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August 2, 2012

1211.001.02.001

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Mark Detterman

Transmittal
Groundwater Monitoring Report
Second Quarter 2012 Sampling Event
1650 65th Street
Emeryville, California
Fuel Leak Case No. RO0000440
Geotracker Global ID T0600100511

RECEIVED

8:26 am, Aug 29, 2012

Alameda County
Environmental Health

Dear Mr. Detterman:

Submitted herewith for your review is the *Groundwater Monitoring Report, Second Quarter 2012 Sampling Event, 1650 65th Street, Emeryville, California* prepared by PES Environmental, Inc.

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

Very truly yours,

GRIFFIN CAPITAL CORPORATION

Julie A. Treinen
Managing Director, Asset Management

cc: Chris Baldassari, PES Environmental, Inc.



A Report Prepared for:

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Mark Detterman, PG, CEG

**GROUNDWATER MONITORING REPORT
SECOND QUARTER 2012 SAMPLING EVENT
1650 65TH STREET
EMERYVILLE, CALIFORNIA
FUEL LEAK CASE NO. RO0000440
GEOTRACKER GLOBAL ID T0600100511**

AUGUST 2, 2012

By:

Christopher J Baldassari, P.G.
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Principal Engineer

1211.001.02.001

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1.0 INTRODUCTION

This *Groundwater Monitoring Report* (Report) has been prepared by PES Environmental, Inc. (PES), on behalf of Griffin Capital Corporation (Griffin) as agent for the fee owners, to document the results of a Second Quarter 2012 semi-annual groundwater monitoring event, at 1650 65th Street, in Emeryville, California (the Site, Plate 1). PES has previously performed several environmental investigations as well as conducted routine groundwater monitoring at the Site. The Second Quarter 2012 groundwater monitoring event was performed in accordance with a November 1, 2011 letter from the Alameda County Environmental Health Department (ACEH, 2011b).

2.0 BACKGROUND INFORMATION

One 2,000-gallon gasoline underground storage tank (UST) was removed from the Site in July 1987. A fuel release affecting soil and groundwater was discovered at that time. Soil remediation activities were completed under a remedial plan approved by ACEH in 1988 (ES, 1987). Groundwater monitoring was first initiated in November 1989. A groundwater remediation system was installed in December 1990 to extract and treat groundwater. Remediation via groundwater extraction continued until October 1993, and an *in-situ* bioremediation pilot study program was initiated in August 1994. The *in-situ* bioremediation program continued until December 1998. At that time, ACEH: (1) approved cessation of groundwater remediation and monitoring; and (2) directed the Site be evaluated for closure. In April 2001, PES submitted a report to ACEH that recommended no further groundwater monitoring on the basis of the stable and localized nature of the groundwater plume, and requested documentation of No Further Action (NFA) with respect to the former UST (PES, 2001).

In response to the NFA request in April 2001, ACEH issued a letter to Griffin dated July 7, 2009 (ACEH, 2009). To address technical comments in the ACEH 2009 Letter, PES prepared a Work Plan on behalf of Griffin (PES, 2009), which ACEH conditionally approved on August 16, 2010 (ACEH, 2010). PES implemented the Work Plan and subsequently submitted an investigation report (PES, 2010) on behalf of Griffin to the ACEH; the 2010 report summarized the results of groundwater sampling conducted during the Fourth Quarter 2010 and a preferential pathway study. In response, ACEH issued a letter dated April 1, 2011 (ACEH, 2011a), which included a request to conduct groundwater monitoring of selected wells on a semi-annual basis.

Based on (1) technical requests in the April 1, 2011 ACEH letter; and (2) a meeting between representatives from PES, Griffin, and ACEH held at ACEH offices on July 2, 2011, PES prepared work plans for the additional investigation activities requested by ACEH, which included: (1) installing a temporary groundwater monitoring well between monitoring wells MW-4 and MW-6; (2) installing and sampling two sub-slab vapor probes near the southeast corner of the building (PES, 2011a,b); and (3) collecting soil matrix samples near the source

area (PES, 2011c, 2012). The groundwater and sub-slab vapor investigation work plan was approved by ACEH on January 6, 2012 (ACEH, 2012a), and the soil matrix investigation work plan was approved by ACEH on February 21, 2012 (ACEH, 2012b). PES implemented the approved work plans for soil, sub-slab vapor, and groundwater investigation field activities in March 2012. Summary tables of the laboratory analytical results and boring logs from the approved investigations were transmitted to ACEH on May 21, 2012. In accordance with the work plans, a report documenting the results of the investigation activities will be prepared and submitted to ACEH under separate cover.

3.0 SITE DESCRIPTION

The 5.0-acre project site is located north of 65th Street at its western terminus. The property includes an existing commercial building (~127,000 square feet) divided into three tenant suites (A, B, and C). The property is situated at an elevation of approximately 15 feet above mean sea level (msl), and the terrain slopes gently to the west-southwest. The nearest surface water body is San Francisco Bay, located approximately 1,000 feet west of the subject property.

4.0 GROUNDWATER MONITORING ACTIVITIES

Field activities were conducted under a Site-specific Health and Safety Plan (HSP) and in accordance with federal and California Occupational Safety and Health Administration (OSHA) guidelines.

The Second Quarter 2012 groundwater monitoring activities consisted of: (1) field preparation activities; (2) collecting groundwater samples from five¹ of the eight groundwater monitoring wells located at the Site (MW-2, MW-4, MW-6, MW-8, and EW-1) as shown on Plate 2; and (3) report preparation and submittal. Groundwater sampling services were conducted under PES' direction by Confluence Environmental Field Services, Inc. (Confluence) of Sacramento, California. Laboratory chemical analyses of groundwater samples were performed by Curtis & Tompkins, Ltd. of Berkeley, California, a California-certified laboratory. The results of these activities are described below.

¹ In accordance with the ACEH 2011 approval letter, no samples were collected from wells MW-3, MW-5 and MW-7 as these wells were requested by ACEH to be monitored by others in conjunction with the LUST case for the adjacent 6601/6603 Shellmound Street site. As further requested by ACEH, all Site wells were gauged for depth-to-water measurements during the subject groundwater monitoring event, and laboratory analytical data generated for MW-3, -5, and -7 from the 6601 Shellmound Street site will be incorporated (as available) into the summary tables for the Site for completeness.

4.1 Groundwater-Level Measurements

Groundwater-level measurements were collected on May 23, 2012 prior to commencing groundwater purging and sampling activities. Depth to groundwater measurements were recorded to the nearest 0.01-foot using an electronic sounding probe. To reduce the potential for cross-contamination of wells during the collection of groundwater-level measurements, the portion of sounding probe that potentially came into contact with the well casing or groundwater was cleaned and double-rinsed between measurements. Depth-to-groundwater measurements were converted to groundwater-level elevations referenced to mean sea level (msl).

4.2 Groundwater Sampling and Analyses

After collecting groundwater-level measurements, Confluence commenced sampling activities at the wells on May 23, 2012. Prior to collecting samples, groundwater in each well casing was purged using a disposable polyethylene bailer. A minimum of three well volumes of groundwater was removed from each well during purging. Water quality parameters including temperature, pH, specific conductance, and turbidity were monitored during well purging and recorded on the Groundwater Sampling Forms (presented in Appendix A). As noted on the sampling forms, none of the wells dewatered during purging activities and all wells were allowed to recharge to at least 80% of the pre-purging water level prior to sampling. Following purging, groundwater samples were collected from each well in the proper laboratory provided containers using new polyethylene disposable bailers with bottom emptying devices.

The filled sample bottles were labeled, packaged, and stored in a chilled, thermally insulated cooler for delivery to the laboratory. Each sample was assigned a sample number and logged on the Chain-of Custody (COC) Record. The COC Record accompanied the samples to the laboratory to document sample possession from the time of collection. The laboratory analytical report and COC Record is provided with the laboratory analytical report in Appendix B.

The groundwater samples were analyzed for: (1) total petroleum hydrocarbons quantified as gasoline (TPHg) using U.S. EPA Test Method 8015B; (2) benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Test Method 8260B; and (3) fuel oxygenates methyl tertiary-butyl ether (MTBE), ethyl tertiary-butyl ether (ETBE), di-isopropyl ether (DIPE), tert-butyl alcohol (TBA), ethylene dibromide (EDB), 1,2-dichloroethane (1,2-DCA), and tertiary-amyl methyl ether (TAME) using U.S. EPA Test Method 8260B.

5.0 GROUNDWATER MONITORING RESULTS

5.1 Groundwater Elevation Measurements

Construction details for the monitoring wells are provided in Table 1. Depth-to-groundwater measurements from May 23, 2012 and the calculated groundwater elevations (referenced to the North American Vertical Datum of 1988 [NAVD88]) are summarized in Table 2.

Groundwater-level elevations collected from the monitoring wells on May 23, 2012 ranged from 6.62 feet above mean sea level (feet msl; MW-6) to 9.48 feet msl (MW-7). Groundwater elevation contours developed for May 23, 2012 are presented on Plate 3. In general, groundwater elevations are slightly higher than measurements obtained during Fourth Quarter 2011. Historical Site groundwater-level elevation data is also presented in Appendix C. Based on measured water levels on May 23, 2012, groundwater flow direction at the Site was calculated to be toward the southwest, with an approximate gradient ranging from 0.004 to 0.005 foot per foot. The direction of groundwater flow and gradient are consistent with historical data, and with regional groundwater flow directions (generally westward, toward San Francisco Bay).

5.2 Groundwater Analytical Results

The results of laboratory analyses of groundwater samples are presented in Table 3. The concentrations of petroleum hydrocarbons detected in groundwater at the Site are shown on Plate 4. The laboratory analytical report for groundwater samples collected during the subject groundwater sampling event is provided in Appendix B. A table of analytical results from historical monitoring events (1990 to 2000) is presented in Appendix C. Results for analytes not detected and not listed in Table 2 are provided in the laboratory analytical report.

Detected concentrations of TPHg and BTEX from the Second Quarter 2012 event for wells nearest the source area (wells MW-2 and EW-1) are generally consistent with the prior monitoring event results (Fourth Quarter 2011), and the Second Quarter 2012 results are generally lower than results from the Fourth Quarter 2010 monitoring event. Taken as a whole, when compared to historical levels (presented in Table 3 and Appendix C), the results indicate that concentrations of TPHg and BTEX continue to decline over time and are indicative of a long-term trend of decreasing concentrations of petroleum hydrocarbon residuals in groundwater in the vicinity of the source area.

Groundwater samples from wells MW-4 and MW-6 (representative of groundwater in the area downgradient of the former UST) had very low or non-detected concentrations of TPHg, BTEX, and fuel oxygenates, consistent with samples from Fourth Quarter 2011. TPHg, BTEX, and fuel oxygenates were not detected at or above their respective laboratory reporting limits in well MW-6, and in well MW-4 only a low concentration of benzene (1.4 $\mu\text{g/L}$) and TBA (11 $\mu\text{g/L}$) were detected.

In upgradient well MW-8, TPHg and BTEX were not detected during the current monitoring event with the exception of a low detection of benzene (4.8 and 4.2 $\mu\text{g/L}$ in primary and duplicate samples, respectively).

5.3 Quality Assurance/Quality Control Assessment of Chemical Data

The quality of the chemical data reported by Curtis & Tompkins was assessed from the results of internal laboratory spikes, method blanks, and field duplicates, and indicate the following:

- The data are within acceptable recovery limits;
- The results for the duplicate sample collected at MW-8 indicate good reproducibility based on detections in both the primary and duplicate sample;
- The samples were analyzed within acceptable EPA holding times; and
- The data from Curtis & Tompkins are considered to be representative and of good quality.

6.0 CONCLUSIONS

The Second Quarter 2012 groundwater monitoring event is the 43rd sampling event performed at the Site since November 1989. The results of the recent groundwater monitoring event, taken with results from historical groundwater monitoring activities, indicate the following:

- Depth-to-water measurements and corresponding groundwater elevations collected during the Second Quarter 2012 groundwater monitoring indicate that (1) the direction of groundwater flow in the vicinity of the former UST is to the southwest with a shallow gradient; and (2) the direction of groundwater flow is consistent with historical groundwater monitoring data;
- Concentrations of TPHg and BTEX in wells MW-2 and EW-1 (in the near vicinity of the former UST) indicate a decreasing trend when compared to historical data and are expected to continue to attenuate over time;
- Concentrations of TPHg and BTEX in downgradient wells MW-4 and MW-6 indicate that the plume is stable or shrinking when compared to prior monitoring data; and
- Groundwater concentrations at the Site are all far below the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Limits (ESLs) for potential vapor intrusion concerns at commercial/industrial sites.

7.0 CLOSURE

The Second Quarter 2012 groundwater monitoring event was successfully completed. In accordance with current ACEH requirements, the next groundwater monitoring event is scheduled for the Fourth Quarter 2012.

8.0 REFERENCES

- Alameda County Environmental Health (ACEH), 2009. *Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511, Emery Bay Plaza, 1650 65th Street, Emeryville, CA 94608*. July 7.
- ACEH, 2010. *Work Plan Approval, Request for Information and a Work Plan; Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511, Emery Bay Plaza, 1650 65th Street, Emeryville, CA 94608*. August 16.
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- ACEH, 2012b. *Conditional Approval of Focused Source Area Work Plan Addendum; Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511, Emery Bay Plaza, 1650 65th Street, Emeryville, CA 94608*. February 21.
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- PES Environmental, Inc. 2009. *Work Plan for Groundwater Monitoring and Preferential Pathway Study, 1650 65th Street, Emeryville, California*. October 7.

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PES Environmental, Inc. 2011b. *Work Plan Addendum, 1650 65th Street, Emeryville, California; Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511.* November 18.

PES Environmental, Inc. 2011c. *Work Plan for Focused Source Area Soil Investigation, 1650 65th Street, Emeryville, California; Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511.* December 5.

PES Environmental, Inc. 2012. *Addendum to Work Plan for Focused Source Area Soil Investigation, 1650 65th Street, Emeryville, California; Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511.* February 3.

TABLES

Table 1
Summary of Groundwater Monitoring Well Construction Details
1650 65th Street
Emeryville, California

Well Identification	Top of Casing (feet MSL)	Date Installed	Screened Interval (feet bgs)	Filter Pack Interval (feet bgs)	Screen Slot Size (inches)
EW-1	18.25	28-Mar-90	8.3 - 28.9	6.3 - 30.0	0.020
MW-2	18.24	28-Sep-89	8.3 - 28.0	7.0 - 29.0	0.020
MW-3	14.92	14-Nov-89	6.6 - 18.0	5.3 - 18.3	0.020
MW-4	14.73	15-Nov-89	6.1 - 15.8	5.1 - 16.3	0.020
MW-5	15.34	16-Nov-89	6.7 - 17.9	5.3 - 17.9	0.020
MW-6	14.53	27-Mar-90	7.1 - 21.8	5.7 - 22.1	0.020
MW-7	15.45	29-Mar-90	6.7 - 18.7	5.0 - 18.7	0.020
MW-8	17.52	22-Sep-94	6 - 26	4.0 - 26.0	0.020

Notes:

MSL - mean sea level, referenced to North American Vertical Datum of 1988 (NAVD88).

bgs - below ground surface.

Table 2
Depth-to-Groundwater and Groundwater Elevations
1650 65th Street
Emeryville, California
(Historical Data in Appendix C)

Well Identification	Measurement Date	Top of Casing Elevation (feet MSL)	Depth to Groundwater (feet btoc)	Groundwater Elevation (feet MSL)
EW-1	10/6/2010	18.25	10.39	7.86
	5/26/2011	18.25	10.30	7.95
	11/17/2011	18.25	10.61	7.64
	5/23/2012	18.25	10.49	7.76
MW-2	10/6/2010	18.24	10.36	7.88
	5/26/2011	18.24	10.29	7.95
	11/17/2011	18.24	10.73	7.51
	5/23/2012	18.24	10.58	7.66
MW-3	10/6/2010	14.92	8.41	6.51
	5/26/2011	14.92	7.72	7.20
	11/17/2011	14.92	8.70	6.22
	5/23/2012	14.92	8.29	6.63
MW-4	10/6/2010	14.73	8.03	6.70
	5/26/2011	14.73	7.83	6.90
	11/17/2011	14.73	8.02	6.71
	5/23/2012	14.73	8.10	6.63
MW-5	10/6/2010	15.34	6.83	8.51
	5/26/2011	15.34	6.45	8.89
	11/17/2011	15.34	7.10	8.24
	5/23/2012	15.34	6.91	8.43
MW-6	10/6/2010	14.53	8.19	6.34
	5/26/2011	14.53	7.95	6.58
	11/17/2011	14.53	8.37	6.16
	5/23/2012	14.53	7.91	6.62
MW-7	10/6/2010	15.45	5.78	9.67
	5/26/2011	15.45	5.80	9.65
	11/17/2011	15.45	7.10	8.35
	5/23/2012	15.45	5.97	9.48
MW-8	10/6/2010	17.52	10.85	6.67
	5/26/2011	17.52	10.46	7.06
	11/17/2011	17.52	10.85	6.67
	5/23/2012	17.52	10.61	6.91

Notes:

MSL - mean sea level, referenced to North American Vertical Datum of 1988 (NAVD88).

btoc - below top of casing

Table 3
Summary of Groundwater Analytical Data
1650 65th Street
Emeryville, California
(Historical Data in Appendix C)

Sample Identification	Date Collected	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	BTEX & Fuel Oxygenates							TCE (µg/L)	Metals (mg/L)	TDS (mg/L)
					Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TBA (µg/L)	DIPE (µg/L)	MTBE (µg/L)			
EW-1	10/7/2010	--	--	1,200	170	36	6.5	16.2	ND (25)	ND (1.3)	ND (1.3)	--	--	--
	5/26/2011	ND (300)	--	1,100	110	4.3	1.6	8.4	ND (20)	ND (1.0)	ND (1.0)	ND (1.0)	ND*	720
	11/17/2011	--	--	1,100	73	27	3.8	11.1	ND (10)	0.62	ND (0.50)	--	--	--
	5/23/2012	--	--	1,500	55	8.7	1.4	17	ND (10)	ND (0.5)	ND (0.5)	--	--	--
MW-2	10/7/2010	--	--	6,100	700	510	190	641	ND (10)	ND (0.5)	ND (0.5)	--	--	--
	5/26/2011	ND (300)	--	1,900	220	18	8.2	54.5	ND (40)	ND(2.0)	ND(2.0)	ND (2.0)	ND*	790
	11/17/2011	--	--	2,400	270	120	29	135	ND (40)	ND(2.0)	ND(2.0)	--	--	--
	5/23/2012	--	--	2,000	200	75	26	109	ND (40)	ND(2.0)	ND(2.0)	--	--	--
MW-3	10/7/2010	--	--	110	4.2	0.90	0.80	1.8	ND (10)	ND (0.5)	1.4	--	--	--
MW-4	10/7/2010	--	--	52	1.5	ND (0.5)	ND (0.5)	ND (0.5)	14	ND (0.5)	ND (0.5)	--	--	--
	5/26/2011	ND (300)	--	64 Y	1.0	ND (0.5)	ND (0.5)	ND (0.5)	15	ND (0.5)	ND (0.5)	ND (0.5)	ND*	5,340
	11/17/2011	--	--	ND (50)	1.3	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.50)	ND (0.50)	--	--	--
	5/23/2012	--	--	ND (50)	1.4	ND (0.5)	ND (0.5)	ND (0.5)	11	ND (0.5)	ND (0.5)	--	--	--
MW-5	3/6/2010	--	250 Y	99 Y	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	2	--	--	1,290
MW-6	10/7/2010	--	--	ND (50)	1.7	1.0	0.9	2.3	ND (10)	ND (0.5)	ND (0.5)	--	--	--
	5/26/2011	ND (300)	--	ND (50)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND*	4,440
	11/17/2011	--	--	ND (50)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	--	--	--
	5/23/2012	--	--	ND (50)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	--	--	--
MW-7	3/6/2010	--	ND (50)	ND (1)	ND (1)	ND (1)	ND (1)	ND (20)	ND (1)	ND (1)	--	--	780	
MW-8	10/6/2010	--	--	2,900	1,500	15	ND (10)	10	ND (200)	ND (10)	ND (10)	--	--	--
	5/26/2011	ND (300) / ND (300)	--	ND (50) / ND (50)	0.60 / 0.70	ND (0.5) / ND (0.5)	ND (0.5) / ND (0.5)	ND (0.5) / ND (0.5)	ND (10) / ND(10)	ND (0.5) / ND (0.5)	ND (0.5) / ND (0.5)	3.7 / 3.6	ND*	2,710 / 2,750
	11/17/2011	--	--	73 / 65	570 / 520	6.3 / 5.1	0.76 / 0.63	4.2 / 3.3	ND (10) / ND(10)	ND (0.5) / ND (0.5)	ND (0.5) / ND (0.5)	--	--	--
	5/23/2012	--	--	ND (50) / ND (50)	4.8 / 4.2	ND (0.5) / ND (0.5)	ND (0.5) / ND (0.5)	ND (0.5) / ND (0.5)	ND (10) / ND(10)	ND (0.5) / ND (0.5)	ND (0.5) / ND (0.5)	--	--	--
Vapor Intrusion ESL - C/I Exposure ⁽⁴⁾	--	--	--	1,800	530,000	170,000	160,000	--	--	80,000	120	--	--	
Drinking Water Ceiling ESL ⁽²⁾	100	100	100	170	40	30	20	50,000	--	5	5	--	--	
Drinking Water ESL ⁽³⁾	210	210	210	1	150	300	1,800	12	--	13	5	--	500 to 1,500	
Non-Drinking Water Ceiling ESL ⁽¹⁾	2,500	5,000	5,000	20,000	400	300	5,300	50,000	--	1,800	360	--	--	
San Francisco Bay Basin Plan ⁽⁵⁾	--	--	--	1	150	300	1,750	--	--	13	5	--	3,000	

Notes:

BTEX and Fuel Oxygenates analyzed using U.S. Environmental Protection Agency (EPA) Test Method 8260B.

TPHg analyzed using EPA Test Method 8015B

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPHmo = total petroleum hydrocarbons quantified as motor oil

TPHd = total petroleum hydrocarbons quantified as diesel

TPHg = total petroleum hydrocarbons quantified as gasoline

TBA = Tert-butyl alcohol

DIPE = Diisopropyl Ether

MTBE = Methyl tert-butyl ether

TCE = Trichloroethylene

TDS = Total Dissolved Solids

HVOCs = Halogenated volatile organic compounds

ND (50) / ND (50) = Indicates primary / duplicate sample results

Only detected analytes are tabulated here. See Appendix B for laboratory analytical reports.

Y = sample exhibits chromatographic pattern which does not resemble laboratory standard.

-- = Not applicable or not analyzed

ND* = LUFT -5 metals reporting limits of 5.0 mg/L for cadmium, chromium, lead and nickel, and 20 mg/L for zinc

(1) California Regional Water Quality Control Board, San Francisco Region (RWQCB) Environmental Screening Level (ESL), Non-Drinking Water Gross Contamination Ceiling Levels (Table I-2; May 2008)

(2) RWQCB Drinking Water Ceiling Levels (Table I-1; May 2008).

(3) RWQCB Drinking Water Screening Levels (Table F-3; May 2008).

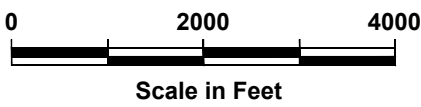
(4) RWQCB Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Concerns (Table E-1; May 2008).

(5) RWQCB San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan), December 2010.

ILLUSTRATIONS



PROJECT SITE

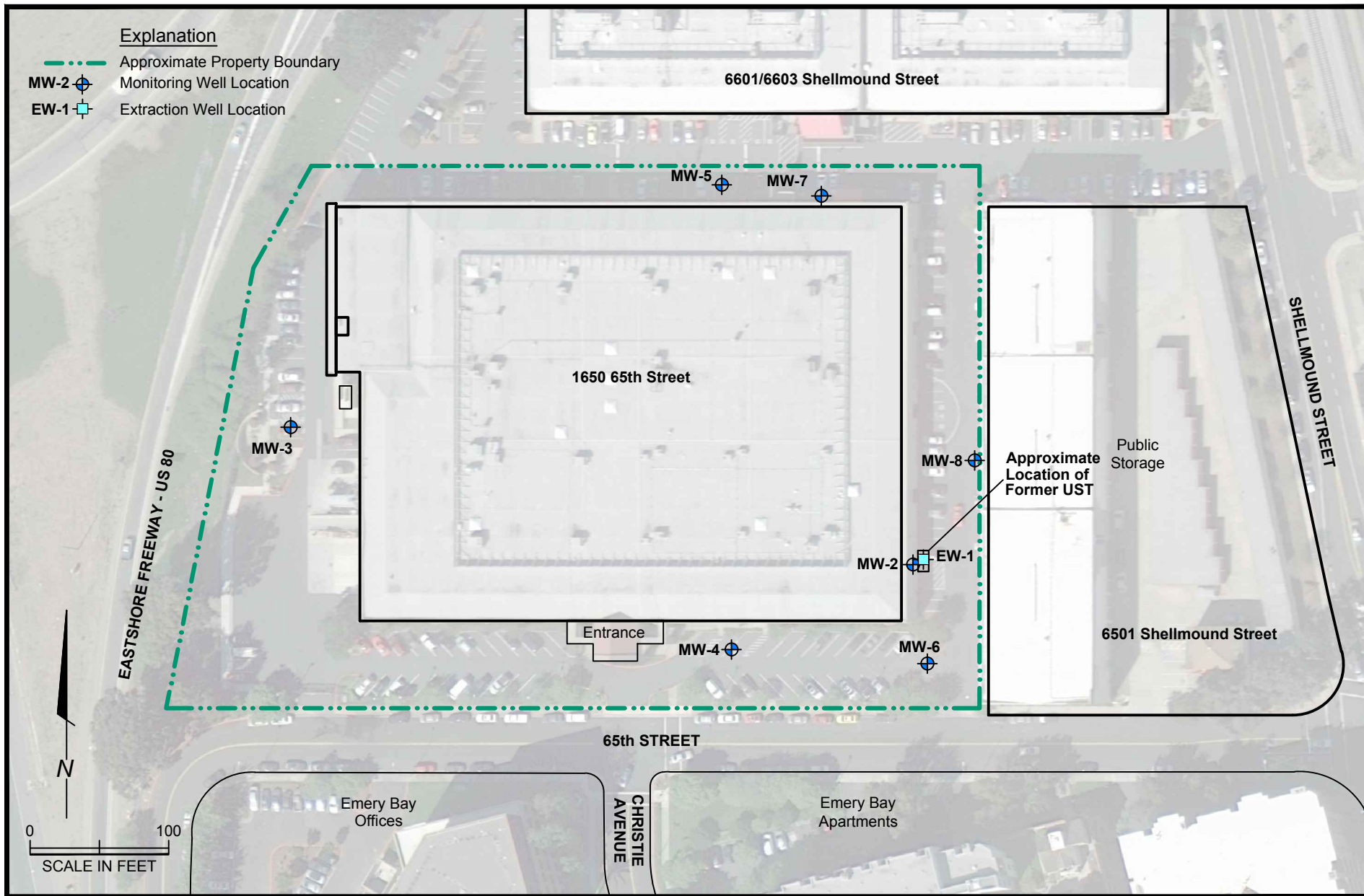


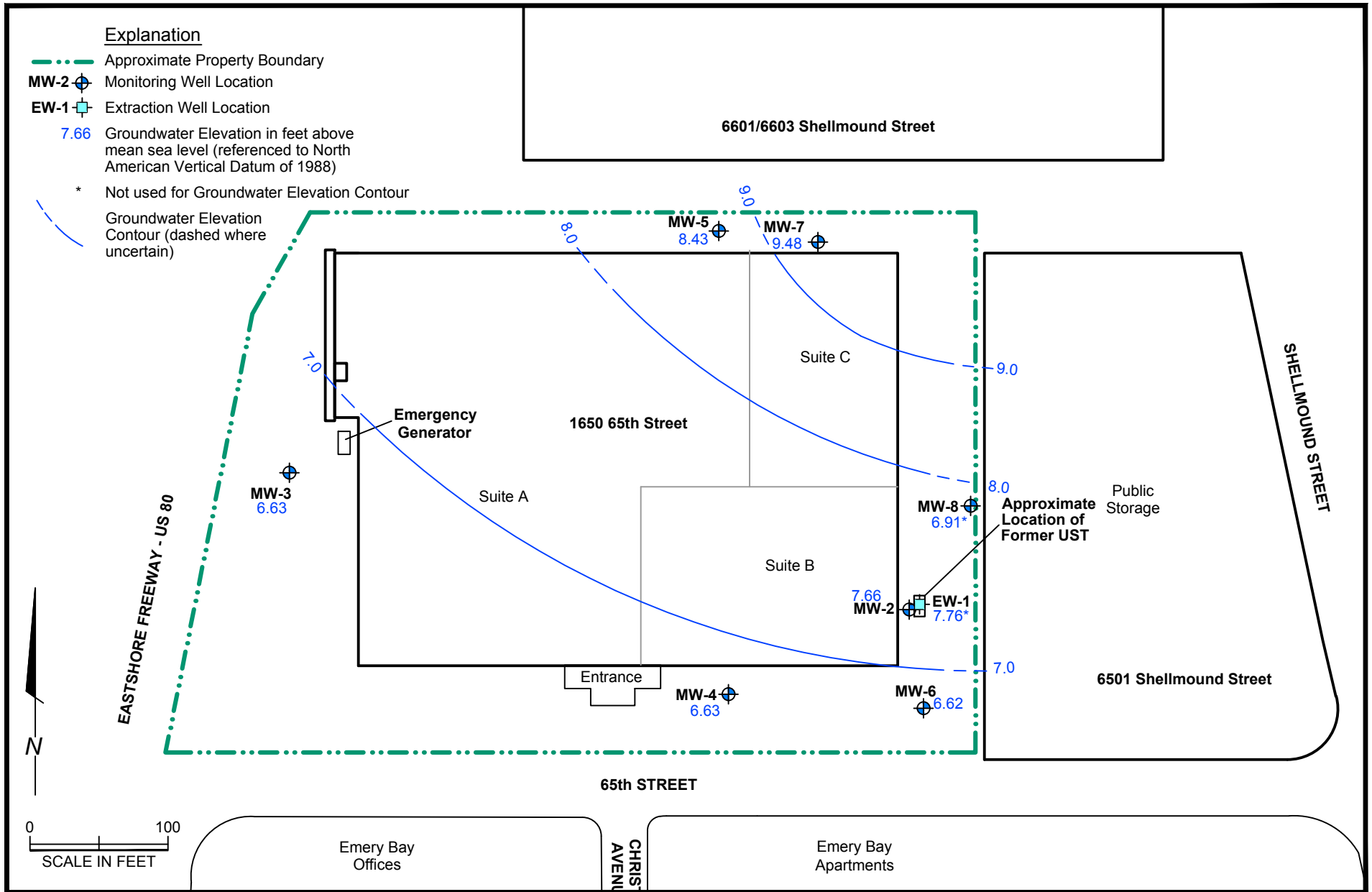
U.S.G.S. Topo Map - Oakland West, California, 7.5-minute quadrangle. Map version 1997; current as of 1993

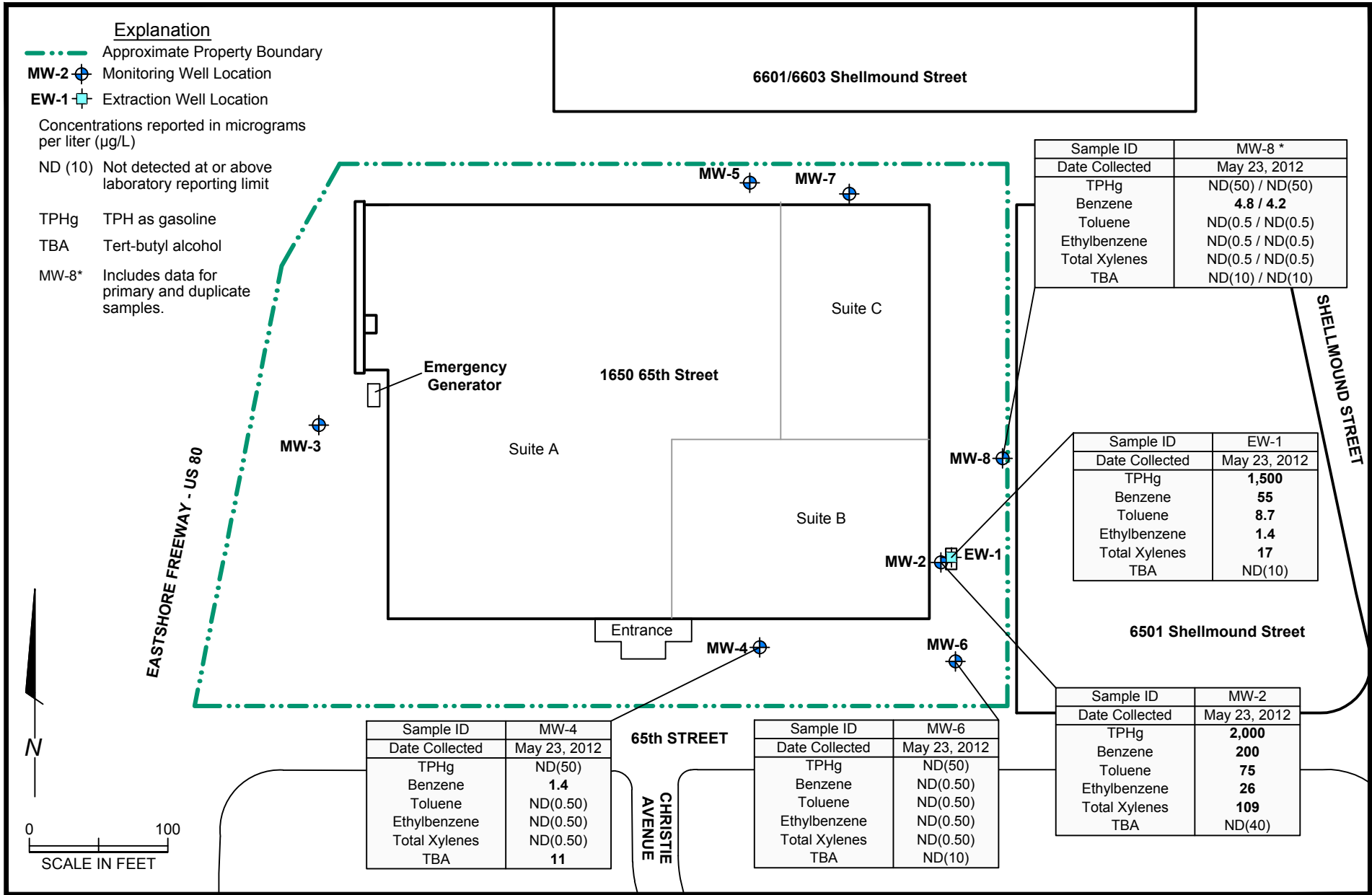


Site Location Map
1650 65th Street
Emeryville, California

PLATE
1







APPENDIX A

MONITORING WELL SAMPLING FORMS



Confluence Environmental, Inc.
 3308 El Camino Ave, Suite 300 #148
 Sacramento, CA 95821
 916-760-7641 - main
 916-473-8617 - fax
 www.confluence-env.com

Chain of Custody

Project Name: Emeryville Site

Job Number: 11-120523

TAT: STANDARD 5 DAY 2 DAY 24 HOUR OTHER:

Lab: <u>Curtis & Tompkins</u>	Site Address: <u>1650 65th St, Emeryville</u>	Confluence PM: <u>Jason Brown</u>
Address: <u>2323 5th St, Berkeley</u>	California Global ID No.:	Phone / Fax: <u>916-760-7641 / 916-473-8617</u>
Contact:	Include EDF w/ Report: <u>Yes</u> No *per agreement w/ PES	Confluence Log Code: <u>CESC</u>
Phone/ Fax: <u>510-486-0900</u>	Consultant / PM: <u>PES / Chris Baldassari</u>	Report to: <u>Chris Baldassari</u>
	Phone / Fax: <u>415-899-1600</u>	Invoice to: <u>PES</u>

Sample ID	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Notes and Comments		
			Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	TPH-G	BTEX, Oxygenates(5), 1,2-DCA, EDB						
MW-4	1100	5/23/12	X			6				X			X	X						
MW-2	1120	5/23/12	X			6				X			X	X						
EW-1	1150	5/23/12	X			6				X			X	X						
MW-8	1205	5/23/12	X			6				X			X	X						
MW-6	1245	5/23/12	X			6				X			X	X						
MW-8A	-	5/23/12	X			6				X			X	X						
TB	-	5/23/12	X			3				X			X	X						

Sampler's Name: <u>J. McBurney</u>	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: <u>Confluence Environmental</u>	<u>JMC/Confluence</u>		<u>5/23/12</u>	<u>1255</u>	<u>[Signature]</u>		<u>5/23/12</u>	<u>1255</u>
Shipment Date:								
Shipment Method:								

Special Instructions: *Metals samples were field filtered

Equipment Calibration Log

Equipment make/model	Equipment ID/serial number	Date	Time	Calibration Standards	Equipment Reading	Equipment Calibrated	Temp (°C/°F)	Tech init.	Comments
Vitrameter II	6216462	5/23/12	940	pH 4.0 7.0 10.0	pH 4.0 7.0 10.0	Y	21.1	JMS	
I	I	I	+	Cond. 1413	Cond. 1413	Y	21.1	JMS	

Notes/comments:

NON-HAZARDOUS WASTE MANIFEST

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

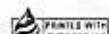
NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address Griffin Capital Corporation 2171 Rosecrans Ave Suite 3321 El Segundo CA 90745		4. Generator's Phone (310) 606-5900			
5. Transporter 1 Company Name Confluence Env.		6. US EPA ID Number		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone	
9. Designated Facility Name and Site Address 1105 Airport rd Rivista, CA		10. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity	14. Unit Wt./Vol.
			No.	Type	
a. Non Haz Purge Water			1	poly	80 gal
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above Clear no odors			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name				Signature	
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name J. McBratney				Signature	
				Month Day Year 5/23/12	
18. Transporter 2 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name				Signature	
				Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.					
Printed/Typed Name MICHAEL WHITEHEAD				Signature	
				Date	
				Month Day Year 5/23/12	

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Water Level Measurements

Job Number: 11-120523 Date: 5/23/12 Client: PES

Site: Emer yville

Well I.D.	Time	Dia	Depth to NAPL	Thickness of NAPL	Depth to water (DTW)	Total Depth (measured)	Total Depth (historical)	Ref Point (TOC/ TOB)			
EW-1	550	4			10.49	24.02			 		
MW-2	900	2			10.58	27.69					
MW-3	905	4			8.29	18.21					
MW-4	840	4			8.10	15.84				Odor	
MW-5	915	4			6.91	18.00					
MW-6	835	4			7.91	18.81					
MW-7	920	4			7.97	18.74					
MW-8	830	2			10.61	25.02					

Purging And Sampling Data Sheet

Job#: J1-120523	Sampler: J McBurney	Client: PES
Well ID: MW-2	Date: 5/23/12	Site: Emeryville
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	DTW: 10.58 Total Depth: 23.69	
Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other:		
Tubing: OD: New Dedicated NA		
Purge method: (3-5 Case Volume) Micro/Low-Flow Extraction Other:		
Pump depth/ intake: Multipliers: 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"= 1.02 6"= 1.47 Radius ² X 0.163		
(TD - DTW X Multiplier = 1 Volume		80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = 2.5 X 3 = 7.5 (Total Purge) 80% = 13.20

Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or ml / min)	Volume Removed (gal / L)	Notes
1113	19.3	8.6	1321	5.8		2.5	
1115	19.2	8.6	1114	1.5		5.0	
1117	19.2	8.5	1099	1.5		7.5	
1119	19.1	8.4	1061	1.5		10.0	

Did well dewater? YES <input type="radio"/> NO <input checked="" type="radio"/>		Total volume removed: <u>10</u> (gal / L)
Sample method: Disp Bailer <input checked="" type="radio"/> Ded. Tubing <input type="radio"/> New Tubing <input type="radio"/> Ext. Port <input type="radio"/> Other: <input type="radio"/>		
Sample date: 5/23/12	Sample time: <u>11:20</u>	DTW at sample: <u>10.61</u>
Sample ID: <u>MW-2</u>	Lab: Curtis & Tompkins	Number of bottles: <u>6</u>
Analysis: TPH-G, BTEX, Oxy's(5), 1,2-DCA, EDB		
Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
Fe ²⁺ :	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: J1-120523	Sampler: J McBurney	Client: PES
Well ID: MW-6	Date: 5/23/12	Site: Emeryville
Well diam: 1/4" 1" 2" 3" (4") 6" Other:	DTW: 7.9 / Total Depth: 18.81	
Purge equip: ES diam: Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other:		
Tubing: OD: New Dedicated NA		
Purge method: 3-5 Case Volume Micro/Low-Flow Extraction Other:		
Pump depth/ intake:	Multipliers: 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius ² X 0.163	
(TD - DTW X Multiplier = 1 Volume		80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = 7 X 3 = 21 (Total Purge) 80% = 10.09

Time	Temp (°/°F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL / min)	Volume Removed (gal / L)	Notes
1037	18.3	8.3	7418	245		7	
							* Well dewatered @ 12 gal
1241	20.2	7.6	5317	19	-	-	

Did well dewater? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Total volume removed: 12 (gal/L)
Sample method: Disp Bailer Ded. Tubing New Tubing Ext. Port Other:		
Sample date: 5/23/12	Sample time: 1245	DTW at sample: 9.82
Sample ID: MW-6	Lab: Curtis & Tompkins	Number of bottles: 6
Analysis: TPH-G, BTEX, Oxy's(5), 1,2-DCA, EDB		
Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
Fe2 ⁺ :	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

APPENDIX B

**LABORATORY ANALYTICAL RESULTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 236482
ANALYTICAL REPORT

PES Environmental, Inc.
1682 Novato Boulevard
Novato, CA 94947

Project : 1211.001.02.003
Location : 1650 65th St, Emeryville
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
MW-4	236482-001
MW-2	236482-002
EW-1	236482-003
MW-8	236482-004
MW-6	236482-005
MW-8A	236482-006
TB	236482-007

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____
Project Manager

Date: 06/05/2012

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 236482
Client: PES Environmental, Inc.
Project: 1211.001.02.003
Location: 1650 65th St, Emeryville
Request Date: 05/23/12
Samples Received: 05/23/12

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 05/23/12. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.



Confluence Environmental, Inc.
 3308 El Camino Ave, Suite 300 # 148
 Sacramento, CA 95821
 916-760-7641 - main
 916-473-8617 - fax
 www.confluence-env.com

Chain of Custody

236482

Project Name: Emeryville Site

Job Number: 11-120523

TAT: STANDARD 5 DAY 2 DAY 24 HOUR OTHER:

Lab: Curtis & Tompkins	Site Address: 1650 65th St, Emeryville	Confluence PM: Jason Brown
Address: 2323 5th St, Berkeley	California Global ID No.:	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: Yes No *per agreement w/ PES	Confluence Log Code: CESC
Phone/ Fax: 510-486-0900	Consultant / PM: PES / Chris Baldassari	Report to: Chris Baldassari
	Phone / Fax: 415-899-1600	Invoice to: PES

Sample ID	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Notes and Comments	
			Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	TPH-G	BTEX, Oxygenates(5), 1,2-DCA, EDB					
1	MW-4	1000	5/23/12	X			6			X			X	X					
2	MW-2	1120	5/23/12	X			6			X			X	X					
3	EW-1	1150	5/23/12	X			6			X			X	X					
4	MW-8	1205	5/23/12	X			6			X			X	X					
5	MW-6	1245	5/23/12	X			6			X			X	X					
6	MW-8A	-	5/23/12	X			6			X			X	X					
7	TB	-	5/23/12	X			3			X			X	X					

Sampler's Name: <u>J. McBurney</u>	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Confluence Environmental	<u>J. McBurney / Confluence</u>		<u>5/23/12</u>	<u>1255</u>	<u>[Signature]</u> / <u>CES</u>	<u>5/23/12</u>	<u>1255</u>
Shipment Date:							
Shipment Method:							

Special Instructions: *Metals samples were field filtered

3 of 20

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 236482 Date Received 5/23/12 Number of coolers 1
 Client FES Project EVERVILLE SITE

Date Opened 5/23/12 By (print) L. G. W. J. (sign) [Signature]
 Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
 Shipping info _____

2A. Were custody seals present? YES (circle) on cooler on samples NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO (N/A)

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) _____ YES NO

6. Indicate the packing in cooler: (if other, describe) _____

- Bubble Wrap Foam blocks Bags None
- Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: Wet Blue/Gel None Temp(°C) _____

Samples Received on ice & cold without a temperature blank; ~~temp. taken with IR gun~~

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
 If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO

10. Are there any missing / extra samples? _____ YES (NO)

11. Are samples in the appropriate containers for indicated tests? _____ YES NO

12. Are sample labels present, in good condition and complete? _____ YES NO

13. Do the sample labels agree with custody papers? _____ YES NO

14. Was sufficient amount of sample sent for tests requested? _____ YES NO

15. Are the samples appropriately preserved? _____ YES NO N/A

16. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)

17. Did you document your preservative check? _____ YES NO (N/A)

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)

20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

21. Was the client contacted concerning this sample delivery? _____ YES (NO)
 If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Purgeable Organics by GC/MS

Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	187134
Lab ID:	236482-001	Sampled:	05/23/12
Matrix:	Water	Received:	05/23/12
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	11	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	1.4	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-125
1,2-Dichloroethane-d4	120	69-145
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	187134
Lab ID:	236482-002	Sampled:	05/23/12
Matrix:	Water	Received:	05/23/12
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	4.000		

Analyte	Result	RL
Gasoline C7-C12	2,000	200
tert-Butyl Alcohol (TBA)	ND	40
Isopropyl Ether (DIPE)	ND	2.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
MTBE	ND	2.0
1,2-Dichloroethane	ND	2.0
Benzene	200	2.0
Toluene	75	2.0
1,2-Dibromoethane	ND	2.0
Ethylbenzene	26	2.0
m,p-Xylenes	94	2.0
o-Xylene	15	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-125
1,2-Dichloroethane-d4	111	69-145
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Field ID:	EW-1	Batch#:	187134
Lab ID:	236482-003	Sampled:	05/23/12
Matrix:	Water	Received:	05/23/12
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	1,500	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	55	0.50
Toluene	8.7	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	1.4	0.50
m,p-Xylenes	14	0.50
o-Xylene	3.0	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-125
1,2-Dichloroethane-d4	121	69-145
Toluene-d8	100	80-120
Bromofluorobenzene	94	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	187134
Lab ID:	236482-004	Sampled:	05/23/12
Matrix:	Water	Received:	05/23/12
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	4.8	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-125
1,2-Dichloroethane-d4	112	69-145
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	187134
Lab ID:	236482-005	Sampled:	05/23/12
Matrix:	Water	Received:	05/23/12
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-125
1,2-Dichloroethane-d4	114	69-145
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Field ID:	MW-8A	Batch#:	187198
Lab ID:	236482-006	Sampled:	05/23/12
Matrix:	Water	Received:	05/23/12
Units:	ug/L	Analyzed:	06/04/12
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	4.2	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-125
1,2-Dichloroethane-d4	108	69-145
Toluene-d8	96	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
 RL= Reporting Limit

Purgeable Organics by GC/MS

Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Field ID:	TB	Batch#:	187134
Lab ID:	236482-007	Sampled:	05/23/12
Matrix:	Water	Received:	05/23/12
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-125
1,2-Dichloroethane-d4	119	69-145
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	187134
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	1.000		

Type: BS Lab ID: QC642160

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	103.9	83	47-136
Isopropyl Ether (DIPE)	25.00	17.26	69	54-136
Ethyl tert-Butyl Ether (ETBE)	25.00	19.65	79	57-133
Methyl tert-Amyl Ether (TAME)	25.00	21.04	84	65-120
MTBE	25.00	20.42	82	61-121
1,2-Dichloroethane	25.00	28.33	113	70-136
Benzene	25.00	23.39	94	80-121
Toluene	25.00	23.63	95	80-120
1,2-Dibromoethane	25.00	23.58	94	80-120
Ethylbenzene	25.00	24.09	96	80-120
m,p-Xylenes	50.00	47.82	96	80-121
o-Xylene	25.00	23.35	93	80-121

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-125
1,2-Dichloroethane-d4	115	69-145
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-120

Type: BSD Lab ID: QC642161

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	98.33	79	47-136	6	28
Isopropyl Ether (DIPE)	25.00	16.77	67	54-136	3	20
Ethyl tert-Butyl Ether (ETBE)	25.00	18.72	75	57-133	5	20
Methyl tert-Amyl Ether (TAME)	25.00	20.79	83	65-120	1	20
MTBE	25.00	19.05	76	61-121	7	20
1,2-Dichloroethane	25.00	27.05	108	70-136	5	20
Benzene	25.00	22.97	92	80-121	2	20
Toluene	25.00	22.62	90	80-120	4	20
1,2-Dibromoethane	25.00	22.33	89	80-120	5	20
Ethylbenzene	25.00	23.94	96	80-120	1	20
m,p-Xylenes	50.00	46.99	94	80-121	2	20
o-Xylene	25.00	22.66	91	80-121	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-125
1,2-Dichloroethane-d4	114	69-145
Toluene-d8	99	80-120
Bromofluorobenzene	96	80-120

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	187134
Units:	ug/L	Analyzed:	06/01/12
Diln Fac:	1.000		

Type: BS Lab ID: QC642162

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	978.8	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-125
1,2-Dichloroethane-d4	114	69-145
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-120

Type: BSD Lab ID: QC642163

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	988.3	99	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-125
1,2-Dichloroethane-d4	114	69-145
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-120

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC642164	Batch#:	187134
Matrix:	Water	Analyzed:	06/01/12
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-125
1,2-Dichloroethane-d4	111	69-145
Toluene-d8	99	80-120
Bromofluorobenzene	96	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	187198
Units:	ug/L	Analyzed:	06/04/12
Diln Fac:	1.000		

Type: BS Lab ID: QC642413

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.3	88	47-136
Isopropyl Ether (DIPE)	25.00	17.37	69	54-136
Ethyl tert-Butyl Ether (ETBE)	25.00	19.58	78	57-133
Methyl tert-Amyl Ether (TAME)	25.00	20.90	84	65-120
MTBE	25.00	20.86	83	61-121
1,2-Dichloroethane	25.00	27.45	110	70-136
Benzene	25.00	24.01	96	80-121
Toluene	25.00	24.96	100	80-120
1,2-Dibromoethane	25.00	24.50	98	80-120
Ethylbenzene	25.00	26.19	105	80-120
m,p-Xylenes	50.00	51.44	103	80-121
o-Xylene	25.00	25.24	101	80-121

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-125
1,2-Dichloroethane-d4	108	69-145
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC642414

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	100.6	80	47-136	9	28
Isopropyl Ether (DIPE)	25.00	16.52	66	54-136	5	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.34	77	57-133	1	20
Methyl tert-Amyl Ether (TAME)	25.00	21.22	85	65-120	2	20
MTBE	25.00	20.34	81	61-121	3	20
1,2-Dichloroethane	25.00	27.45	110	70-136	0	20
Benzene	25.00	23.57	94	80-121	2	20
Toluene	25.00	23.87	95	80-120	4	20
1,2-Dibromoethane	25.00	24.28	97	80-120	1	20
Ethylbenzene	25.00	24.89	100	80-120	5	20
m,p-Xylenes	50.00	47.20	94	80-121	9	20
o-Xylene	25.00	23.85	95	80-121	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-125
1,2-Dichloroethane-d4	112	69-145
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-120

RPD= Relative Percent Difference

Batch QC Report

Purgeable Organics by GC/MS			
Lab #:	236482	Location:	1650 65th St, Emeryville
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1211.001.02.003	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC642417	Batch#:	187198
Matrix:	Water	Analyzed:	06/04/12
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-125
1,2-Dichloroethane-d4	108	69-145
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-120

ND= Not Detected
 RL= Reporting Limit

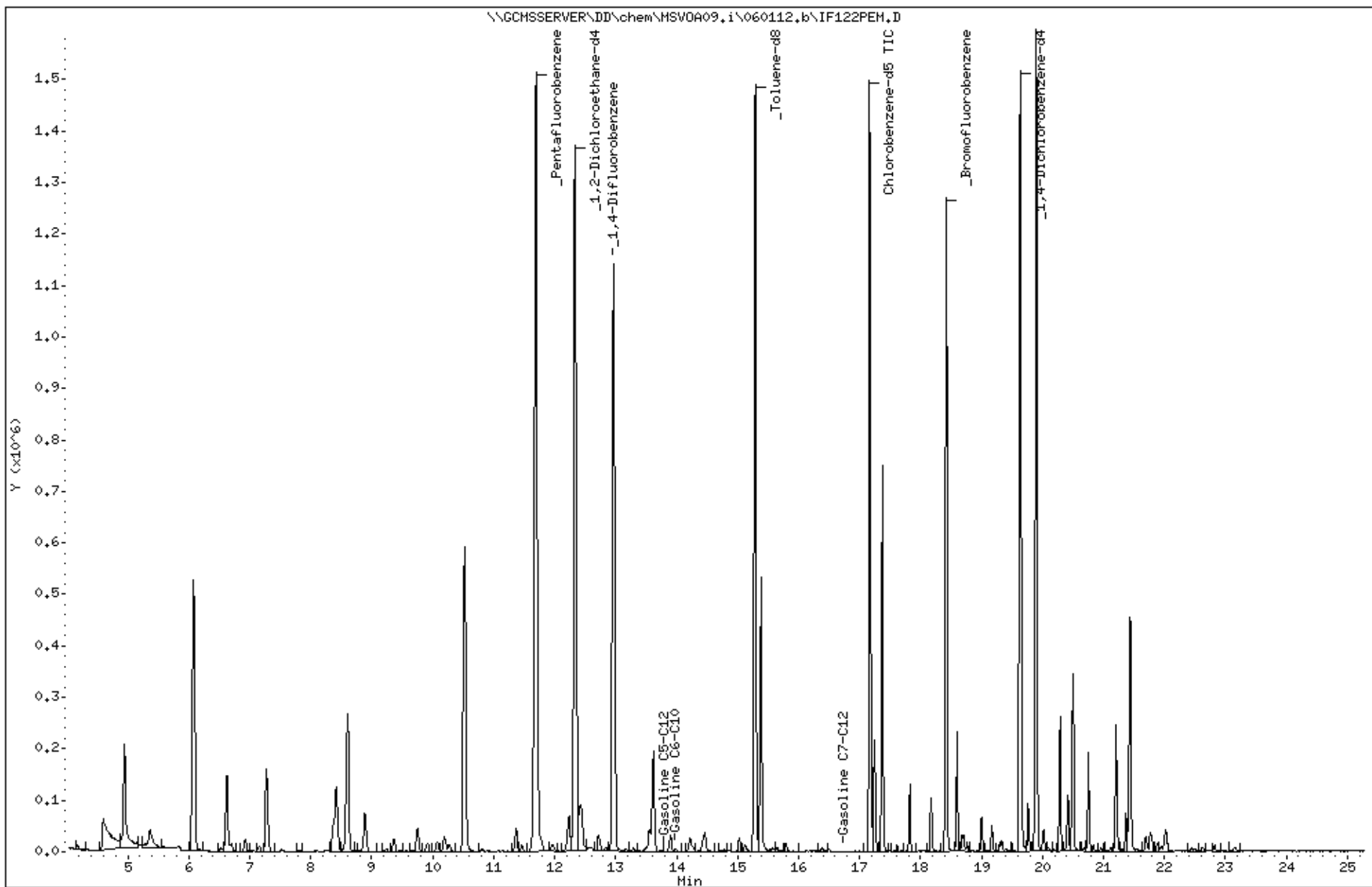
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Sample Info: S,236482-002

Instrument: MSV0A09.i

Operator: VOC

Column diameter: 2.00

Column phase:



Date : 01-JUN-2012 18:04

Client ID: DYNA P&T

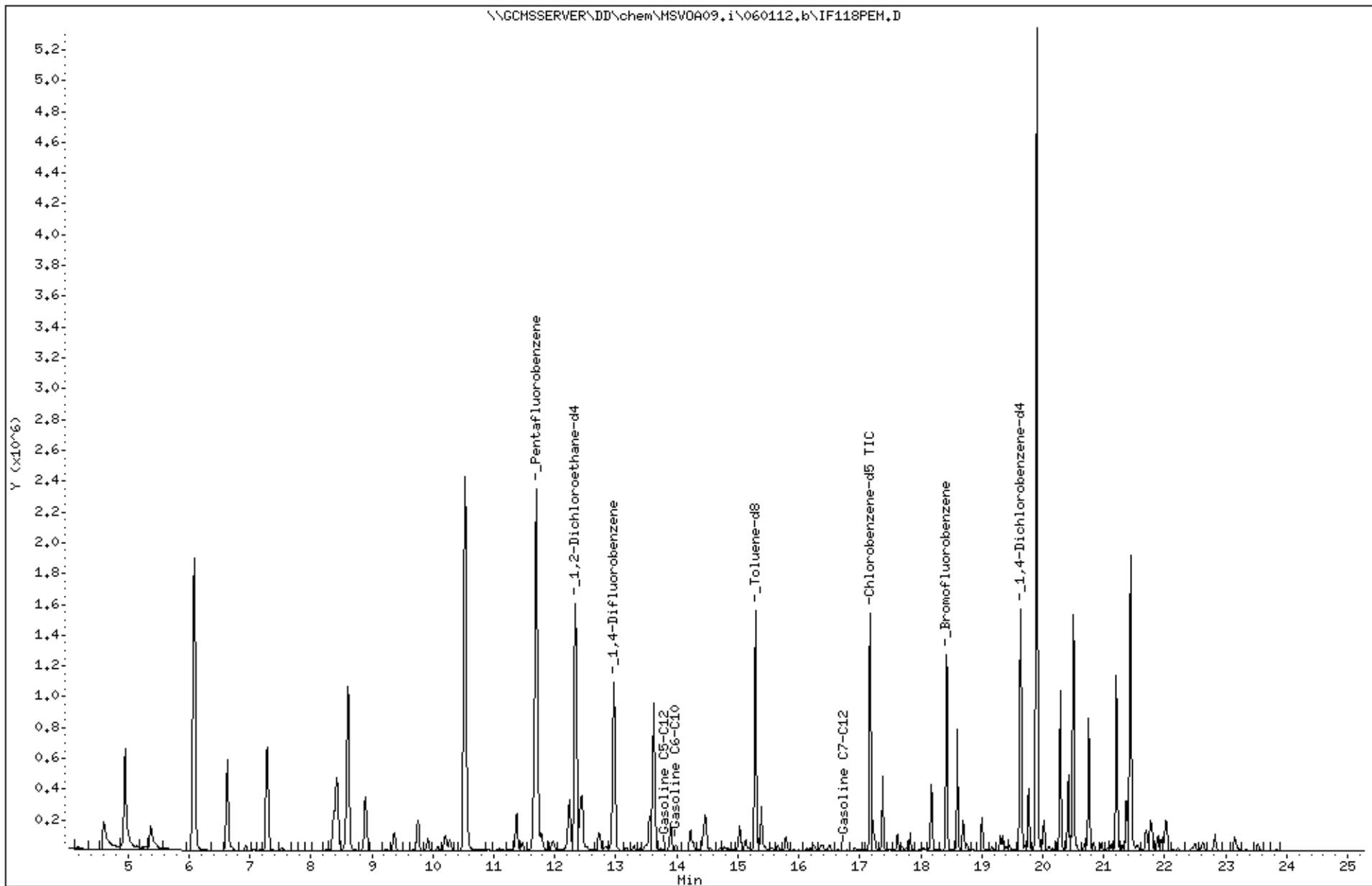
Sample Info: S,236482-003

Instrument: MSV0A09.i

Operator: VOC

Column diameter: 2.00

Column phase:



Date : 01-JUN-2012 11:20

Client ID: DYNA P&T

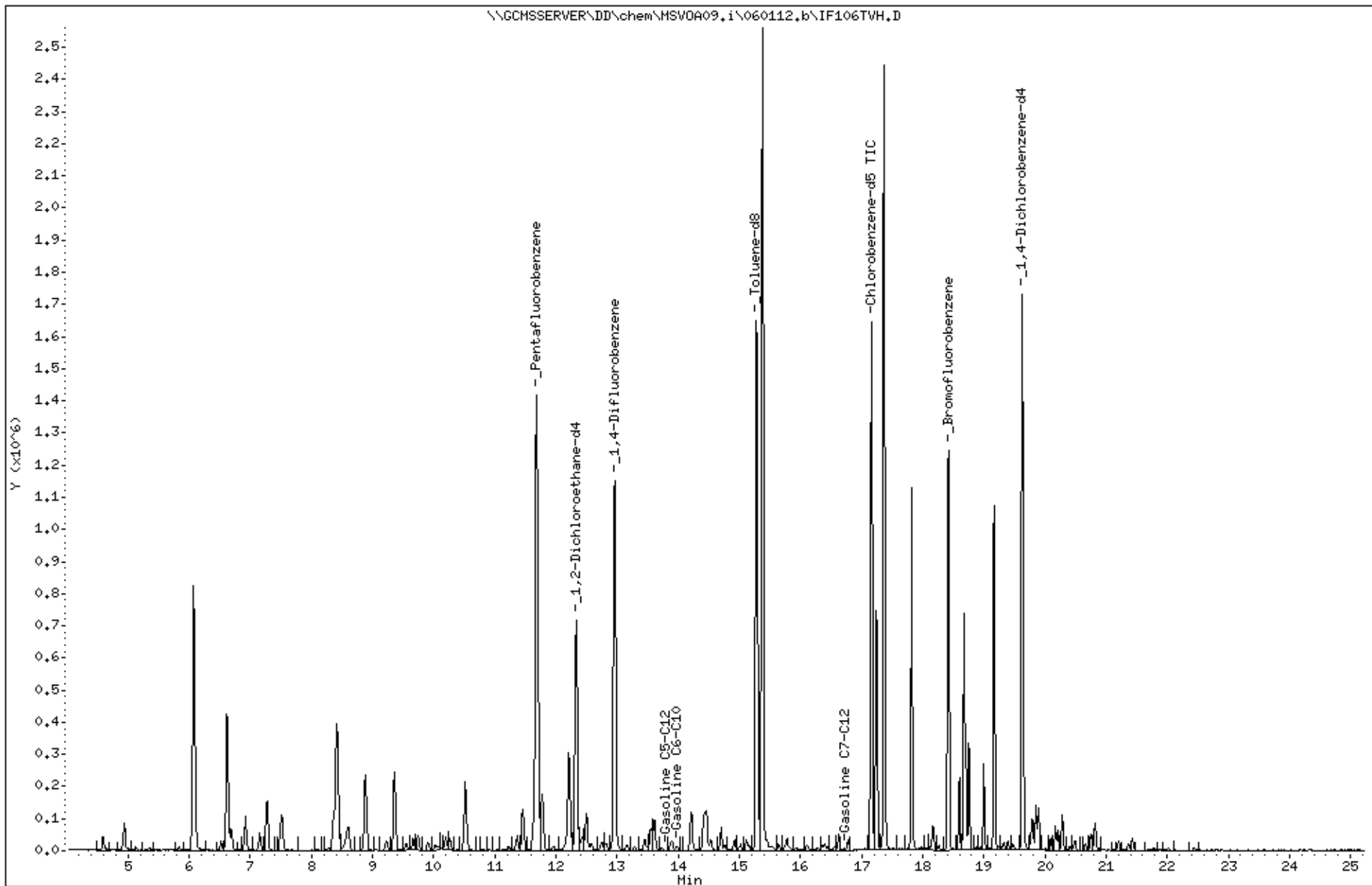
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Instrument: MSV0A09.i

Operator: VOC

Column diameter: 2.00

Column phase:



APPENDIX C

HISTORICAL GROUNDWATER DATA

Table 1. Summary of Groundwater Elevations Through October 2000
1650 65th Street, Emeryville, California

Well Number	Date	Top of Casing (feet MSL)	Depth to Water (feet)	Groundwater Elevations (feet MSL)
MW-2	21-Feb-90	15.75	11.72	4.03
	25-May-90	15.75	11.83	3.92
	29-Aug-90	15.75	11.72	4.03
	29-Nov-90	15.75	11.99	3.76
	1-Mar-91	15.79	12.87	2.92
	28-May-91	15.79	12.21	3.58
	1-Aug-91	15.79	NA	NA
	27-Jan-92	15.79	11.78	4.01
	28-Feb-92	15.79	11.70	4.09
	28-May-92	15.79	11.83	3.96
	27-Aug-92	15.79	12.28	3.51
	10-Nov-92	15.79	12.40	3.39
	18-Feb-93	15.79	12.00	3.79
	20-May-93	15.79	12.00	3.79
	19-Aug-93	15.79	12.11	3.68
	15-Nov-93	15.79	11.64	4.15
	14-Feb-94	15.79	11.45	4.34
	16-May-94	15.79	11.25	4.54
	10-Aug-94	15.79	11.22	4.57
	3-Nov-94	15.79	11.32	4.47
	9-Feb-95	15.79	10.64	5.15
	9-May-95	15.79	10.60	5.19
	10-Aug-95	15.79	10.98	4.81
	13-Nov-95	15.79	11.18	4.61
	2-Mar-96	15.79	10.42	5.37
	9-May-96	15.79	10.78	5.01
	8-Aug-96	15.79	10.56	5.23
	11-Nov-96	15.79	10.64	5.15
	14-Feb-97	15.79	10.29	5.50
	14-May-97	15.79	10.60	5.19
	12-Aug-97	15.79	10.87	4.92
	12-Nov-97	15.79	10.64	5.15
4-Feb-98	15.79	10.83	4.96	
18-May-98	15.79	10.10	5.69	
11-Aug-98	15.79	10.58	5.21	
17-Dec-98	15.79	10.45	5.34	
7-Oct-99	15.79	10.51	5.28	
	12-Oct-00	15.79	10.73	5.06
MW-3	21-Feb-90	12.45	9.18	3.27
	25-May-90	12.45	9.25	3.20
	29-Aug-90	12.45	9.50	2.95
	29-Nov-90	12.45	9.80	2.65
	1-Mar-91	12.43	9.51	2.92
	28-May-91	12.43	9.03	3.40
	1-Aug-91	12.43	NA	NA
	27-Jan-92	12.43	9.44	2.99

Table 1. Summary of Groundwater Elevations Through October 2000
1650 65th Street, Emeryville, California

Well Number	Date	Top of Casing (feet MSL)	Depth to Water (feet)	Groundwater Elevations (feet MSL)
MW-3 Cont.	28-Feb-92	12.43	8.80	3.63
	28-May-92	12.43	8.80	3.63
	27-Aug-92	12.43	9.18	3.25
	10-Nov-92	12.43	9.44	2.99
	18-Feb-93	12.43	7.59	4.84
	20-May-93	12.43	8.21	4.22
	19-Aug-93	12.43	8.71	3.72
	15-Nov-93	12.43	9.09	3.34
	14-Feb-94	12.43	8.84	3.59
	16-May-94	12.43	8.18	4.25
	10-Aug-94	12.43	8.72	3.71
	3-Nov-94	12.43	8.13	4.30
	9-Feb-95	12.43	6.86	5.57
	9-May-95	12.43	7.16	5.27
	10-Aug-95	12.43	8.00	4.43
	13-Nov-95	12.43	8.44	3.99
	2-Mar-96	12.43	7.31	5.12
	9-May-96	12.43	7.72	4.71
	8-Aug-96	12.43	8.22	4.21
	11-Nov-96	12.43	8.67	3.76
	14-Feb-97	12.43	7.18	5.25
	14-May-97	12.43	8.03	4.40
	12-Aug-97	12.43	7.39	5.04
	12-Nov-97	12.43	8.53	3.90
	4-Feb-98	12.43	7.39	5.04
	18-May-98	12.43	7.31	5.12
	11-Aug-98	12.43	7.95	4.48
	17-Dec-98	12.43	8.58	3.85
	7-Oct-99	12.43	8.25	4.18
		12-Oct-00	12.43	8.22
MW-4	21-Feb-90	12.24	8.63	3.61
	25-May-90	12.24	8.58	3.66
	29-Aug-90	12.24	8.50	3.74
	29-Nov-90	12.24	8.74	3.50
	1-Mar-91	12.24	8.65	3.59
	28-May-91	12.24	8.57	3.67
	1-Aug-91	12.24	NA	NA
	27-Jan-92	12.24	8.62	3.62
	28-Feb-92	12.24	8.52	3.72
	28-May-92	12.94	8.35	3.89
	27-Aug-92	12.24	9.00	3.24
	10-Nov-92	12.24	8.85	3.39
	18-Feb-93	12.24	8.17	4.07
	20-May-93	12.24	8.21	4.03
	19-Aug-93	12.24	8.20	4.04
	15-Nov-93	12.24	8.33	3.91

Table 1. Summary of Groundwater Elevations Through October 2000
1650 65th Street, Emeryville, California

Well Number	Date	Top of Casing (feet MSL)	Depth to Water (feet)	Groundwater Elevations (feet MSL)
MW-4 Cont.	14-Feb-94	12.24	8.30	3.94
	16-May-94	12.24	8.20	4.04
	10-Aug-94	12.24	8.14	4.10
	3-Nov-94	12.24	8.30	3.94
	9-Feb-95	12.24	8.11	4.13
	9-May-95	12.24	7.76	4.48
	10-Aug-95	12.24	7.91	4.33
	13-Nov-95	12.24	7.95	4.29
	2-Mar-96	12.24	7.89	4.35
	9-May-96	12.24	7.64	4.60
	8-Aug-96	12.24	7.76	4.48
	11-Nov-96	12.24	8.00	4.24
	14-Feb-97	12.24	7.63	4.61
	14-May-97	12.24	7.78	4.46
	12-Aug-97	12.24	7.71	4.53
	12-Nov-97	12.24	7.84	4.40
	4-Feb-98	12.24	7.11	5.13
	18-May-98	12.24	7.35	4.89
	11-Aug-98	12.24	7.52	4.72
	17-Dec-98	12.24	7.99	4.25
7-Oct-99	12.24	7.82	4.42	
	12-Oct-00	12.24	7.97	4.27
MW-5	21-Feb-90	12.81	6.91	5.90
	25-May-90	12.81	7.58	5.23
	29-Aug-90	12.81	7.75	5.06
	29-Nov-90	12.81	8.17	4.64
	1-Mar-91	12.82	8.11	4.71
	28-May-91	12.82	7.39	5.43
	1-Aug-91	12.82	NA	NA
	27-Jan-92	12.82	7.90	4.92
	28-Feb-92	12.82	7.73	5.09
	28-May-92	12.82	7.18	5.64
	27-Aug-92	12.82	7.54	5.28
	10-Nov-92	12.82	7.90	4.92
	18-Feb-93	12.82	6.58	6.24
	20-May-93	12.82	6.29	6.53
	19-Aug-93	12.82	6.89	5.93
	15-Nov-93	12.82	7.43	5.39
	14-Feb-94	12.82	7.16	5.66
	16-May-94	12.82	6.50	6.32
	10-Aug-94	12.82	6.98	5.84
	3-Nov-94	12.82	7.36	5.46
9-Feb-95	12.82	5.68	7.14	
9-May-95	12.82	5.36	7.46	
10-Aug-95	12.82	6.29	6.53	
13-Nov-95	12.82	6.89	5.93	

Table 1. Summary of Groundwater Elevations Through October 2000
1650 65th Street, Emeryville, California

Well Number	Date	Top of Casing (feet MSL)	Depth to Water (feet)	Groundwater Elevations (feet MSL)
MW-5 Cont.	2-Mar-96	12.82	7.26	5.56
	9-May-96	12.82	6.00	6.82
	8-Aug-96	12.82	6.67	6.15
	11-Nov-96	12.82	6.69	6.13
	14-Feb-97	12.82	5.88	6.94
	14-May-97	12.82	6.25	6.57
	12-Aug-97	12.82	6.77	6.05
	12-Nov-97	12.82	7.21	5.61
	4-Feb-98	12.82	6.81	6.01
	18-May-98	12.82	4.81	8.01
	11-Aug-98	12.82	6.38	6.44
	17-Dec-98	12.82	7.00	5.82
	7-Oct-99	12.82	7.23	5.59
	12-Oct-00	12.82	7.30	5.52
MW-6	1-Mar-91	12.03	8.59	3.44
	28-May-91	12.03	8.35	3.68
	1-Aug-91	12.03	NA	NA
	27-Jan-92	12.03	8.32	3.71
	28-Feb-92	12.03	8.08	3.95
	28-May-92	12.03	8.04	3.99
	27-Aug-92	12.03	8.48	3.55
	10-Nov-92	12.03	8.52	3.51
	18-Feb-93	12.03	8.14	3.89
	20-May-93	12.03	8.46	3.57
	19-Aug-93	12.03	8.61	3.42
	15-Nov-93	12.03	8.30	3.73
	14-Feb-94	12.03	8.09	3.94
	16-May-94	12.03	7.82	4.21
	10-Aug-94	12.03	8.46	3.57
	3-Nov-94	12.03	8.16	3.87
	9-Feb-95	12.03	7.66	4.37
	9-May-95	12.03	8.57	3.46
	10-Aug-95	12.03	7.72	4.31
	13-Nov-95	12.03	8.15	3.88
	2-Mar-96	12.03	8.02	4.01
	9-May-96	12.03	7.64	4.39
	8-Aug-96	12.03	7.53	4.50
	11-Nov-96	12.03	8.45	3.58
	14-Feb-97	12.03	7.58	4.45
	14-May-97	12.03	8.62	3.41
	12-Aug-97	12.03	7.62	4.41
12-Nov-97	12.03	8.56	3.47	
4-Feb-98	12.03	6.56	5.47	
18-May-98	12.03	7.29	4.74	
11-Aug-98	12.03	7.25	4.78	

Table 1. Summary of Groundwater Elevations Through October 2000
1650 65th Street, Emeryville, California

Well Number	Date	Top of Casing (feet MSL)	Depth to Water (feet)	Groundwater Elevations (feet MSL)
MW-6 Cont.	17-Dec-98	12.03	8.42	3.61
	7-Oct-99	12.03	7.62	4.41
	12-Oct-00	12.03	8.05	3.98
MW-7	1-Mar-91	12.9	7.51	5.39
	28-May-91	12.9	7.07	5.83
	1-Aug-91	12.9	NA	NA
	27-Jan-92	12.9	7.28	5.62
	28-Feb-92	12.9	7.04	5.86
	28-May-92	12.9	6.81	6.09
	27-Aug-92	12.9	7.12	5.78
	10-Nov-92	12.9	7.80	5.10
	18-Feb-93	12.9	6.54	6.36
	20-May-93	12.9	6.17	6.73
	19-Aug-93	12.9	6.60	6.30
	15-Nov-93	12.9	6.89	6.01
	14-Feb-94	12.9	6.50	6.40
	17-May-94	12.9	6.07	6.83
	10-Aug-94	12.9	6.34	6.56
	3-Nov-94	12.9	6.18	6.72
	9-Feb-95	12.9	5.57	7.33
	9-May-95	12.9	5.15	7.75
	10-Aug-95	12.9	5.72	7.18
	13-Nov-95	12.9	5.98	6.92
	2-Mar-96	12.9	6.02	6.88
	9-May-96	12.9	6.11	6.79
	8-Aug-96	12.9	6.87	6.03
	11-Nov-96	12.9	6.39	6.51
	14-Feb-97	12.9	5.97	6.93
	14-May-97	12.9	5.89	7.01
	12-Aug-97	12.9	6.56	6.34
12-Nov-97	12.9	6.76	6.14	
4-Feb-98	12.9	5.94	6.96	
18-May-98	12.9	4.19	8.71	
11-Aug-98	12.9	6.21	6.69	
17-Dec-98	12.9	6.80	6.10	
7-Oct-99	12.9	NM	NM	
	12-Oct-00	12.9	7.18	5.72
MW-8	3-Nov-94	15.01	11.06	3.95
	9-Feb-95	15.01	10.23	4.78
	9-Feb-95	15.01	10.48	4.53
	10-Aug-95	15.01	10.74	4.27
	13-Nov-95	15.01	11.02	3.99
	2-Mar-96	15.01	10.11	4.90
	9-May-96	15.01	10.50	4.51
	8-Aug-96	15.01	10.04	4.97

Table 1. Summary of Groundwater Elevations Through October 2000
1650 65th Street, Emeryville, California

Well Number	Date	Top of Casing (feet MSL)	Depth to Water (feet)	Groundwater Elevations (feet MSL)
MW-8	11-Nov-96	15.01	10.55	4.46
Cont.	14-Feb-97	15.01	9.95	5.06
	14-May-97	15.01	10.08	4.93
	12-Aug-97	15.01	10.63	4.38
	12-Nov-97	15.01	10.13	4.88
	4-Feb-98	15.01	10.17	4.84
	18-May-98	15.01	9.49	5.52
	11-Aug-98	15.01	10.57	4.44
	17-Dec-98	15.01	10.52	4.49
	7-Oct-99	15.01	NM	NM
	12-Oct-00	15.01	10.15	4.86

NOTES:

Ft MSL = feet above Mean Sea Level

ES = Engineering-Science, Inc.

PES = PES Environmental, Inc.

BLAINE = Blaine Tech Services, Inc.

NA = Information not available at this date.

NM = Well was inaccessible due to parked cars

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
MW-2	Nov-89	ES	100	NA	NA	8.4	7.4	2.4	13	0.015 *	0.05
	Feb-90	ES	54	NA	NA	7.8	5.6	1.6	8.4	0.032 *	0.021
	May-90	ES	40	NA	NA	7.8	7.5	1.6	7.6	0.076 *	0.025
	Aug-90	ES	49	4.6	NA	9	8	ND	8.9	0.040 *	0.0059
	Nov-90	ES	73	3.5	NA	6.9	5.9	1.4	7.4	NA	NA
	Mar-91	ES	72	1.8	NA	5.5	6.6	1	7.7	NA	NA
	May-91	ES	31	ND	NA	8.4	4.7	1.7	6.3	NA	NA
	Aug-91	ES	47	ND	NA	7.6	1.6	7.3	7.8	NA	NA
	29-Jan-92	PES	77	NA	NA	10.000	8.700	2.000	7.600	NA	NA
	28-Feb-92	PES	70	NA	NA	9.100	6.400	0.530	7.400	NA	NA
	28-May-92	PES	54	NA	NA	8.000	4.800	2.400	6.200	NA	NA
	27-Aug-92	PES	47	NA	NA	2.700	2.900	3.400	9.200	NA	NA
	10-Nov-92	PES	45	<20	NA	6.600	4.000	2.000	5.800	<0.050	NA
	18-Feb-93	PES	14	NA	NA	2.300	0.810	0.670	1.400	NA	NA
	20-May-93	PES	43	NA	NA	7.300	5.200	1.500	5.500	NA	NA
	19-Aug-93	PES	45	NA	NA	4.900	3.700	1.300	3.400	NA	NA
	15-Nov-93	PES	97	NA	NA	6.100	1.700	1.700	4.100	NA	NA
	14-Feb-94	PES	27	NA	NA	5.000	0.830	1.200	3.100	NA	NA
	16-May-94	PES	77	NA	NA	6.800	1.100	1.400	3.300	NA	NA
	10-Aug-94	PES	25	NA	NA	5.600	0.750	1.400	1.700	NA	NA
	3-Nov-94	PES	24	NA	NA	7.200	0.500	1.500	1.600	NA	NA
	9-Feb-95	PES	12	NA	NA	2.200	0.100	0.480	0.940	NA	NA
	9-May-95	PES	7.8	NA	NA	1.300	0.078	0.340	0.480	NA	NA
	10-Aug-95	PES	5.3	NA	NA	1.300	0.150	0.240	0.270	NA	NA
	13-Nov-95	PES	8.5	NA	NA	2.100	0.250	0.430	0.440	NA	NA
	13-Feb-96	PES	5.2	NA	NA	1.500	0.190	0.210	0.290	NA	NA
	9-May-96	PES	1.7	NA	NA	0.370	0.130	0.060	0.090	NA	NA
	8-Aug-96	PES	4.5	NA	NA	1.200	0.490	0.160	0.380	NA	NA
	11-Nov-96	PES	6.0	NA	NA	2.100	0.920	0.200	0.590	NA	NA
	14-Feb-97	PES	3.8	NA	NA	1.500	0.056	0.240	0.040	NA	NA
	14-May-97	PES	3.6	NA	NA	2.000	0.100	0.160	0.220	NA	NA
12-Aug-97	PES	7.3	NA	NA	3.200	0.330	0.290	0.420	NA	NA	
12-Nov-97	PES	8.9	NA	NA	3.000	1.300	0.330	0.750	NA	NA	
4-Feb-98	PES	7.6	NA	NA	2.800	0.190	0.410	0.150	NA	NA	
18-May-98	PES	2.2	NA	NA	1.300	0.240	0.078	0.120	NA	NA	
11-Aug-98	PES	11	NA	NA	2.3	0.42	0.29	0.77	NA	NA	

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
MW-2 Cont.	17-Dec-98	PES	14	NA	<0.2	3.5	0.49	0.49	0.58	NA	NA
	7-Oct-99	PES	11	NA	<0.5	4.8	1.5	0.81	1.6	NA	NA
	7-Oct-00	PES	16	NA	<0.010	3.8	1.3	0.73	1.8	NA	NA
MW-3	Nov-89	ES	0.13	NA	NA	0.0022	ND	ND	0.003	ND	ND
	Feb-90	ES	ND	NA	NA	0.0025	ND	ND	ND	NA	0.011
	May-90	ES	ND	ND	NA	0.002	ND	ND	ND	ND	NA
	Aug-90	ES	ND	0.8	NA	0.0044	0.0029	ND	0.0054	NA	NA
	Nov-90	ES	0.9	0.8	NA	0.0034	ND	ND	ND	NA	NA
	Mar-91	ES	ND	ND	NA	0.025	0.025	0.0053	0.32	NA	NA
	May-91	ES	ND	ND	NA	0.0026	ND	ND	ND	NA	NA
	Aug-91	ES	ND	ND	NA	0.0019	ND	ND	ND	NA	NA
	29-Jan-92	PES	0.092	NA	NA	0.0024	<0.0003	0.0006	<0.0003	NA	NA
	28-Feb-92	PES	0.160***	NA	NA	0.0028	<0.0003	0.0007	0.0005	NA	NA
	28-May-92	PES	<0.050	NA	NA	0.0025	<0.0005	<0.0005	<0.0005	NA	NA
	27-Aug-92	PES	0.370	NA	NA	0.0040	<0.001	<0.0005	<0.0005	NA	NA
	10-Nov-92	PES	0.240	<0.100	NA	0.0042	<0.0003	<0.0003	<0.0006	<0.0003	NA
	18-Feb-93	PES	0.140	NA	NA	0.0018	<0.0005	<0.0005	<0.0005	NA	NA
	20-May-93	PES	0.072	NA	NA	0.0031	<0.0005	<0.0005	<0.0005	NA	NA
	19-Aug-93	PES	<0.050	NA	NA	0.0032	<0.0005	<0.0005	0.0007	NA	NA
	15-Nov-93	PES	0.070	NA	NA	0.0023	0.0007	<0.0005	0.0015	NA	NA
	14-Feb-94	PES	0.120	NA	NA	0.0053	0.0023	0.0012	0.0042	NA	NA
	16-May-94	PES	0.120	NA	NA	0.0031	<0.0005	<0.0005	0.0017	NA	NA
	10-Aug-94	PES	0.1	NA	NA	0.003	<0.0005	0.0005	<0.002	NA	NA
3-Nov-94	PES	0.1	NA	NA	0.003	<0.0005	<0.0005	<0.002	NA	NA	
9-Feb-95	PES	0.1	NA	NA	0.002	<0.0005	<0.0005	<0.002	NA	NA	
9-May-95	PES	0.1	NA	NA	0.003	<0.0005	0.0005	<0.002	NA	NA	
10-Aug-95	PES	0.1	NA	NA	0.003	<0.0005	<0.0005	<0.002	NA	NA	
13-Nov-95	PES	<0.05	NA	NA	0.003	<0.0005	<0.0005	<0.002	NA	NA	

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
MW-4	Nov-89	ES	0.2	NA	NA	0.0023	ND	ND	ND	ND	ND
	Feb-90	ES	ND	NA	NA	ND	ND	ND	ND	NA	0.006
	May-90	ES	ND	ND	NA	0.001	ND	ND	ND	ND	NA
	Aug-90	ES	ND	0.8	NA	0.0089	0.0071	ND	0.0094	NA	NA
	Nov-90	ES	ND	0.7	NA	0.0027	ND	ND	ND	NA	NA
	Mar-91	ES	NA	ND	NA	0.003	ND	ND	ND	NA	NA
	May-91	ES	NA	ND	NA	0.0024	ND	ND	ND	NA	NA
	Aug-91	ES	NA	ND	NA	0.0015	ND	ND	ND	NA	NA
	29-Jan-92	PES	<0.050	NA	NA	0.0022	0.0004	<0.0003	0.0007	NA	NA
	28-Feb-92	PES	<0.050	NA	NA	0.0016	<0.0003	<0.0003	0.0003	NA	NA
	28-May-92	PES	<0.050	NA	NA	0.0015	<0.0005	<0.0005	<0.0005	NA	NA
	27-Aug-92	PES	0.080	NA	NA	0.003	<0.001	<0.0005	0.0005	NA	NA
	10-Nov-92	PES	0.180	<0.100	NA	0.060	0.0009	<0.0003	<0.0006	<0.0003	NA
	18-Feb-93	PES	0.060	NA	NA	0.0017	<0.0005	<0.0005	<0.0005	NA	NA
	20-May-93	PES	<0.050	NA	NA	0.0022	<0.0005	<0.0005	<0.0005	NA	NA
	19-Aug-93	PES	<0.050	NA	NA	0.0020	0.0006	<0.0005	0.0005	NA	NA
	15-Nov-93	PES	<0.050	NA	NA	0.0020	0.0005	<0.0005	0.0009	NA	NA
	14-Feb-94	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	16-May-94	PES	<0.050	NA	NA	0.0017	0.0009	<0.0005	0.0011	NA	NA
	10-Aug-94	PES	<0.05	NA	NA	0.002	<0.0005	<0.0005	<0.002	NA	NA
	3-Nov-94	PES	0.06	NA	NA	0.002	<0.0005	<0.0005	<0.002	NA	NA
	9-Feb-95	PES	0.06	NA	NA	0.002	0.0006	<0.0005	<0.002	NA	NA
	9-May-95	PES	0.07	NA	NA	0.001	<0.0005	<0.0005	<0.002	NA	NA
	10-Aug-95	PES	<0.05	NA	NA	0.001	<0.0005	<0.0005	<0.002	NA	NA
	13-Nov-95	PES	<0.05	NA	NA	0.003	<0.0005	<0.0005	<0.002	NA	NA
	13-Feb-96	PES	<0.05	NA	NA	0.0013	<0.0005	<0.0005	<0.002	NA	NA
	9-May-96	PES	<0.05	NA	NA	0.0009	<0.0005	<0.0005	<0.002	NA	NA
	8-Aug-96	PES	<0.05	NA	NA	0.0009	<0.0005	<0.0005	<0.002	NA	NA
	11-Nov-96	PES	<0.05	NA	NA	0.0013	0.0006	<0.0005	<0.002	NA	NA
	14-Feb-97	PES	<0.05	NA	NA	0.0006	<0.0005	<0.0005	<0.002	NA	NA
	14-May-97	PES	<0.05	NA	NA	0.0009	<0.0005	<0.0005	<0.002	NA	NA
12-Aug-97	PES	<0.05	NA	NA	0.0009	<0.0005	<0.0005	<0.002	NA	NA	
12-Nov-97	PES	<0.05	NA	NA	0.0013	<0.0005	<0.0005	<0.002	NA	NA	
4-Feb-98	PES	0.05	NA	NA	0.0019	0.0018	0.0011	0.004	NA	NA	
18-May-98	PES	<0.05	NA	NA	0.00091	<0.0005	<0.0005	0.0011	NA	NA	
11-Aug-98	PES	<0.05	NA	NA	0.00063	<0.0005	<0.0005	<0.0005	NA	NA	

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
MW-4	17-Dec-98	PES	<0.1	NA	<0.01	<0.001	<0.001	<0.001	<0.001	NA	NA
	Cont. 7-Oct-99	PES	<0.05	NA	<0.005	0.0015	<0.0005	<0.0005	<0.0005	NA	NA
	7-Oct-00	PES	<0.05	NA	<0.0005	0.0013	<0.0005	<0.0005	<0.0005	NA	NA
MW-5	Nov-89	ES	ND	NA	NA	0.074	ND	ND	0.0042	ND	ND
	Feb-90	ES	ND	NA	NA	0.2	ND	ND	ND	NA	0.012
	May-90	ES	ND	ND	NA	0.11	ND	ND	ND	ND	NA
	Aug-90	ES	ND	0.7	NA	0.066	0.0022	ND	0.0038	NA	NA
	Nov-90	ES	0.6	0.9	NA	0.069	ND	ND	ND	NA	NA
	Mar-91	ES	ND	1.1	NA	0.066	0.0023	ND	ND	NA	NA
	May-91	ES	ND	ND	NA	0.11	ND	ND	ND	NA	NA
	Aug-91	ES	ND	ND	NA	0.078	0.0021	ND	ND	NA	NA
	29-Jan-92	PES	0.190	NA	NA	0.090	0.0005	<0.0003	0.0006	NA	NA
	28-Feb-92	PES	0.230***	NA	NA	0.110	0.0009	<0.0003	0.0005	NA	NA
	28-May-92	PES	0.130	NA	NA	0.100	<0.0005	<0.0005	<0.0005	NA	NA
	27-Aug-92	PES	0.520	NA	NA	0.083	0.002	<0.0005	<0.0005	NA	NA
	10-Nov-92	PES	0.240	<0.100	NA	0.074	0.0010	<0.0003	<0.0006	<0.0003	NA
	18-Feb-93	PES	0.190	NA	NA	0.056	0.0006	<0.0005	<0.0005	NA	NA
	20-May-93	PES	<0.200	NA	NA	0.056	<0.002	<0.002	<0.002	NA	NA
	19-Aug-93	PES	0.170	NA	NA	0.050	0.0007	<0.0005	<0.0005	NA	NA
	15-Nov-93	PES	0.220	NA	NA	0.049	0.001	<0.001	<0.001	NA	NA
	14-Feb-94	PES	0.140	NA	NA	0.062	<0.0005	<0.0005	<0.0005	NA	NA
	16-May-94	PES	0.310	NA	NA	0.140	0.003	<0.003	<0.003	NA	NA
	12-Aug-94	PES	0.5	NA	NA	0.095	0.034	0.004	0.014	NA	NA
3-Nov-94	PES	0.4	NA	NA	0.079	0.0006	<0.0005	<0.002	NA	NA	
9-Feb-95	PES	0.3	NA	NA	0.074	0.0008	<0.0005	<0.0002	NA	NA	
9-May-95	PES	0.2	NA	NA	0.047	0.0005	<0.0005	<0.002	NA	NA	
10-Aug-95	PES	0.2	NA	NA	0.046	0.0005	<0.0005	<0.002	NA	NA	
13-Nov-95	PES	0.3	NA	NA	0.048	0.0007	<0.0005	<0.002	NA	NA	

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
MW-6	May-90	ES	NA	ND	NA	ND	ND	ND	ND	ND	ND**
	Aug-90	ES	NA	ND	NA	NA	NA	NA	NA	NA	ND**
	Nov-90	ES	1.2	1.4	NA	0.0012	ND	ND	ND	0.0012	NA
	Mar-91	ES	ND	ND	NA	ND	ND	ND	ND	NA	NA
	May-91	ES	ND	ND	NA	ND	ND	ND	ND	NA	NA
	Aug-91	ES	ND	ND	NA	ND	ND	ND	ND	NA	NA
	29-Jan-92	PES	<0.050	NA	NA	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA
	28-Feb-92	PES	<0.050	NA	NA	<0.0003	<0.0003	<0.0003	<0.0003	NA	NA
	28-May-92	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	27-Aug-92	PES	<0.050****	NA	NA	<0.0005	<0.001	<0.0005	<0.0005	NA	NA
	10-Nov-92	PES	<0.050	<0.100	NA	<0.0003	<0.0003	<0.0003	<0.0006	<0.0003	NA
	18-Feb-93	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	20-May-93	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	19-Aug-93	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	15-Nov-93	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	14-Feb-94	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	16-May-94	PES	<0.050	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	10-Aug-94	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	3-Nov-94	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	9-Feb-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
9-May-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	
10-Aug-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	
13-Nov-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA	
MW-7	May-90	ES	NA	0.6	NA	0.24	ND	ND	ND	0.24	ND**
	Aug-90	ES	ND	ND	NA	0.081	0.0018	ND	ND	0.0844	ND**
	Nov-90	ES	ND	0.8	NA	0.054	ND	ND	ND	0.054	NA
	Mar-91	ES	ND	ND	NA	0.1	0.0036	ND	ND	NA	NA
	May-91	ES	ND	ND	NA	0.12	0.0027	ND	ND	NA	NA
	Aug-91	ES	ND	ND	NA	0.074	0.0033	ND	ND	NA	NA
	29-Jan-92	PES	0.270	NA	NA	0.025	0.0005	<0.0003	0.0008	NA	NA
	28-Feb-92	PES	0.100***	NA	NA	0.033	0.0007	<0.0003	0.0007	NA	NA
	28-May-92	PES	0.150	NA	NA	0.021	<0.0005	<0.0005	<0.0005	NA	NA
	27-Aug-92	PES	0.440	NA	NA	0.011	0.001	<0.0005	<0.0005	NA	NA

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
MW-7 Cont.	10-Nov-92	PES	0.370	<0.100	NA	0.031	0.0012	<0.0003	0.0012	<0.0003	NA
	18-Feb-93	PES	0.270	NA	NA	0.077	0.0013	<0.0005	0.0014	NA	NA
	20-May-93	PES	0.300	NA	NA	0.150	0.003	<0.002	0.003	NA	NA
	19-Aug-93	PES	0.110	NA	NA	0.040	0.0010	<0.0005	0.0011	NA	NA
	15-Nov-93	PES	0.120	NA	NA	0.015	0.0006	<0.0005	0.0023	NA	NA
	14-Feb-94	PES	0.120	NA	NA	0.038	<0.0005	<0.0005	<0.0005	NA	NA
	17-May-94	PES	<0.300	NA	NA	0.061	<0.003	<0.003	<0.003	NA	NA
	10-Aug-94	PES	0.1	NA	NA	0.009	<0.0005	<0.0005	<0.002	NA	NA
	3-Nov-94	PES	0.1	NA	NA	0.003	<0.0005	<0.0005	<0.002	NA	NA
	9-Feb-95	PES	0.2	NA	NA	0.050	0.0006	<0.0005	<0.002	NA	NA
	9-May-95	PES	0.3	NA	NA	0.120	0.001	<0.0005	<0.002	NA	NA
	10-Aug-95	PES	<0.05	NA	NA	0.007	<0.0005	<0.0005	<0.002	NA	NA
	13-Nov-95	PES	0.09	NA	NA	0.003	<0.0005	<0.0005	<0.002	NA	NA
MW-8	3-Nov-94	PES	<0.05	NA	NA	0.001	<0.0005	<0.0005	<0.002	NA	NA
	9-Feb-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	9-May-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	10-Aug-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	13-Nov-95	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	13-Feb-96	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	9-May-96	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	8-Aug-96	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	11-Nov-96	PES	<0.05	NA	NA	<0.0005	0.0009	<0.0005	<0.002	NA	NA
	14-Feb-97	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	14-May-97	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	12-Aug-97	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.002	NA	NA
	12-Nov-97	PES	<0.05	NA	NA	0.0033	0.0023	<0.0005	<0.002	NA	NA
	4-Feb-98	PES	<0.05	NA	NA	0.0011	<0.0005	<0.0005	<0.002	NA	NA
	18-May-98	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	11-Aug-98	PES	<0.05	NA	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
	17-Dec-98	PES	<0.05	NA	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA
7-Oct-99	PES	NS	NS	NS	NS	NS	NS	NS	NA	NA	
12-Oct-00	PES	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
EW-1	May-90	ES	20	ND	NA	7.5	4.5	1	6.3	0.068	ND**
	Aug-90	ES	NA	3.5	NA	6	4.2	ND	4.6	0.016 *	ND**
	Nov-90	ES	47	3.1	NA	6	3.4	1	4.7	NA	NA
	17-Dec-90	ES	NA	NA	NA	11	7.9	2.2	10	NA	NA
	19-Dec-90	ES	NA	NA	NA	3.7	2.5	ND	2.3	NA	NA
	21-Dec-90	ES	NA	NA	NA	3.2	2.2	ND	1.7	NA	NA
	27-Dec-90	ES	NA	NA	NA	2.9	2.1	0.16	1.5	NA	NA
	4-Jan-91	ES	NA	NA	NA	3.2	2.8	ND	ND	NA	NA
	11-Jan-91	ES	NA	NA	NA	3	2.4	0.2	1.8	NA	NA
	6-Feb-91	ES	NA	NA	NA	0.47	0.23	0.011	0.39	NA	NA
	13-Feb-91	ES	NA	NA	NA	1.2	0.28	ND	0.36	NA	NA
	15-Mar-91	ES	NA	NA	NA	0.13	0.085	0.006	0.17	NA	NA
	3-Jul-91	ES	NA	NA	NA	1.3	0.95	0.22	1.4	NA	NA
	1-Aug-91	ES	NA	NA	NA	0.22	0.19	0.013	0.27	NA	NA
	16-Aug-91	ES	NA	NA	NA	0.17	0.16	0.013	0.19	NA	NA
	13-Nov-91	ES	NA	NA	NA	3.1	0.27	0.04	0.22	NA	NA
	29-Jan-92	PES	2.700	NA	NA	0.570	0.150	0.0070	0.260	NA	NA
	26-Mar-92	PES	25.000	NA	NA	3.600	2.600	0.530	2.600	NA	NA
	28-May-92	PES	16.000	NA	NA	3.300	3.200	0.750	2.600	NA	NA
	29-Jun-92	PES	7.000	NA	NA	2.200	3.100	0.270	1.400	NA	NA
	21-Jul-92	PES	1.600	NA	NA	0.220	0.017	<0.0005	0.100	NA	NA
	27-Aug-92	PES	NS	NS	NA	NS	NS	NS	NS	NS	NS
	23-Sep-92	PES	5.200	NA	NA	1.100	0.590	0.100	1.000	NA	NA
	27-Oct-92	PES	1.300	NA	NA	0.220	0.061	0.0053	0.110	NA	NA
	24-Nov-92	PES	7.100	NA	NA	1.400	1.100	0.120	0.890	NA	NA
	18-Feb-93	PES	7.200	NA	NA	1.400	0.930	0.210	1.000	NA	NA
	09-Mar-93	PES	4.600	NA	NA	0.990	0.750	0.062	0.840	NA	NA
	21-Apr-93	PES	4.900	NA	NA	0.270	0.180	0.020	0.190	NA	NA
	13-May-93	PES	2.600	NA	NA	0.520	0.110	0.023	0.330	NA	NA
	28-Jun-93	PES	9.500	NA	NA	1.900	0.460	0.230	1.000	NA	NA
11-Aug-93	PES	1.300	NA	NA	<0.002	<0.002	<0.002	0.400	NA	NA	
15-Nov-93	PES	46.000	NA	NA	2.900	0.380	0.500	1.700	NA	NA	
14-Feb-94	PES	21.000	NA	NA	4.500	0.860	1.000	2.800	NA	NA	
16-May-94	PES	19.000	NA	NA	7.300	0.930	1.300	3.300	NA	NA	
10-Aug-94	PES	19	NA	NA	4.200	0.490	1.100	1.500	NA	NA	
3-Nov-94	PES	20	NA	NA	6.000	0.230	1.400	1.400	NA	NA	
9-Feb-95	PES	8.7	NA	NA	1.800	0.110	0.380	0.740	NA	NA	

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through October 2000
1650 65th Street, Emeryville, California

Concentrations expressed in milligrams per liter (mg/l) - equivalent to parts per million (ppm)

Well Number	Sample Date	Sampled by	TPH as Gasoline	TPH as Diesel	MTBE	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Purgeable Halocarbons	Lead
EW-1	9-May-95	PES	6.6	NA	NA	1.100	0.051	0.270	0.380	NA	NA
Cont.	10-Aug-95	PES	2.6	NA	NA	0.410	0.016	0.110	0.097	NA	NA
	13-Nov-95	PES	14	NA	NA	2.900	0.110	0.550	0.440	NA	NA
	13-Feb-96	PES	3.7	NA	NA	1.000	0.220	0.170	0.280	NA	NA
	9-May-96	PES	0.97	NA	NA	0.230	0.050	0.039	0.047	NA	NA
	8-Aug-96	PES	0.74	NA	NA	0.200	0.063	0.025	0.049	NA	NA
	11-Nov-96	PES	0.64	NA	NA	0.340	0.110	0.034	0.090	NA	NA
	14-Feb-97	PES	4.20	NA	NA	1.600	0.043	0.260	0.040	NA	NA
	14-May-97	PES	2.2	NA	NA	0.940	0.011	0.064	0.068	NA	NA
	12-Aug-97	PES	3.2	NA	NA	1.400	0.028	0.086	0.110	NA	NA
	12-Nov-97	PES	2.0	NA	NA	0.790	0.045	0.028	0.090	NA	NA
	4-Feb-98	PES	7.2	NA	NA	2.600	0.190	0.310	0.140	NA	NA
	18-May-98	PES	1.5	NA	NA	0.820	0.019	0.071	0.067	NA	NA
	11-Aug-98	PES	5.1	NA	NA	1.2	0.0065	0.075	0.21	NA	NA
	17-Dec-98	PES	5.9	NA	0.04	2.2	0.16	0.0035	0.31	NA	NA
	7-Oct-99	PES	11	NA	<0.5	3.1	0.098	0.49	0.89	NA	NA
	12-Oct-00	PES	7.7	NA	<0.010	3.0	0.056	0.38	0.20	NA	NA

NOTES:

* = 1,2-Dichloroethane concentration (only 1,2-Dichloroethane detected).

** = Organic Lead

*** = TPH quantified as gasoline but chromatogram pattern was not typical of gasoline.

¹ = Trichloroethylene concentration (only trichloroethylene detected).

ES = Engineering-Science, Inc.

PES = PES Environmental, Inc.

BLAINE = Blaine Tech Services, Inc.

NA = Not analyzed

ND = Not detected above method detection limit.

NS = Not sampled.

<0.0005 = Not detected above indicated laboratory reporting limit.

MCL = California Maximum Contaminant level, current as of January 1991.

DAL = Department of Health Services Action Levels, current as of January 1991.

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl tert butyl ether

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**GROUNDWATER MONITORING REPORT
SECOND QUARTER 2012 SAMPLING EVENT
1650 65TH STREET
EMERYVILLE, CALIFORNIA
FUEL LEAK CASE NO. RO0000440
GEOTRACKER GLOBAL ID T0600100511**

AUGUST 2, 2012

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