.44	-	0.92	<50	-	100	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	
MW-5	04/05/94	8.36	7.42	-	0.94	<50	-	100	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	2.5	
QC-1	04/05/94	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	
MW-5	07/28/94	8.36	7.88	-	0.48	<50	-	<50	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	7.4	
MW-5	10/26/94	8.36	7.92	-	0.44	<50	-	180	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	5.5	
QC-1	10/26/94	-	-	-	-	<50	-	-	<0.50	0.5	<0.50	<0.50	-	-	-	-	-	-	-	-	-	
MW-5	02/05/95	8.36	7.83	-	0.53	<50	-	<500	<0.25	<0.25	<0.25	<0.50	-	-	-	-	-	-	-	-	-	
QC-1	02/05/95	-	-	-	-	<50	-	-	<0.25	<0.25	<0.25	<0.50	-	-	-	-	-	-	-	-	-	
MW-5	05/05/95	8.36	9.00	-	-0.64	<50	-	-	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	3.1	
MW-5	07/19/95	8.36	9.03	-	-0.67	<50	-	-	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	4.6	
MW-5	10/12/95	8.36	9.15	-	-0.79	<50	-	-	<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	4.3	
MW-5	01/08/96	8.36	9.04	-	-0.68	<50	-	-	<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	4.9	
MW-5	09/11/97	8.36	8.90	-	-0.54	<50	-	-	<0.50	<1.0	<1.0	<1.0	<10	-	-	-	-	-	-	-	4	
MW-5	01/27/98	8.36	8.27	-	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-5	04/19/98	8.36	8.60	-	-0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-5	09/27/00	8.36	8.68	-	-0.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-5	03/21/01	8.36	8.13	-	0.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-5	09/18/01	8.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-5	09/19/08	8.36	8.83	-	-0.57	<50	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50	-	
MW-5	07/22/09	8.36	8.85	-	-0.49	-	<50	-	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50	-	
MW-6	02/05/95	6.88	6.39	-	0.49	1000	-	1000	7.6	19	9.1	96	-	-	-	-	-	-	-	-	5	
MW-6	05/05/95	6.88	8.85	-	0.03	2300	-	-	49	9	130	46	-	-	-	-	-	-	-	-	3.3	
QC-1	05/05/95	-	-	-	-	2400	-	-	49	9.2	140	48	-	-	-	-	-	-	-	-	-	
MW-6	07/19/95	6.88	7.13	-	-0.25	1500	-	-	84	3.3	28	24	-	-	-	-	-	-	-	-	3.7	
QC-1	07/19/95	-	-	-	-	1500	-	-	89	3.8	30	26	-	-	-	-	-	-	-	-	-	
MW-6	10/12/95	6.88	7.35	-	-0.47	1800	-	-	38	13	38	86	2500	-	-	-	-	-	-	-	4.1	
QC-1	10/12/95	-	-	-	-	1100	-	-	33	7	18	44	2200	-	-	-	-	-	-	-	-	
MW-6	01/08/96	6.88	7.04	-	-0.16	1300	-	-	31	4.7	60	53	170	-	-	-	-	-	-	-	4.2	
QC-1	01/08/96	-	-	-	-	1000	-	-	27	4	49	44	150	-	-	-	-	-	-	-	-	
MW-6	09/11/97	6.88	7.29	-	-0.41	<250	-	-	8.5	<5.0	11	6	1400	-	-	-	-	-	-	-	3.5	
QC-1	09/11/97	-	-	-	-	210	-	-	8.7	<5.0	14	8	1400	-	-	-	-	-	-	-	-	
MW-6	01/27/98	6.88	6.2	-	0.68	47000	-	-	350	150	360	690	38000	-	-	-	-	-	-	-	4.6	
QC-1	01/27/98	-	-	-	-	51000	-	-	190	120	300	580	35000	-	-	-	-	-	-	-	-	
MW-6	04/19/98	6.88	6.64	-	0.24	36000	-	-	40	510	140	10500	660	-	-	-	-	-	-	-	4	
QC-1	04/19/98	-	-	-	-	24000	-	-	20	360	81	7100	480	-	-	-	-	-	-	-	-	
MW-6	09/27/00	6.88	6.99	-	-0.11	1400	-	-	6.9	19	110	53	33	-	-	-	-	-	-	-	-	
MW-6	03/21/01	6.88	6.36	-	0.52	330	-	-	2.2	1.42	50.4	10.2	56.3	-	-	-	-	-	-	-	-	
MW-6	09/18/01	6.88	7.11	-	-0.23	290	-	-	0.957	<5.0	11.2	6.83	50.7	-	-	-	-	-	-	-	-	
MW-6	09/19/08	6.88	7.31	-	-0.43	63	-	-	<0.50	4.1	2	17	3.4	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50	-	
MW-6	07/22/09	6.88	7.27	-	-0.39	-	<50	-	<0.50	<0.50	<0.50	<1.0	2.6	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	-	
MW-7	02/05/95	6.62	7.62	-	-1.00	280	-	<500	<0.25	<0.25	<0.25	<0.50	-	-	-	-	-	-	-	-	5.1	
MW-7	05/05/95	6.62	7.64	-	-1.02	290	-	-	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	3.6	
MW-7	07/19/95	6.62	7.70	-	-1.08	150	-	-	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	4.6	
MW-7	10/12/95	6.62	7.88	-	-1.26	110	-	-	<0.50	<0.50	<0.50	<1.0	390	-	-	-	-	-	-	-	4.7	
MW-7	01/08/96	6.62	7.66	-	-1.04	9	-	-	<0.50	<0.50	<0.50	<1.0	300	-	-	-	-	-	-	-	4.9	
MW-7	09/11/97	6.62	7.78	-	-1.16	<50	-	-	<2.5	<5.0	<5.0	<5.0	63	-	-	-	-	-	-	-	3.6	
MW-7	01/27/98	6.62	7.30	-	-0.68	1400	-	-	7.7	<1.0	<1.0	<1.0	920	-	-	-	-	-	-	-	4.4	
MW-7	04/19/98	6.62	7.52	-	-0.90	3500	-	-	15	7.7	11	19.3	3600	-	-	-	-	-	-	-	4.7	
MW-7	09/27/00	6.62	7.71	-	-1.09	<50	-	-	<0.50	<0.50	<0.50	<0.50	71	-	-	-	-	-	-	-		
MW-7	03/21/01	6.62	7.62	-	-1.00		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-7	03/29/01	6.62	7.57	-	-0.95	60	-	-	<0.50	<0.50	<0.50	<1.5	88.2	-	-	-	-	-	-	-	-	
MW-7	09/18/01	6.62	7.74	-	-1.12	<250	-	-	<2.5	<2.5	<2.5	<7.5	36.6	-	-	-	-	-	-	-	-	
MW-7	09/19/08	6.62	7.81	-	-1.19	<50	-	-	<0.50	<0.50	<0.50	<0.50	1.6	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50	-	
MW-7	07/22/09	6.62	7.7	-	-1.08	-	<50	-	<0.50	<0.50	<0.50	<1.0	1.2	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	-	

TABLE 1
Historical Groundwater Monitoring and Analytical Data
ConocoPhillips (Former BP) Station Number 2611270
3255 Mecartney Road, Alameda, CA

Well No.	Date	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. GW Elev. (ft-MSL)	TPHg (ug/L)	TPPH (ug/L)	TPHd (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	D.O. (mg/L)	Comments
XW-1	06/21/93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	04/05/94	-	5.38	-	-	<50	-	70	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	3	
XW-1	07/28/94	-	5.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	10/26/94	-	6.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	02/05/95	7.49	5.82	-	1.67	<50	-	<500	<0.25	<0.25	<0.25	<0.50	-	-	-	-	-	-	-	-	4.9	
XW-1	05/05/95	7.49	5.57	-	1.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	07/19/95	7.49	6.12	-	1.37	<50	-		<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	4.3	
XW-1	10/12/95	7.49	6.62	-	0.87	<50	-		<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	3.8	
XW-1	01/08/96	7.49	6.11	-	1.38	<50	-		<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	4.7	
XW-1	09/11/97	7.49	6.57	-	0.92	<50	-		<0.50	<1.0	<1.0	<1.0	<10	-	-	-	-	-	-	-	3.3	
XW-1	01/27/98	7.49	5.27	-	2.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	04/19/98	7.49	5.24	-	2.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	09/27/00	7.49	6.13	-	1.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	03/21/01	7.49	5.97	-	1.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	09/18/01	7.49	6.59	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-1	09/19/08	7.49	6.76	-	0.73	<50	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50	-	
XW-1	**07/22/09**	7.49	6.65	-	0.84	-	<50	-	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	-	
XW-2	06/21/93	7.48	5.89	-	1.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	04/05/94	7.48	5.77	-	1.71	<50	-	160	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	3	
XW-2	07/28/94	7.48	6.25	-	1.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	10/26/94	7.48	6.39	-	1.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	02/05/95	7.48	5.62	-	1.86	<50	-	<500	<0.25	0.38	<0.25	<0.50		-	-	-	-	-	-	-	5.2	
XW-2	05/05/95	7.48	5.66	-	1.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	07/19/95	7.48	6.80	-	0.68	<50	-	-	<0.50	<0.50	<0.50	<1.0		-	-	-	-	-	-	-	3.9	
XW-2	10/12/95	7.48	7.21	-	0.27	<50	-	-	<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	4.3	
XW-2	01/08/96	7.48	6.79	-	0.69	<50	-	-	<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	4.2	
XW-2	09/11/97	7.48	6.86	-	0.62	<50	-	-	<0.50	<1.0	<1.0	<1.0	<10	-	-	-	-	-	-	-	3.6	
XW-2	01/27/98	7.48	5.88	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	04/19/98	7.48	5.42	-	2.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	09/27/00	7.48	6.86	-	0.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	03/21/01	7.48	6.60	-	0.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	09/18/01	7.48	7.15	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-2	09/19/08	7.48	7.39	-	0.09	<50	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50	-	
XW-2	**07/22/09**	7.48	7.23	-	0.25	-	<50	-	**1.5**	**11**	**1.9**	**12**	<0.50	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	-	
XW-3	06/21/93	6.84	5.65	-	0.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-3	04/05/94	6.84	5.85	-	0.99	<50	-	150	<0.50	0.7	<0.50	<0.50	-	-	-	-	-	-	-	-	3.1	
XW-3	07/28/94	6.84	6.28	-	0.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-3	10/26/94	6.84	6.40	-	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-3	02/05/95	6.84	7.23	-	-0.39	280	-	<500	<0.50	<0.50	0.63	<1.0	-	-	-	-	-	-	-	-	4.9	
XW-3	05/05/95	6.84	7.43	-	-0.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
XW-3	07/19/95	6.84	7.60	-	-0.76	400	-	-	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	43	
XW-3	10/12/95	6.84	7.74	-	-0.90	130	-	-	<0.50	<0.50	<0.50	<1.0	480	-	-	-	-	-	-	-	4.7	
XW-3	01/08/96	6.84	7.58	-	-0.74	320	-	-	<2.5	<2.5	<2.5	<5.0	1100	-	-	-	-	-	-	-	4.4	
XW-3	01/27/98	6.84	7.01	-	-0.17	1200	-	-	2.8	<1.0	<1.0	<1.0	990	-	-	-	-	-	-	-	4.3	
XW-3	04/19/98	6.84	7.28	-	-0.44	4500	-	-	<2.5	<5.0	<5.0	<5.0	4800	-	-	-	-	-	-	-	4.3	
XW-3	09/27/00	6.84	7.59	-	-0.75	<50	-	-	<0.50	<0.50	<0.50	<0.50	35	-	-	-	-	-	-	-	-	
XW-3	03/21/01	6.84	7.35	-	-0.51	<250	-	-	<2.5	<2.5	<2.5	<7.5	61.7	-	-	-	-	-	-	-	-	
XW-3	09/18/01	6.84	7.70	-	-0.86	<250	-	-	<2.5	<2.5	<2.5	<7.5	23.4	-	-	-	-	-	-	-	-	
XW-3	09/19/08	6.84	7.90	-	-1.06	<50	-	-	<0.50	<0.50	<0.50	<0.50	1.3	<10	<0.50	<0.50	<0.50	<300	<0.50	<0.50	-	
XW-3	**07/22/09**	6.84	7.70	-	-0.86	-	<50	-	<0.50	<0.50	<0.50	<1.0	1.4	<10	<0.50	<0.50	<0.50	<250	<0.50	<0.50	-	
QC-2	04/05/94	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	
QC-2	07/28/94	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	
QC-2	10/26/94	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	-	-	-	-	-	-	
QC-2	02/05/95	-	-	-	-	<50	-	-	<0.25	<0.25	<0.25	<0.50	-	-	-	-	-	-	-	-	-	
QC-2	05/05/95	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	-	
QC-2	07/19/95	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	-	-	-	
QC-2	10/12/95	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	-	
QC-2	01/08/96	-	-	-	-	<50	-	-	<0.50	<0.50	<0.50	<1.0	<5.0	-	-	-	-	-	-	-	-	

Notes:

TOC: Top of casing
TPHg: Total petroleum hydrocarbons as gasoline
TPPH: Total purgeable petroleum hydrocarbons
TPHd: Total petroleum hydrocarbons as diesel
B: Benzene
T: Toluene
E: Ethylbenzene
X: Total xylenes
MTBE: Methyl tert butyl ether
TBA: Tert-butyl alcohol
DIPE: Diisopropyl ether
ETBE: Ethyl-t-butyl ether
TAME: Tert-amyl-methyl ether
1,2-DCA: 1,2-dichloroethane
EDB: Dibromoethane
D.O: Dissolved oxygen
µg/L: Micrograms per liter
mg/L: Milligrams per liter
<: Below reporting limits
ft: Feet
msl: Mean sea level
SPH: Separate phase hydrocarbon

ATTACHMENT A

Field Data Sheets

Well-Head Inspection & Well Gauging Form

DELTA

Station No: _____ Location: 3255 Mccarthy Rd Alameda CA

Project No: 261.270 Field Technician: J FALCON / JR WELSH Date: 7/22/09

Sample Order	Well ID	Surficial Seal	Concrete Seal	Lid Secure	Gasket	Lock	Expanding Cap	Water in Well Box	Time	Well Casing Dia.	Depth to Water (Feet)	Depth to Bottom (Feet)	Depth to Floating Product (Feet)	Floating Product Thickness (Feet)	Comments
	MW-5	Y	Y	Y	Y	Y	Y	N	0845	4	8.85	14.80	—	—	
	MW-2	Y	Y	Y	Y	Y	Y	Y	0847	2	7.23	14.65	—	—	NO BOLTS
	MW-3	Y	Y	Y	Y	Y	Y	N	0851	2	7.70	13.85	—	—	1 BOLT BROKEN
	MW-7	Y	Y	Y	Y	Y	Y	N	0853	2	7.70	14.84	—	—	1 BOLT MISSING
	MW-6	Y	Y	Y	Y	Y	Y	N	0858	4	7.27	14.85	—	—	4" INCH, NOT BOLTED DOWN
	MW-1	Y	Y	Y	Y	Y	Y	N	0900	2	6.65	15.72	—	—	NO BOLTS

Notes: _____

Note: Use G=good and P=poor for well condition

COP-ELT Groundwater Sampling Form

Facility Location:	3255 Mccarthy Rd Alameda CA		
Station #:	261270	Field Technician:	J FALCON / SR WELSH
Well Identification:	MW-5	Date:	7/22/09
Well Diameter (in):	2 3 (4) 6 8 ___	Depth to Water (DTW) (ft bgs):	8.85
Thickness of SPH (ft):	N/A	Depth to SPH (ft bgs):	N/A
Water Column Height(ft):	5.95	Total Depth of Well (ft bgs):	14.80

Purging Info and Calculations:

Purge Method: Bailer / Disposable Bailer / (Electric Submersible) / Extraction Pump / Other:_____

Sample Method: Bailer / (Disposable Bailer) / Extraction Port / Other:_____

Top pf Screen:_____ If well is listed as a no-purge @XX feet, confirm that weter level is below the top of screen. Otherwise, the well must be purged.

Casing Volume (gal): 3.93 X Specified Volumes: 3 = Calculated Purge (gal): 11.79

Start Time: 0945 Stop Time: 0950

Conversion Factors (gal/ft): 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge:

Time	Temp (oC)	pH	Conductivity (mS)	Volume Removed (gal)	Turbidity	DO
0950	19.1	7.20	1.52	3	7.8	4.3

D.O. (if req'd):	Pre-purge:	N/A	6.2 mg/L	Post-purge:	N/A	mg/L
O.R.P. (if req'd):	Pre-purge:	N/A	mV	Post-purge:	N/A	mV

Did Well dewater? (Yes) No Actual Purge volume (gal): 3

Other Comments: CLEAR, COLORLESS, ODORLESS DUP-1
WELL PUMPED DRY - SAMPLED AFTER RECHARGED 80% INCLUDING

Sample Info:

Sample ID:	MW-5	Sample Date and Time:	7/22/09 1010
Sample Containers and Selected Analysis:	6-40ml VOA 3-8260B 3-8015B		

Purge Water (Stored)/Disposed of Where/How: ONSITE BEHIND STATION BLDG NE CORNER DRUM #1

Signature: _____ Date: 7/22/09

QA Signature: _____ Date: _____

COP-ELT Groundwater Sampling Form

Facility Location:	3255 Mecarthur Rd Alameda		
Station #:	2611270	Field Technician:	JR WALSH / J FALCON
Well Identification:	MW-6	Date:	7/22/05
Well Diameter (in):	2 3 (4) 6 8 ___	Depth to Water (DTW) (ft bgs):	7.24
Thickness of SPH (ft):	N/A	Depth to SPH (ft bgs):	N/A
Water Column Height(ft):	7.69	Total Depth of Well (ft bgs):	14.93

Purging Info and Calculations:

Purge Method: Bailer / (Disposable Bailer) / Electric Submersible / Extraction Pump / Other:_____

Sample Method: Bailer / (Disposable Bailer) / Extraction Port / Other:_____

Top pf Screen:_____ If well is listed as a no-purge @XX feet, confirm that water level is below the top of screen. Otherwise, the well must be purged.

Casing Volume (gal): 5.08 X Specified Volumes: 3 = Calculated Purge (gal): 15.22

Start Time: 1135 Stop Time: 1140

Conversion Factors (gal/ft): 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: 1135

Time	Temp (oC)	pH	Conductivity (mS)	Volume Removed (gal)	Turbidity	
1140	20.38	7.05	0.103	1.0	8.9	3.4

D.O. (if req'd):	Pre-purge:	4.9	mg/L	Post-purge:	N/A	mg/L
O.R.P. (if req'd):	Pre-purge:	N/A	mV	Post-purge:	N/A	mV

Did Well dewater? (Yes) No — Actual Purge volume (gal): 40

Other Comments: CLEAR, COLORLESS
LET WELL RECHARGE 80% BEFORE SMPG (8.78)

Sample Info:

Sample ID:	MW-6	Sample Date and Time:	7/22/05 1220
Sample Containers and Selected Analysis:	6- 40 ml VOAs (HCl) 8260B 8015B		

Purge Water (Stored)/Disposed of Where/How: ONSITE NE CORNER OF STATION BLDG DRUM #1

Signature: _____ Date: 7/22/05

QA Signature: _____ Date: _____

COP-ELT Groundwater Sampling Form

Facility Location:	3255 Mccartney Rd Alameda CA		
Station #:	2611270	Field Technician:	J FALCON / JR WALSH
Well Identification:	MW-7	Date:	7/22/09
Well Diameter (in):	② 3 4 6 8	Depth to Water (DTW) (ft bgs):	7.70
Thickness of SPH (ft):	N/A	Depth to SPH (ft bgs):	N/A
Water Column Height(ft):	7.14	Total Depth of Well (ft bgs):	14.84

Purging Info and Calculations:

Purge Method: Bailer / (Disposable Bailer) / Electric Submersible / Extraction Pump / Other:

Sample Method: Bailer / (Disposable Bailer) / Extraction Port / Other:

Top pf Screen: _____ If well is listed as a no-purge @XX feet, confirm that weter level is below the top of screen. Otherwise, the well must be purged.

Casing Volume (gal): 1.21 X Specified Volumes: 3 = Calculated Purge (gal): 3.64

Start Time: 1110 Stop Time: 1125

Conversion Factors (gal/ft): 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: 1110

Time	Temp (oC)	pH	Conductivity (mS)	Volume Removed (gal)	Turbidity	DO
1105	19.10	7.00	2.20	1.25	31.1	3.4
1120	19.18	7.15	2.09	2.50	61.8	5.6
1125	19.27	7.13	1.92	3.75	52.4	6.4

D.O. (if req'd):	Pre-purge:	3.2	mg/L	Post-purge:	N/A	mg/L
O.R.P. (if req'd):	Pre-purge:	N/A	mV	Post-purge:	N/A	mV

Did Well dewater? Yes (No) Actual Purge volume (gal): 3.75

Other Comments: Slightly cloudy, odorless, 1 bolt missing

Sample Info:

Sample ID:	MW-7	Sample Date and Time:	7/22/09 1130
Sample Containers and Selected Analysis:	6-40 mL VOAs HCl preserved 3-8260B 3-8015R		

Purge Water Stored/Disposed of/Where/How: ONSITE-NE CORNER BEHIND STATION BLVD DRUM #1

Signature: _____ Date: 7/22/09

QA Signature: _____ Date: _____

COP-ELT Groundwater Sampling Form

Facility Location:	3255 Mccarthy Rd Alameda CA		
Station #:	2611270	Field Technician:	JFalcon / JRWelsh
Well Identification:	XW-1	Date:	7/22/09
Well Diameter (in):	(2) 3 4 6 8 ___	Depth to Water (DTW) (ft bgs):	6.65
Thickness of SPH (ft):	N/A	Depth to SPH (ft bgs):	N/A
Water Column Height(ft):	10.45	Total Depth of Well (ft bgs):	15.72

Purging Info and Calculations:

Purge Method: Bailer / (Disposable Bailer) / Electric Submersible / Extraction Pump / Other:_____

Sample Method: Bailer / (Disposable Bailer) / Extraction Port / Other:_____

Top pf Screen:_____ If well is listed as a no-purge @XX feet, confirm that water level is below the top of screen. Otherwise, the well must be purged.

Casing Volume (gal): 1.77 X Specified Volumes: 3 = Calculated Purge (gal): 5.33

Start Time: 1155 Stop Time: 1210

Conversion Factors (gal/ft): 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: 1155

Time	Temp (oC)	pH	Conductivity (mS)	Volume Removed (gal)	Turbidity	DO
1200	17.93	7.05	0.174	2.0	228.7	7.8
1205	17.88	7.00	0.177	4.0	75.9	5.6
1210	17.78	7.05	0.180	6.0	141.0	4.3

D.O. (if req'd):	Pre-purge:	6.8 mg/L	Post-purge:	N/A	mg/L
O.R.P. (if req'd):	Pre-purge:	N/A mV	Post-purge:	N/A	mV
Did Well dewater? Yes No			Actual Purge volume (gal):		

Other Comments: Cloudy, BROWN, NO BOLTS

Sample Info:

Sample ID:	XW-1	Sample Date and Time:	7/22/09 12.15
Sample Containers and Selected Analysis:	6 - 10ml VOAs (HCl) 3-8260B, 3-8015B		

Purge Water (Stored) Disposed of Where/How: ONSITE - BY NE CORNER OF STATION BLDG - DRUM #1

Signature: _____ Date: 7/22/09

QA Signature: _____ Date: _____

COP-ELT Groundwater Sampling Form

Facility Location:	3255 Mccartney Rd Alameda CA		
Station #:		Field Technician:	S FALCON / JR WELSH
Well Identification:	XW-2	Date:	7/22/09
Well Diameter (in):	(2) 3 4 6 8 ___	Depth to Water (DTW) (ft bgs):	7.23
Thickness of SPH (ft):	N/A	Depth to SPH (ft bgs):	N/A
Water Column Height(ft):	7.42	Total Depth of Well (ft bgs):	14.65

Purging Info and Calculations:

Purge Method: ___ Bailer; (Disposable Bailer); Electric Submersible; Extraction Pump; Other:_____

Sample Method: ___ Bailer; (Disposable Bailer); Extraction Port; Other:_____

Top pf Screen:_____ If well is listed as a no-purge @XX feet, confirm that weter level is below the top of screen. Otherwise, the well must be purged.

Casing Volume (gal): 1.26 X Specified Volumes: 3 = Calculated Purge (gal): 3.78

Start Time: 1010 Stop Time: 1025

Conversion Factors (gal/ft): 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: 1010

Time	Temp (oC)	pH	Conductivity (mS)	Volume Removed (gal)	Turbidity	DO
1015	20.87	7.07	0.224	1.25	16.2	5.0
1020	20.68	7.08	0.229	2.5	31.2	3.8
1025	20.42	7.09	.240	3.75	62.4	2.9

D.O. (if req'd): Pre-purge: 6.1 mg/L Post-purge: N/A mg/L

O.R.P. (if req'd): Pre-purge: N/A mV Post-purge: N/A mV

Did Well dewater? Yes (No) Actual Purge volume (gal): 3.85

Other Comments: CLEAR, BROWN, ODORLESS, NO BOLTS-MANHOLE CONTAINED WTR

Sample Info:

Sample ID:	XW-2	Sample Date and Time:	7/22/09 1030
Sample Containers and Selected Analysis:	6-40 ml VOAS- 3-8260B 3-8015B		

Purge Water Stored/Disposed of Where/How: ONSITE - NE CORNER BEHIND BLDG DRUM #1

Signature: _____ Date: _____

QA Signature: _____ Date: _____

COP-ELT Groundwater Sampling Form

Facility Location:	3255 Mecartney Rd Alameda CA		
Station #:	2611 2.70	Field Technician:	JFALCON / JR WGLSH
Well Identification:	XW-3	Date:	7/22/09
Well Diameter (in):	(2) 3 4 6 8 ___	Depth to Water (DTW) (ft bgs):	7.70
Thickness of SPH (ft):	N/A	Depth to SPH (ft bgs):	N/A
Water Column Height(ft):	6.15	Total Depth of Well (ft bgs):	13.85

Purging Info and Calculations:

Purge Method: Bailer (Disposable Bailer) Electric Submersible Extraction Pump Other:_____

Sample Method: Bailer (Disposable Bailer) Extraction Port Other:_____

Top pf Screen:_____ If well is listed as a no-purge @XX feet, confirm that weter level is below the top of screen. Otherwise, the well must be purged.

Casing Volume (gal): 1.05 X Specified Volumes: 3 = Calculated Purge (gal): 3.14

Start Time: 1050 Stop Time: 1105

Conversion Factors (gal/ft): 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: 1050

Time	Temp (oC)	pH	Conductivity (mS)	Volume Removed (gal)	Turbidity	DO
1055	19.48	7.01	2.99	1.25	38.1	5.5
1100	18.98	7.01	2.87	2.50	111	4.8
1105	18.95	7.18	1.99	3.75	80.2	4.0

D.O. (if req'd):	Pre-purge:	8.9	mg/L	Post-purge:	N/A	mg/L
O.R.P. (if req'd):	Pre-purge:	N/A	mV	Post-purge:	N/A	mV

Did Well dewater? Yes (No) Actual Purge volume (gal): 3.75

Other Comments: Slightly cloudy; odorless, 1 bail broken

Sample Info:

Sample ID:	XW-3	Sample Date and Time:	7/22/09 1100
Sample Containers and Selected Analysis:	6-40mL VOAs 3-8260B 3-8015B		

Purge Water Stored/Disposed of Where/How: ON SITE - NE CORNER OF BLDG - DRUM 1,

Signature: _____ Date: 7/22/09

QA Signature: _____ Date: _____

ATTACHMENT B

Laboratory Analytical Report

Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 07/27/2009

Tony Perini

Delta Environmental
312 Piercy Rd
San Jose, CA 95138

RE:	2611270
BC Work Order:	0909593
Invoice ID:	B065468

Enclosed are the results of analyses for samples received by the laboratory on 7/23/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Delta Environmental	Project: 2611270	**Reported:** 07/27/2009 13:07
312 Piercy Rd	Project Number: [none]	
San Jose, CA 95138	Project Manager: Tony Perini	

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0909593-01	**COC Number:**	---	**Receive Date:**	07/23/2009 09:40	Delivery Work Order:
	Project Number:	Alameda	**Sampling Date:**	07/22/2009 10:10	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-5
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECJ			Sample QC Type (SACode): CS
					Cooler ID:
0909593-02	**COC Number:**	---	**Receive Date:**	07/23/2009 09:40	Delivery Work Order:
	Project Number:	Alameda	**Sampling Date:**	07/22/2009 10:30	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): XW-2
	Sampling Point:	XW-2	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECJ			Sample QC Type (SACode): CS
					Cooler ID:
0909593-03	**COC Number:**	---	**Receive Date:**	07/23/2009 09:40	Delivery Work Order:
	Project Number:	Alameda	**Sampling Date:**	07/22/2009 11:10	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): XW-3
	Sampling Point:	XW-3	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECJ			Sample QC Type (SACode): CS
					Cooler ID:
0909593-04	**COC Number:**	---	**Receive Date:**	07/23/2009 09:40	Delivery Work Order:
	Project Number:	Alameda	**Sampling Date:**	07/22/2009 11:30	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-7
	Sampling Point:	MW-7	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECJ			Sample QC Type (SACode): CS
					Cooler ID:

Delta Environmental	Project: 2611270	**Reported:** 07/27/2009 13:07
312 Piercy Rd	Project Number: [none]	
San Jose, CA 95138	Project Manager: Tony Perini	

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0909593-05	**COC Number:**	---	**Receive Date:**	07/23/2009 09:40	Delivery Work Order:
	Project Number:	Alameda	**Sampling Date:**	07/22/2009 12:20	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-6
	Sampling Point:	MW-6	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECJ			Sample QC Type (SACode): CS
					Cooler ID:
0909593-06	**COC Number:**	---	**Receive Date:**	07/23/2009 09:40	Delivery Work Order:
	Project Number:	Alameda	**Sampling Date:**	07/22/2009 12:15	Global ID:
	Sampling Location:	—	**Sample Depth:**	---	Location ID (FieldPoint): XW-1
	Sampling Point:	XW-1	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECJ			Sample QC Type (SACode): CS
					Cooler ID:

Delta Environmental 312 Piercy Rd San Jose, CA 95138	Project: 2611270 Project Number: [none] Project Manager: Tony Perini	**Reported:** 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0909593-01 | **Client Sample Name:** Alameda, MW-5, 7/22/2009 10:10:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Ethanol	ND	ug/L	250		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:08	SDU	MS-V10	1	BSG1349		

Delta Environmental	Project: 2611270	**Reported:** 07/27/2009 13:07
312 Piercy Rd	Project Number: [none]	
San Jose, CA 95138	Project Manager: Tony Perini	

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0909593-02 | **Client Sample Name:** Alameda, XW-2, 7/22/2009 10:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**1.5**	**ug/L**	**0.50**		**EPA-8260**	**07/23/09**	**07/24/09 12:26**	**SDU**	**MS-V10**	**1**	**BSG1349**	**ND**	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
Ethylbenzene	**1.9**	**ug/L**	**0.50**		**EPA-8260**	**07/23/09**	**07/24/09 12:26**	**SDU**	**MS-V10**	**1**	**BSG1349**	**ND**	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
Toluene	**11**	**ug/L**	**0.50**		**EPA-8260**	**07/23/09**	**07/24/09 12:26**	**SDU**	**MS-V10**	**1**	**BSG1349**	**ND**	
Total Xylenes	**12**	**ug/L**	**1.0**		**EPA-8260**	**07/23/09**	**07/24/09 12:26**	**SDU**	**MS-V10**	**1**	**BSG1349**	**ND**	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
Ethanol	ND	ug/L	250		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:26	SDU	MS-V10	1	BSG1349		

Delta Environmental 312 Piercy Rd San Jose, CA 95138	Project: 2611270 Project Number: [none] Project Manager: Tony Perini	**Reported:** 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0909593-03 | **Client Sample Name:** Alameda, XW-3, 7/22/2009 11:10:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
Methyl t-butyl ether	**1.4**	**ug/L**	**0.50**		**EPA-8260**	**07/23/09**	**07/24/09 12:44**	**SDU**	**MS-V10**	**1**	**BSG1349**	**ND**	
Toluene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
Ethanol	ND	ug/L	250		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349		
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 12:44	SDU	MS-V10	1	BSG1349		

Delta Environmental
312 Piercy Rd
San Jose, CA 95138

Project: 2611270
Project Number: [none]
Project Manager: Tony Perini

Reported: 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0909593-04 | **Client Sample Name:** Alameda, MW-7, 7/22/2009 11:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
Methyl t-butyl ether	**1.2**	**ug/L**	**0.50**		**EPA-8260**	**07/23/09**	**07/24/09 13:01**	**SDU**	**MS-V10**	**1**	**BSG1349**	**ND**	
Toluene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
Ethanol	ND	ug/L	250		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349		
4-Bromofluorobenzene (Surrogate)	98.2	%	86 - 115 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:01	SDU	MS-V10	1	BSG1349		

Delta Environmental
312 Piercy Rd
San Jose, CA 95138

Project: 2611270
Project Number: [none]
Project Manager: Tony Perini

Reported: 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0909593-05 | **Client Sample Name:** Alameda, MW-6, 7/22/2009 12:20:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
Methyl t-butyl ether	**2.6**	**ug/L**	**0.50**		**EPA-8260**	**07/23/09**	**07/24/09 13:19**	**SDU**	**MS-V10**	**1**	**BSG1349**	**ND**	
Toluene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
Ethanol	ND	ug/L	250		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349		
Toluene-d8 (Surrogate)	99.8	%	88 - 110 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349		
4-Bromofluorobenzene (Surrogate)	96.8	%	86 - 115 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:19	SDU	MS-V10	1	BSG1349		

Delta Environmental
312 Piercy Rd
San Jose, CA 95138

Project: 2611270
Project Number: [none]
Project Manager: Tony Perini

Reported: 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0909593-06 | **Client Sample Name:** Alameda, XW-1, 7/22/2009 12:15:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Toluene	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Ethanol	ND	ug/L	250		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349	ND	
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349		
4-Bromofluorobenzene (Surrogate)	96.3	%	86 - 115 (LCL - UCL)		EPA-8260	07/23/09	07/24/09 13:36	SDU	MS-V10	1	BSG1349		

Delta Environmental
312 Piercy Rd
San Jose, CA 95138

Project: 2611270
Project Number: [none]
Project Manager: Tony Perini

Reported: 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSG1349	Matrix Spike	0908002-80	0	23.610	25.000	ug/L		94.4		70 - 130	
		Matrix Spike Duplicate	0908002-80	0	23.950	25.000	ug/L	1.5	95.8	20	70 - 130	
Toluene	BSG1349	Matrix Spike	0908002-80	0	24.170	25.000	ug/L		96.7		70 - 130	
		Matrix Spike Duplicate	0908002-80	0	24.380	25.000	ug/L	0.8	97.5	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSG1349	Matrix Spike	0908002-80	ND	10.020	10.000	ug/L		100		76 - 114	
		Matrix Spike Duplicate	0908002-80	ND	10.220	10.000	ug/L		102		76 - 114	
Toluene-d8 (Surrogate)	BSG1349	Matrix Spike	0908002-80	ND	10.110	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0908002-80	ND	10.410	10.000	ug/L		104		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSG1349	Matrix Spike	0908002-80	ND	9.8800	10.000	ug/L		98.8		86 - 115	
		Matrix Spike Duplicate	0908002-80	ND	9.2900	10.000	ug/L		92.9		86 - 115	

Delta Environmental
312 Piercy Rd
San Jose, CA 95138

Project: 2611270
Project Number: [none]
Project Manager: Tony Perini

Reported: 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSG1349	BSG1349-BS1	LCS	23.710	25.000	0.50	ug/L	94.8		70 - 130		
Toluene	BSG1349	BSG1349-BS1	LCS	24.410	25.000	0.50	ug/L	97.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSG1349	BSG1349-BS1	LCS	9.9700	10.000		ug/L	99.7		76 - 114		
Toluene-d8 (Surrogate)	BSG1349	BSG1349-BS1	LCS	10.230	10.000		ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSG1349	BSG1349-BS1	LCS	9.9300	10.000		ug/L	99.3		86 - 115		

Delta Environmental
312 Piercy Rd
San Jose, CA 95138

Project: 2611270
Project Number: [none]
Project Manager: Tony Perini

Reported: 07/27/2009 13:07

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
Toluene	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
Total Xylenes	BSG1349	BSG1349-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BSG1349	BSG1349-BLK1	ND	ug/L	10		
Diisopropyl ether	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
Ethanol	BSG1349	BSG1349-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BSG1349	BSG1349-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BSG1349	BSG1349-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSG1349	BSG1349-BLK1	103	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSG1349	BSG1349-BLK1	99.5	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSG1349	BSG1349-BLK1	99.4	%	86 - 115 (LCL - UCL)		

Delta Environmental 312 Piercy Rd San Jose, CA 95138	Project: 2611270 Project Number: [none] Project Manager: Tony Perini	**Reported:** 07/27/2009 13:07

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

BC Laboratories, Inc.

Chain of Custody Form

Page 1 of 1

Report To: Client: DELTA	Project #: 2611270
Attn: TONI PERINI	Project Name: ALAMEDA
Street Address: 312 PIERCY RD	Global ID #:
City, State, Zip: SAN JOSE CA 95138	Sampler(s): I FALCON, J RUELAS
Phone: 408 826.1867 Fax:	
Email Address: TPERINI@DELTAENV.COM	
Work Order #: 09-09593	

Analysis Requested: 8260B (BTEX 8OXS,TPH g); * 8015B (per Tony 7/23); # of Containers

Please refer to the back of this page for completion instructions and method legend.

Sample #	Description	Date Sampled	Time Sampled	8260B	8015B	# of Containers	Sample Matrix	Turnaround # of work days*	Notes
-1	MW-5	7/22/09	1010	X	X	6	Ground Water	*	GRO, BTEX, MTBE, OXYG.
-2	XW-2	↓	1030	↓	↓	↓	↓	↓	
-3	XW-3	↓	1110	↓	↓	↓	↓	↓	
-4	MW-7	↓	1130	↓	↓	↓	↓	↓	
-5	MW-6	↓	1220	↓	↓	↓	↓	↓	
-6	XW-1	↓	1215	↓	↓	↓	↓	↓	

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

CHK BY: AM | DISTRIBUTION | SUB-OUT ☐

Billing ☑ Same as above

Client: Delta
Address:
City: State Zip
Attn: Tony Perini
PO#:

EDF Required? ☐ Yes ☐ No

Send Copy to State of CA? (EDT) ☐ Yes ☐ No

Sample Disposal: ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	07/22/09	1515	1. P. BINS BCL	7/22/09	1515
2. BCL/ IA GSO	7/22/09	1805	2. Barbara Hummel	7/23	9:40
3.			3.		

BC Laboratories, Inc. – 4100 Atlas Ct. – Bakersfield, CA 93308 – 661.327.4911 – Fax: 661.327.1918 – www.bclabs.com

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 09-09593

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: melted

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: .98 Container: Gt Amb Thermometer ID: TH163

Temperature: A 10.3 °C / C 10.0 °C Amb 7/23/09

Date/Time 7/23 940

Analyst Init BLT

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-6	A-6	A-6	A-6	A-6	A-6	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: _____ Date/Time: 7/23/09 1200

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]