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January 18, 2012

1211.001.01.007

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

Attention: Mr. Mark Detterman

Transmittal
Groundwater Monitoring Report
Fourth Quarter 2011 Sampling Event
1650 65th Street
Emeryville, California
Fuel Leak Case No. RO0000440
Geotracker Global ID T0600100511

RECEIVED

5:33 pm, Jan 23, 2012

Alameda County
Environmental Health

Dear Mr. Detterman:

Submitted herewith for your review is the *Groundwater Monitoring Report, Fourth Quarter 2011 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
Director of Asset Management

cc: Chris Baldassari, PES Environmental, Inc.

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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
FOURTH QUARTER 2011 SAMPLING EVENT
1650 65TH STREET
EMERYVILLE, CALIFORNIA
FUEL LEAK CASE NO. RO0000440
GEOTRACKER GLOBAL ID T0600100511**

JANUARY 19, 2012

By:

Christopher J. Baldassari, P.G. #8920
Senior Geologist

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Principal Engineer



1211.001.01.006

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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 Fourth Quarter 2011 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 Fourth Quarter 2011 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.

3.0 SITE DESCRIPTION

This 5.0-acre project site is located within the Emeryville Brownfield Redevelopment Area. 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 Fourth Quarter 2011 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.

4.1 Groundwater-Level Measurements

Groundwater-level measurements were collected on November 17, 2011 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

Sampling of the wells was performed on November 17, 2011, after collecting groundwater-level measurements, Confluence commenced sampling activities at the wells on November 17, 2011. 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

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 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.

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 methyltertiary-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 November 17, 2011 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 November 17, 2011 ranged from 6.16 feet above mean sea level (feet msl; MW-6) to 8.35 feet msl (MW-7). Groundwater elevation contours developed for November 17, 2011 are presented on Plate 3. In general, groundwater elevations are slightly lower than measurements obtained during Second Quarter 2011. Historical Site groundwater-level elevation data is also presented in Appendix C. Based on measured water levels on November 17, 2011, 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.

Concentrations of TPHg and BTEX during the Fourth Quarter 2011 event for wells nearest the source area (wells MW-2 and EW-1) are generally equal to or slightly higher than Second Quarter 2011 results, but lower than results from the Fourth Quarter 2010 monitoring event. Taken as a whole the results indicate that, when compared to historical levels (Appendix C), concentrations of TPHg and BTEX have consistently declined over time and represent a long-term trend of decreasing concentrations at wells MW-2 and EW-1.

Groundwater samples from wells MW-4 and MW-6 (in the area downgradient of the former UST) had low or non-detected concentrations of TPHg, BTEX, and fuel oxygenates, consistent with samples from Second Quarter 2011. In well MW-4 only a low concentration of benzene (1.3 $\mu\text{g/L}$) was detected. TPHg, BTEX, and fuel oxygenates were not detected at or above their respective laboratory reporting limits in well MW-6.

In upgradient well MW-8, TPHg and BTEX were detected during the current monitoring event, but at concentrations significantly lower than were detected during the Fourth Quarter 2010 event. These constituents were not detected during the Second Quarter 2011 event, with the exception of a low detection of benzene (0.60 $\mu\text{g/L}$).

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 Fourth Quarter 2011 groundwater monitoring event is the 42nd 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 Fourth Quarter 2011 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) have continued a decreasing trend 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, when compared to prior monitoring data, suggest the plume is stable or shrinking;
- Groundwater concentrations at the Site are all below the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Limits (ESLs) for potential vapor intrusion concerns at commercial/industrial sites; and
- TPHg and BTEX were detected in upgradient well MW-8 during the current monitoring event, but at concentrations significantly lower than those detected during the Fourth Quarter 2010 event. TPHg and BTEX were not detected at or above their respective laboratory reporting limits during the Second Quarter 2011 event, with the exception of a low detection of benzene (0.60 $\mu\text{g/L}$). The detected concentrations are below the ESLs for potential vapor intrusion concerns at commercial/industrial sites. Monitoring of MW-8 should be continued to evaluate groundwater conditions in the vicinity of the well.

7.0 CLOSURE

The Fourth Quarter 2011 groundwater monitoring event was successfully completed. Anticipated additional work to be conducted during the first and second quarter 2012 include implementation of soil, sub-slab soil vapor, and groundwater investigation programs under Work Plans approved by ACEH. In accordance with current ACEH requirements, the next groundwater monitoring event is scheduled for the second 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.

ACEH, 2011a. *Request for Work Plan; Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511, Emery Bay Plaza, 1650 65th Street, Emeryville, CA 94608.* April 1.

ACEH, 2011b. *Request for Work Plan Addendum; Fuel Leak Case No. RO0000440 and Geotracker ID T0600100511, Emery Bay Plaza, 1650 65th Street, Emeryville, CA 94608.* November 1.

California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), 2010. *San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan).* December 31.

Engineering-Science (ES) 1987. *Soil Remediation Plan for the Southeastern Corner of 1650 65th Street Property, Emeryville, California.* December 18.

PES Environmental, Inc. 2001. *Groundwater Monitoring Report and Request for Closure, Emery Bay Plaza, 1650 65th Street, Emeryville, California.* April 27.

PES Environmental, Inc. 2009. *Work Plan for Groundwater Monitoring and Preferential Pathway Study, 1650 65th Street, Emeryville, California.* October 7.

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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 |
| 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 |
| 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 | 8.7 | 6.22 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |

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 | | | | | | | HVOCs | 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) | -- | -- | -- |
| 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) | -- | -- | -- |
| 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) | -- | -- | -- |
| 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) | -- | -- | -- |
| MW-7 | 3/6/2010 | -- | ND (50) | ND (1) | 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) | -- | -- | -- |
| 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).

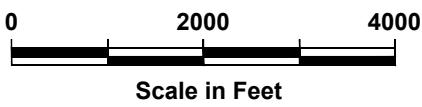
(4) RWQCB Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Concerns (Table E-1; May 2008).

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

ILLUSTRATIONS



PROJECT SITE

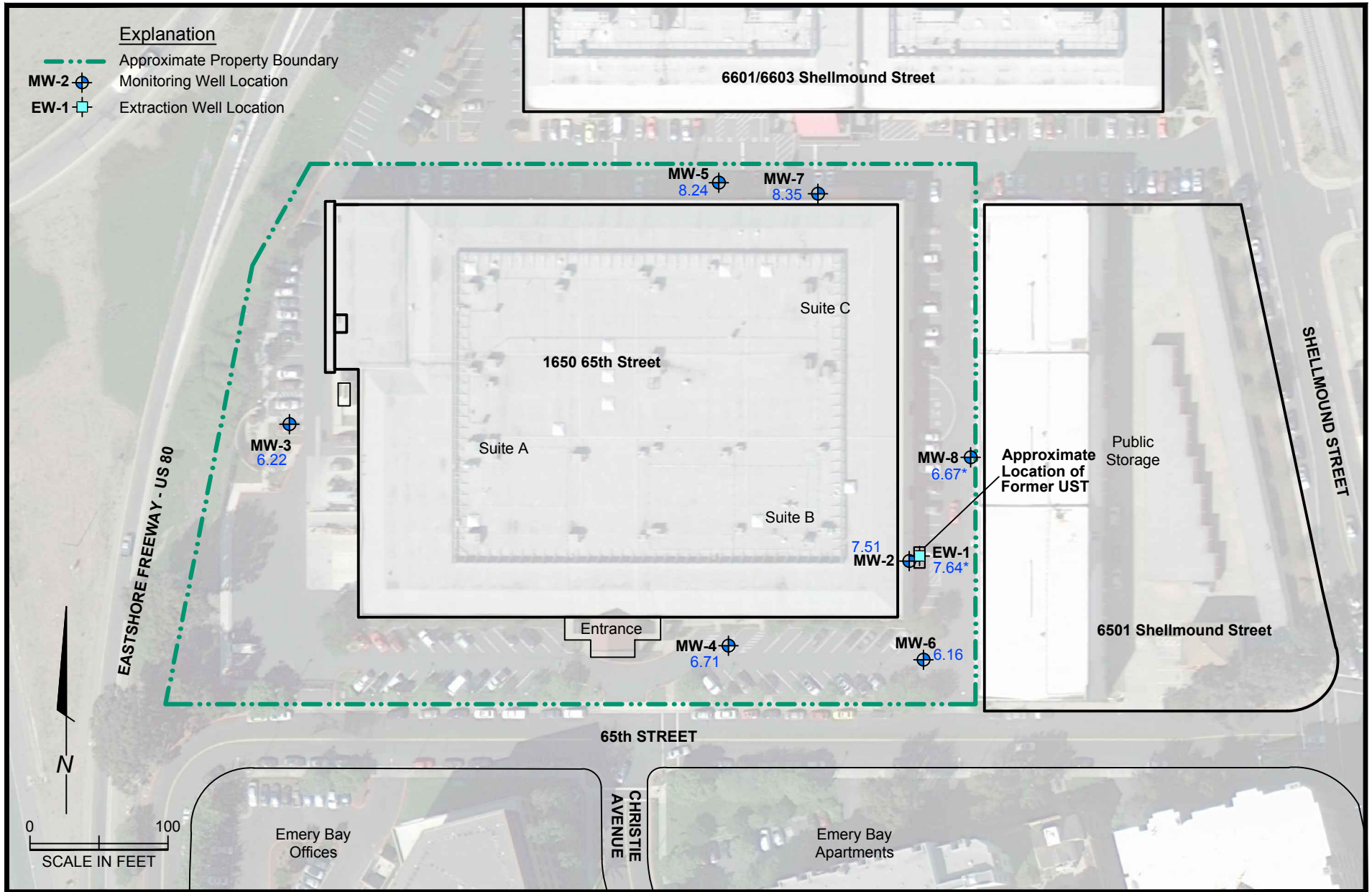


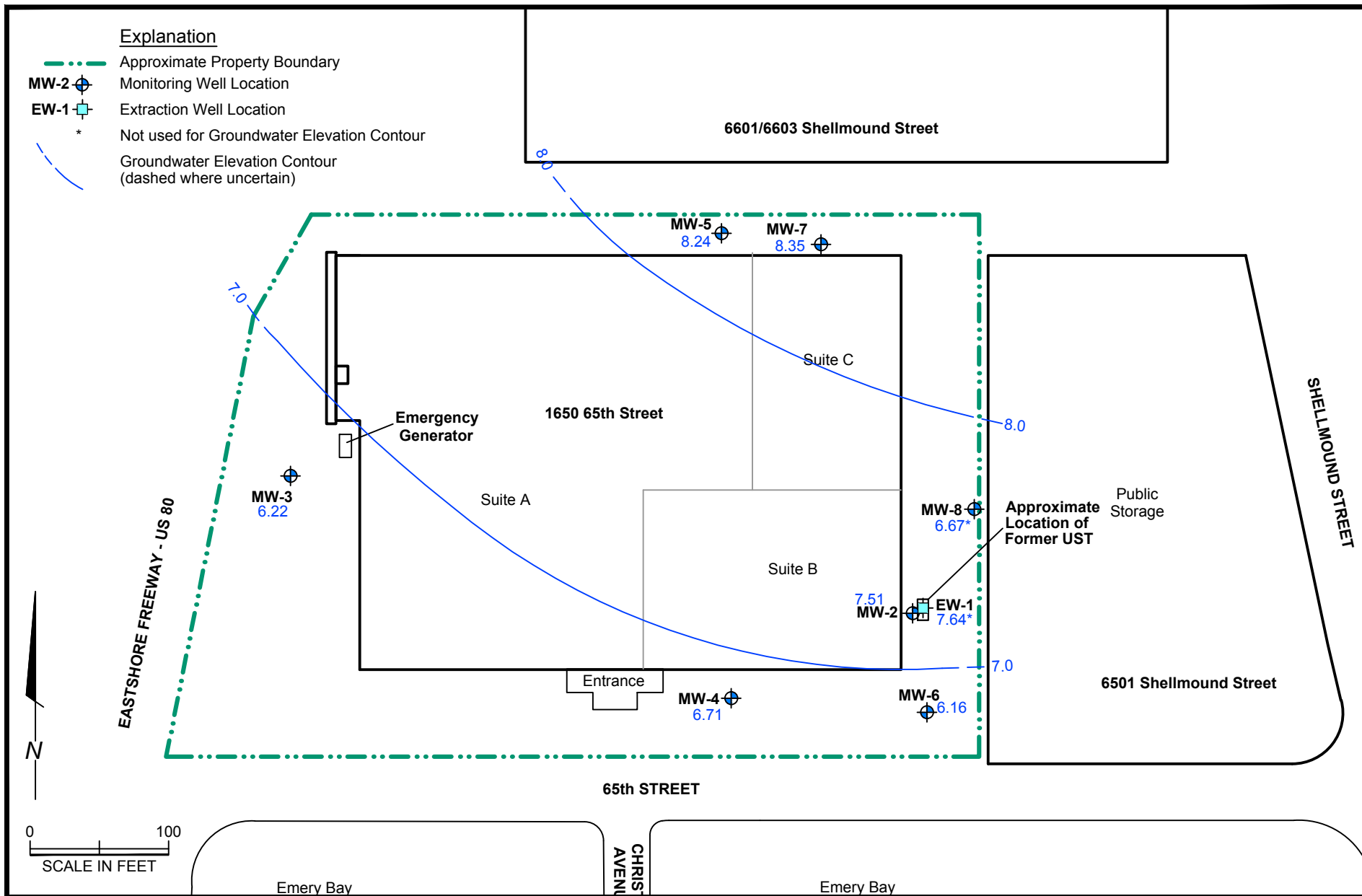
U.S.G.S. Topo Map - Oakland West, California, 7.5-minute quadrangle. Map version 1997; current as of 1993

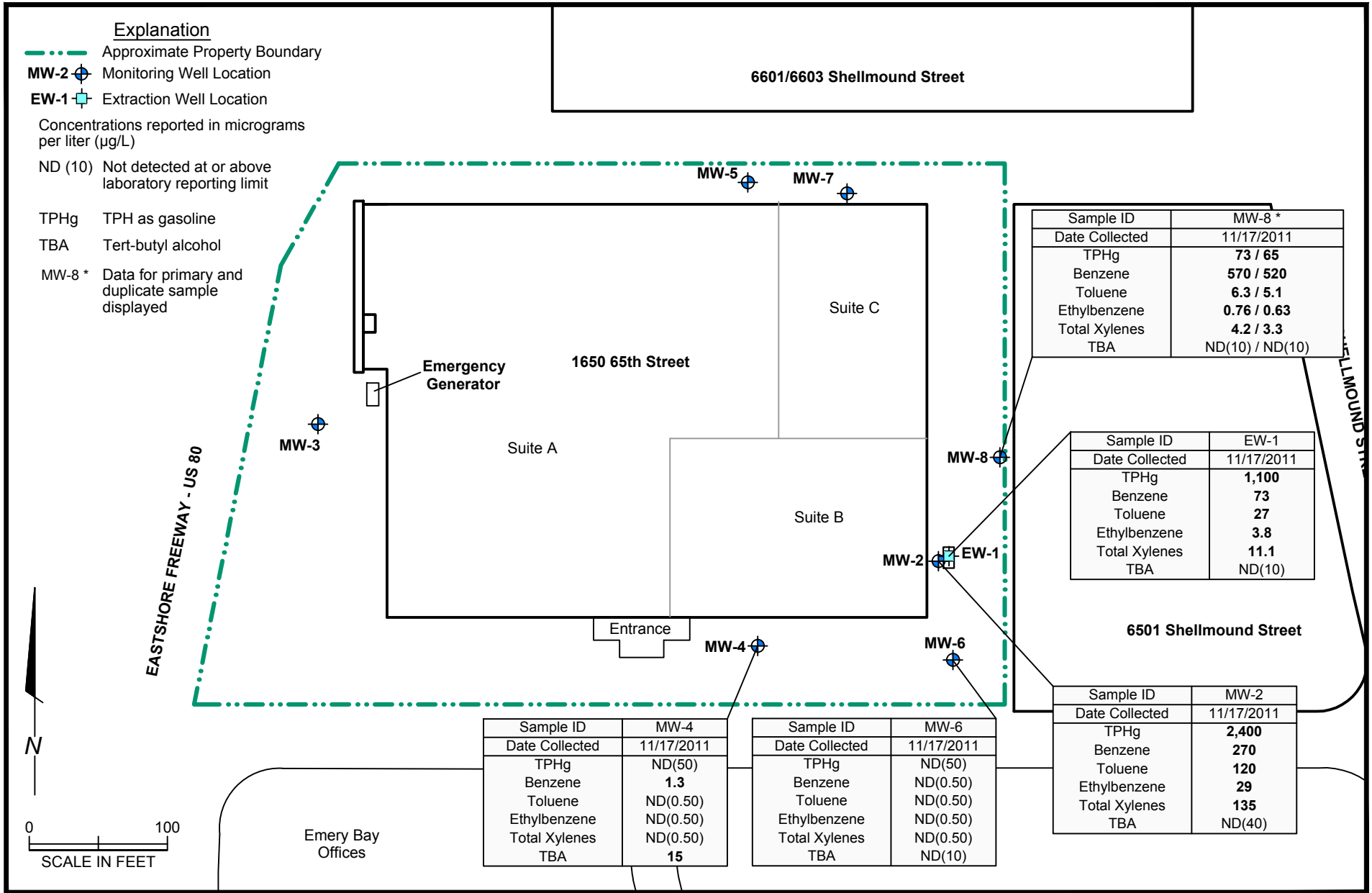


Site Location Map
1650 65th Street
Emeryville, California

PLATE
1







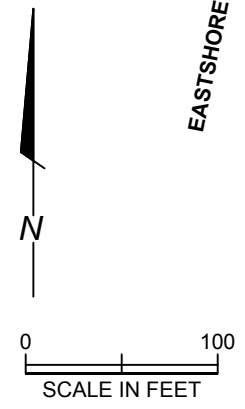
| Sample ID | MW-8 * |
|----------------|-----------------|
| Date Collected | 11/17/2011 |
| TPHg | 73 / 65 |
| Benzene | 570 / 520 |
| Toluene | 6.3 / 5.1 |
| Ethylbenzene | 0.76 / 0.63 |
| Total Xylenes | 4.2 / 3.3 |
| TBA | ND(10) / ND(10) |

| Sample ID | EW-1 |
|----------------|------------|
| Date Collected | 11/17/2011 |
| TPHg | 1,100 |
| Benzene | 73 |
| Toluene | 27 |
| Ethylbenzene | 3.8 |
| Total Xylenes | 11.1 |
| TBA | ND(10) |

| Sample ID | MW-2 |
|----------------|------------|
| Date Collected | 11/17/2011 |
| TPHg | 2,400 |
| Benzene | 270 |
| Toluene | 120 |
| Ethylbenzene | 29 |
| Total Xylenes | 135 |
| TBA | ND(40) |

| Sample ID | MW-4 |
|----------------|------------|
| Date Collected | 11/17/2011 |
| TPHg | ND(50) |
| Benzene | 1.3 |
| Toluene | ND(0.50) |
| Ethylbenzene | ND(0.50) |
| Total Xylenes | ND(0.50) |
| TBA | 15 |

| Sample ID | MW-6 |
|----------------|------------|
| Date Collected | 11/17/2011 |
| TPHg | ND(50) |
| Benzene | ND(0.50) |
| Toluene | ND(0.50) |
| Ethylbenzene | ND(0.50) |
| Total Xylenes | ND(0.50) |
| TBA | ND(10) |



APPENDIX A

MONITORING WELL SAMPLING FORMS



Confluence Environmental, Inc.
 3308 El Camino Ave, Suite 300 # 140
 Sacramento, CA 95821
 916-760-7641 - main
 916-473-8617 - fax
 www.confluence-env.com

Chain of Custody

Project Name: Emeryville Site

Job Number: E1-11117

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 | | | | |
| EW-1 | 1450 | 11-17-11 | X | | | 6 | | | X | | | X | X | | | | | |
| MW-2 | 1445 | | X | | | 6 | | | X | | | X | X | | | | | |
| MW-4 | 1530 | | X | | | 6 | | | X | | | X | X | | | | | |
| MW-6 | 1525 | | X | | | 6 | | | X | | | X | X | | | | | |
| MW-8 | 1520 | | X | | | 6 | | | X | | | X | X | | | | | |
| 0-DOP MW-8A | 1525 | | X | | | 6 | | | X | | | X | X | | | | | |
| TB | - | L | X | | | 1 | | | X | | | X | X | | | | | 3 broken in transit |

| | | | | | | |
|---|-------------------------------|----------|------|---------------------------|----------|------|
| Sampler's Name: <u>E. Morse</u> | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
| Sampler's Company: Confluence Environmental | <i>[Signature]</i> | 11/17/11 | 1605 | <i>[Signature]</i> | 11/17/11 | 1605 |
| 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 |
|----------------------|----------------------------|----------|------|-------------------------|--------------------|----------------------|-----------------|------------|----------|
| U/Kromator II | 622 9874 | 11/17/11 | 1015 | PH - 4.0 7.3 10.0 | 4.0 7.3 10.0 | ✓ | 17.0 | EM | |
| I | I | I | 1018 | Cond 1413 | 1413 | ✓ | 17.0 | EM | |
| | | | | | | | 17.0 | | |
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Notes/comments:

Well Maintenance Inspection Form

Client: PES

Site: 1650 65th st, Emeryville

Date: 11-17-11

Job #: E1-11117

Technician: E. Morse

Page 1 of 1

| Inspection Point | Well Inspected - No Corrective Action Required | Entry Indicates Deficiency | | | | | | | | | | Well Not Inspected (explain in notes) | Notes (Note any repairs made while on site) | | | |
|------------------|--|----------------------------|---------------------|--------------|--|--|--|-------------------------|---------------|------------------|-------------|---------------------------------------|--|-------------|--------------------------|--------------------------|
| | | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (# missing / # total tabs) | Tabs stripped (# stripped / # total tabs.) | Tabs broken (# broken / # of total tabs) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | | | Below Grade | Other (explain in notes) | |
| EW-1 | | | | | 2 2 | | | | | X | | | | | | Rim separated |
| MW-2 | | | | | / | / | / | / | / | X | | | | | | water in box, lid broken |
| MW-4 | ✓ | | | | / | / | / | / | / | | | | | | | water in box |
| MW-6 | ✓ | | | | / | / | / | / | / | | | | | | | water in box |
| MW-8 | | | | | | 3 3 | | | | | | | | | | water in box |
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Notes: _____

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

Water Level Measurements

Job Number: EL-11117

Date: 11/17/11

Client: PES

Site: 1650 65th St. Emeryville

| Well I.D. | Time | Dia | Depth to NAPL | Thickness of NAPL | Depth to water (DTW) | Total Depth (measured) | Total Depth (historical) | Ref Point (TOS/ TOB) | C-D |
|-----------|------|-----|---------------|-------------------|--------------------------------|------------------------|--------------------------|----------------------|-----|
| EW-1 | 1355 | 4 | | | 10.61 | | 28.05 | TOC | 4 |
| MW-2 | 1352 | 2 | | | 10.73 | | 23.75 | | 5 |
| MW-4 | 1342 | 4 | | | 8.02 | | 15.92 | | 3 |
| MW-6 | 1347 | 4 | | | 8.37 | | 18.81 | | 2 |
| MW-8 | 1358 | 2 | | | 10.85 | | 25.10 | | 1 |
| MW-7 | 1540 | 4 | | | 7.10 Parked over | | — | | |
| MW-5 | 1548 | 4 | | | 7.10 | | — | | |
| MW-3 | 1556 | 4 | | | 8.70 | | — | | |
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Purging And Sampling Data Sheet

| | | |
|---|---|------------------|
| Job#: E1-111117 | Sampler: E Morse | Client: PES |
| Well ID: EW-1 | Date: 11/17/11 | Site: Emeryville |
| Well diam: 1/4" 1" 2" 3" <u>(4)</u> 6" Other: | DTW: <u>10.61</u> Total Depth: <u>28.05</u> | |
| Purge equip: <u>ES - diam:</u> Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other: | Tubing: OD: New Dedicated NA | |
| Purge method: <u>3-5 Case Volume</u> 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 = 11.33 X 3 = 34.0 (Total Purge) 80% = 14.09

| Time | Temp (°/°F) | pH | Cond (mS) | Turbidity (NTU) | Purge Rate (gal or mL/ min) | Volume Removed (gal/ L) | Notes |
|------|----------------|------|--------------|--------------------|-----------------------------------|-------------------------------|-------|
| 1427 | 19.9 | 7.26 | 1217 | 6.24 | — | 11.50 | |
| 1430 | 20.2 | 7.03 | 1199 | 2.29 | — | 23.0 | |
| 1434 | 20.1 | 7.01 | 1197 | 2.44 | — | 34.5 | |
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| Did well dewater? YES <input type="radio"/> NO <input checked="" type="radio"/> | Total volume removed: <u>34.5</u> (gal/ L) |
| Sample method: <u>Disp Bailer</u> Ded. Tubing New Tubing Ext. Port Other: | |
| Sample date: 11/17/11 | Sample time: <u>1450</u> DTW at sample: <u>10.76</u> |
| Sample ID: <u>EW-1</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#: E1-111117 | Sampler: E Morse | Client: PES |
| Well ID: MW-2 | Date: 11/17/11 | Site: Emeryville |
| Well diam: 1/4" 1" <u>2"</u> 3" 4" 6" Other: | DTW: <u>10.73</u> Total Depth: <u>23.75</u> | |
| Purge equip: <u>PS - diam</u> Bladder Peri Waterra Positive Air Displacement Ext. System | Tubing: OD: New Dedicated NA | |
| Purge method: <u>3-5 Case Volume</u> 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 = 2.0 X 3 = 6.0 (Total Purge) 80% = 13.33

| Time | Temp (°C/°F) | pH | Cond (mS/µS) | Turbidity (NTU) | Purge Rate (gal or mL/ min) | Volume Removed (gal/ L) | Notes |
|------|-----------------|------|-----------------|--------------------|-----------------------------------|-------------------------------|-------|
| 1436 | 19.5 | 7.65 | 1275 | 46 | | 2.0 | odor |
| 1438 | 20.1 | 7.55 | 1215 | 14 | | 4.0 | |
| 1440 | 20.3 | 7.50 | 1208 | 5.5 | | 6.0 | |
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| Did well dewater? YES <u>NO</u> | Total volume removed: <u>6.0</u> (gal/ L) |
| Sample method: <u>Disp Baile</u> Ded. Tubing New Tubing Ext. Port Other: | |
| Sample date: 11/17/11 | Sample time: <u>1445</u> DTW at sample: <u>10.81</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#: E1-111117 | Sampler: E Morse | Client: PES |
| Well ID: <u>MW-4</u> | Date: 11/17/11 | Site: Emeryville |
| Well diam: 1/4" 1" 2" 3" <u>4"</u> 6" Other: | DTW: <u>8.02</u> Total Depth: <u>15.92</u> | |
| Purge equip: <u>ES-diam</u> Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other: | Tubing: OD: New Dedicated NA | |
| Purge method: <u>3-5 Case Volume</u> 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 = 5.13 X 3 = 15.4 (Total Purge) 80% = 9.60

| Time | Temp (C °F) | pH | Cond (mS / cm) | Turbidity (NTU) | Purge Rate (gal or mL/ min) | Volume Removed (gal L) | Notes |
|------|----------------------------|------|-------------------------------|--------------------|-----------------------------------|--|-------|
| 1414 | 22.6 | 8.9 | 9622 | 10.8 | 3 | 5.25 | |
| 1415 | 23.0 | 9.02 | 9607 | 10.9 | ↓ | 10.50 | |
| 1417 | 22.8 | 8.9 | 9712 | 7.6 | ↓ | 15.75 | |
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| Did well dewater? YES <input checked="" type="checkbox"/> NO | Total volume removed: <u>9.60</u> (gal/L) |
| Sample method: <u>Disp Bailer</u> Ded. Tubing New Tubing Ext. Port Other: | |
| Sample date: 11/17/11 | Sample time: <u>15:30</u> DTW at sample: <u>8.91</u> |
| Sample ID: <u>MW-4</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: |
| Fe2 ⁺ : | Pre-purge ORP: Post purge ORP: |
| NAPL depth: | Volume of NAPL: Volume removed: ml |

Purging And Sampling Data Sheet

| | | |
|--|---|--------------------------------------|
| Job#: E1-111117 | Sampler: E Morse | Client: PES |
| Well ID: MW-6 | Date: 11/17/11 | Site: Emeryville |
| Well diam: 1/4" 1" 2" 3" <u>4"</u> 6" Other: | DTW: <u>8.37</u> Total Depth: <u>18.81</u> | |
| Purge equip: <u>ES - diam</u> Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other: | Tubing: OD: New Dedicated NA | |
| Purge method: <u>3-5 Case Volume</u> 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 = 6.78 X 3 = 20.36 (Total Purge) 80% = 10.46

| Time | Temp (°C °F) | pH | Cond (mS (µS)) | Turbidity (NTU) | Purge Rate (gal or mL/min) | Volume Removed (gal L) | Notes |
|------|-----------------|------|-------------------|--------------------|----------------------------------|------------------------------|-------|
| 1405 | 20.6 | 7.34 | 2841 | 26 | | 7.0 | |
| 1407 | 20.4 | 7.02 | 3116 | 22 | | 14.0 | |
| 1409 | 20.4 | 7.0 | 3210 | 25 | | 21.0 | |
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|---|---|
| Did well dewater? YES <input type="checkbox"/> <u>NO</u> | Total volume removed: <u>21.0</u> (gal/L) |
| Sample method: <u>Disp Bailer</u> Ded. Tubing New Tubing Ext. Port Other: | |
| Sample date: 11/17/11 | Sample time: <u>1505</u> DTW at sample: <u>8.97</u> |
| Sample ID: <u>MW-6</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#: E1-111117 | Sampler: E Morse | Client: PES |
| Well ID: MW-8 | Date: 11/17/11 | Site: Emeryville |
| Well diam: 1/4" 1" <u>2"</u> 3" 4" 6" Other: / | DTW: 1085 Total Depth: 25.10 | |
| Purge equip: <u>ES - diam.</u> Bladder Peri Waterra Positive Air Displacement Ext. System disp bailer teflon bailer other: / | | |
| Purge method: <u>3-5 Case Volume</u> 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 = 2.28 X 3 = 6.84 (Total Purge) 80% = 1370

| Time | Temp (°C / °F) | pH | Cond (mS / µS) | Turbidity (NTU) | Purge Rate (gal or mL / min) | Volume Removed (gal / L) | Notes |
|--|-------------------|--------------------------|------------------------|--------------------|--|--------------------------------|-------|
| Parked over, unable to get pump in well | | | | | | | |
| 1459 | 18.8 | 6.80 | 1984 | 721 | | 2.3 | |
| 1502 | 19.1 | 6.85 | 2501 | 595 | | 4.6 | |
| 1505 | 18.8 | 6.89 | 2595 | 811 | | 7.0 | |
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| Did well dewater? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | | | | | Total volume removed: <u>7.0</u> (gal / L) | | |
| Sample method: Disp Bailer <input type="checkbox"/> Ded. Tubing <input type="checkbox"/> New Tubing <input type="checkbox"/> Ext. Port <input type="checkbox"/> Other: / | | | | | | | |
| Sample date: 11/17/11 | | Sample time: <u>1520</u> | | | DTW at sample: <u>13.65</u> | | |
| Sample ID: / | | | Lab: Curtis & Tompkins | | Number of bottles: <u>6/6</u> | | |
| Analysis: TPH-G, BTEX, Oxy's(5), 1,2-DCA, EDB | | | | | | | |
| Equipment blank ID @ / | | | | Field blank ID @ / | | | |
| Duplicate ID: <u>MW-8A @ 1525</u> | | | | Pre-purge DO: / | | Post purge DO: / | |
| Fe ²⁺ : / | | | | 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 232883
ANALYTICAL REPORT**

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

Project : 1211-001-01
Location : 1650 65th St. Emeryville
Level : II

| <u>Sample ID</u> | <u>Lab ID</u> |
|------------------|---------------|
| EW-1 | 232883-001 |
| MW-2 | 232883-002 |
| MW-4 | 232883-003 |
| MW-6 | 232883-004 |
| MW-8 | 232883-005 |
| MW-8A | 232883-006 |
| TB | 232883-007 |

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: 12/02/2011

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 232883
Client: PES Environmental, Inc.
Project: 1211-001-01
Location: 1650 65th St. Emeryville
Request Date: 11/17/11
Samples Received: 11/17/11

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 11/17/11. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

Low response was observed for tert-butyl alcohol (TBA) in the ICV analyzed 11/11/11 00:12; affected data was qualified with "b". Low response was observed for tert-butyl alcohol (TBA) in the CCV analyzed 11/30/11 08:42; this analyte met minimum response criteria, and affected data was qualified with "b". No other 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

Project Name: Emeryville Site

232883

Job Number: EL-11117

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 | EW-1 | 1450 | 11-17-11 | X | | | 6 | | | | X | | | X | X | | | | | | |
| 2 | MW-2 | 1445 | | X | | | 6 | | | | X | | | X | X | | | | | | |
| 3 | MW-4 | 1530 | | X | | | 6 | | | | X | | | X | X | | | | | | |
| 4 | MW-6 | 1525 | | X | | | 6 | | | | X | | | X | X | | | | | | |
| 5 | MW-8 | 1520 | | X | | | 6 | | | | X | | | X | X | | | | | | |
| 6 | Dup MW-8A | 1525 | | X | | | 6 | | | | X | | | X | X | | | | | | |
| 7 | * TB | - | | X | | | 1 | | | | X | | | X | X | | | | | | 3 broken in transit |

| | | | | | | |
|---|-------------------------------|----------|------|---------------------------|----------|------|
| Sampler's Name: <u>E. Morse</u> | Relinquished By / Affiliation | Date | Time | Accepted By / Affiliation | Date | Time |
| Sampler's Company: Confluence Environmental | <i>[Signature]</i> | 11/17/11 | 1605 | <i>[Signature]</i> | 11/17/11 | 1605 |
| Shipment Date: | | | | | | |
| Shipment Method: | | | | | | |

Special Instructions: *Metals samples were field filtered

COOLER RECEIPT CHECKLIST



Login # 212 983 Date Received 11/17/11 Number of coolers 1
 Client Comfluence Project EI-11117

Date Opened 11/17/11 By (print) David Soderberg (sign) [Signature]
 Date Logged in ✓ By (print) L. HOY (sign) [Signature]

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) 4.5

Samples Received on ice & cold without a temperature blank

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
9) rec'd 3 broken VOAs that was broken during transit as stated on COC
20) - oob 1 of 6 has bubble

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Field ID: | EW-1 | Diln Fac: | 1.000 |
| Lab ID: | 232883-001 | Sampled: | 11/17/11 |
| Matrix: | Water | Received: | 11/17/11 |
| Units: | ug/L | | |

| Analyte | Result | RL | Batch# | Analyzed |
|-------------------------------|--------|------|--------|----------|
| Gasoline C7-C12 | 1,100 | 50 | 181754 | 12/01/11 |
| tert-Butyl Alcohol (TBA) | ND | 10 | 181782 | 11/30/11 |
| Isopropyl Ether (DIPE) | 0.62 | 0.50 | 181782 | 11/30/11 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.50 | 181782 | 11/30/11 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.50 | 181782 | 11/30/11 |
| MTBE | ND | 0.50 | 181782 | 11/30/11 |
| 1,2-Dichloroethane | ND | 0.50 | 181782 | 11/30/11 |
| Benzene | 73 | 0.50 | 181782 | 11/30/11 |
| Toluene | 27 | 0.50 | 181782 | 11/30/11 |
| 1,2-Dibromoethane | ND | 0.50 | 181782 | 11/30/11 |
| Ethylbenzene | 3.8 | 0.50 | 181782 | 11/30/11 |
| m,p-Xylenes | 9.1 | 0.50 | 181782 | 11/30/11 |
| o-Xylene | 2.0 | 0.50 | 181782 | 11/30/11 |

| Surrogate | %REC | Limits | Batch# | Analyzed |
|-----------------------|------|--------|--------|----------|
| Dibromofluoromethane | 93 | 80-127 | 181782 | 11/30/11 |
| 1,2-Dichloroethane-d4 | 103 | 73-145 | 181782 | 11/30/11 |
| Toluene-d8 | 98 | 80-120 | 181782 | 11/30/11 |
| Bromofluorobenzene | 96 | 80-120 | 181782 | 11/30/11 |

ND= Not Detected
 RL= Reporting Limit

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Field ID: | MW-2 | Batch#: | 181754 |
| Lab ID: | 232883-002 | Sampled: | 11/17/11 |
| Matrix: | Water | Received: | 11/17/11 |
| Units: | ug/L | Analyzed: | 11/30/11 |
| Diln Fac: | 4.000 | | |

| Analyte | Result | RL |
|-------------------------------|--------|-----|
| Gasoline C7-C12 | 2,400 | 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 | 270 | 2.0 |
| Toluene | 120 | 2.0 |
| 1,2-Dibromoethane | ND | 2.0 |
| Ethylbenzene | 29 | 2.0 |
| m,p-Xylenes | 100 | 2.0 |
| o-Xylene | 35 | 2.0 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 104 | 80-127 |
| 1,2-Dichloroethane-d4 | 100 | 73-145 |
| Toluene-d8 | 103 | 80-120 |
| Bromofluorobenzene | 102 | 80-120 |

ND= Not Detected
 RL= Reporting Limit

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Field ID: | MW-4 | Diln Fac: | 1.000 |
| Lab ID: | 232883-003 | Sampled: | 11/17/11 |
| Matrix: | Water | Received: | 11/17/11 |
| Units: | ug/L | Analyzed: | 11/30/11 |

| Analyte | Result | RL | Batch# |
|-------------------------------|--------|------|--------|
| Gasoline C7-C12 | ND | 50 | 181754 |
| tert-Butyl Alcohol (TBA) | 15 | 10 | 181782 |
| Isopropyl Ether (DIPE) | ND | 0.50 | 181782 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.50 | 181782 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.50 | 181782 |
| MTBE | ND | 0.50 | 181782 |
| 1,2-Dichloroethane | ND | 0.50 | 181782 |
| Benzene | 1.3 | 0.50 | 181782 |
| Toluene | ND | 0.50 | 181782 |
| 1,2-Dibromoethane | ND | 0.50 | 181782 |
| Ethylbenzene | ND | 0.50 | 181782 |
| m,p-Xylenes | ND | 0.50 | 181782 |
| o-Xylene | ND | 0.50 | 181782 |

| Surrogate | %REC | Limits | Batch# |
|-----------------------|------|--------|--------|
| Dibromofluoromethane | 91 | 80-127 | 181782 |
| 1,2-Dichloroethane-d4 | 102 | 73-145 | 181782 |
| Toluene-d8 | 99 | 80-120 | 181782 |
| Bromofluorobenzene | 92 | 80-120 | 181782 |

ND= Not Detected
 RL= Reporting Limit

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Field ID: | MW-6 | Diln Fac: | 1.000 |
| Lab ID: | 232883-004 | Sampled: | 11/17/11 |
| Matrix: | Water | Received: | 11/17/11 |
| Units: | ug/L | Analyzed: | 11/30/11 |

| Analyte | Result | RL | Batch# |
|-------------------------------|--------|------|--------|
| Gasoline C7-C12 | ND | 50 | 181754 |
| tert-Butyl Alcohol (TBA) | ND | 10 | 181782 |
| Isopropyl Ether (DIPE) | ND | 0.50 | 181782 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.50 | 181782 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.50 | 181782 |
| MTBE | ND | 0.50 | 181782 |
| 1,2-Dichloroethane | ND | 0.50 | 181782 |
| Benzene | ND | 0.50 | 181782 |
| Toluene | ND | 0.50 | 181782 |
| 1,2-Dibromoethane | ND | 0.50 | 181782 |
| Ethylbenzene | ND | 0.50 | 181782 |
| m,p-Xylenes | ND | 0.50 | 181782 |
| o-Xylene | ND | 0.50 | 181782 |

| Surrogate | %REC | Limits | Batch# |
|-----------------------|------|--------|--------|
| Dibromofluoromethane | 92 | 80-127 | 181782 |
| 1,2-Dichloroethane-d4 | 100 | 73-145 | 181782 |
| Toluene-d8 | 99 | 80-120 | 181782 |
| Bromofluorobenzene | 95 | 80-120 | 181782 |

ND= Not Detected
 RL= Reporting Limit

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Field ID: | MW-8 | Units: | ug/L |
| Lab ID: | 232883-005 | Sampled: | 11/17/11 |
| Matrix: | Water | Received: | 11/17/11 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed |
|-------------------------------|--------|------|----------|--------|----------|
| Gasoline C7-C12 | 73 | 50 | 1.000 | 181754 | 11/30/11 |
| tert-Butyl Alcohol (TBA) | ND | 10 | 1.000 | 181782 | 12/01/11 |
| Isopropyl Ether (DIPE) | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| MTBE | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| 1,2-Dichloroethane | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Benzene | 570 | 5.0 | 10.00 | 181790 | 12/01/11 |
| Toluene | 6.3 | 0.50 | 1.000 | 181782 | 12/01/11 |
| 1,2-Dibromoethane | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Ethylbenzene | 0.76 | 0.50 | 1.000 | 181782 | 12/01/11 |
| m,p-Xylenes | 3.1 | 0.50 | 1.000 | 181782 | 12/01/11 |
| o-Xylene | 1.1 | 0.50 | 1.000 | 181782 | 12/01/11 |

| Surrogate | %REC | Limits | Diln Fac | Batch# | Analyzed |
|-----------------------|------|--------|----------|--------|----------|
| Dibromofluoromethane | 90 | 80-127 | 1.000 | 181782 | 12/01/11 |
| 1,2-Dichloroethane-d4 | 76 | 73-145 | 1.000 | 181782 | 12/01/11 |
| Toluene-d8 | 97 | 80-120 | 1.000 | 181782 | 12/01/11 |
| Bromofluorobenzene | 94 | 80-120 | 1.000 | 181782 | 12/01/11 |

ND= Not Detected
 RL= Reporting Limit

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Field ID: | MW-8A | Units: | ug/L |
| Lab ID: | 232883-006 | Sampled: | 11/17/11 |
| Matrix: | Water | Received: | 11/17/11 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed |
|-------------------------------|--------|------|----------|--------|----------|
| Gasoline C7-C12 | 65 | 50 | 1.000 | 181754 | 11/30/11 |
| tert-Butyl Alcohol (TBA) | ND | 10 | 1.000 | 181782 | 12/01/11 |
| Isopropyl Ether (DIPE) | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Ethyl tert-Butyl Ether (ETBE) | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Methyl tert-Amyl Ether (TAME) | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| MTBE | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| 1,2-Dichloroethane | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Benzene | 520 | 4.2 | 8.333 | 181790 | 12/01/11 |
| Toluene | 5.1 | 0.50 | 1.000 | 181782 | 12/01/11 |
| 1,2-Dibromoethane | ND | 0.50 | 1.000 | 181782 | 12/01/11 |
| Ethylbenzene | 0.63 | 0.50 | 1.000 | 181782 | 12/01/11 |
| m,p-Xylenes | 2.5 | 0.50 | 1.000 | 181782 | 12/01/11 |
| o-Xylene | 0.81 | 0.50 | 1.000 | 181782 | 12/01/11 |

| Surrogate | %REC | Limits | Diln Fac | Batch# | Analyzed |
|-----------------------|------|--------|----------|--------|----------|
| Dibromofluoromethane | 92 | 80-127 | 1.000 | 181782 | 12/01/11 |
| 1,2-Dichloroethane-d4 | 81 | 73-145 | 1.000 | 181782 | 12/01/11 |
| Toluene-d8 | 100 | 80-120 | 1.000 | 181782 | 12/01/11 |
| Bromofluorobenzene | 92 | 80-120 | 1.000 | 181782 | 12/01/11 |

ND= Not Detected
 RL= Reporting Limit

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Field ID: | TB | Batch#: | 181754 |
| Lab ID: | 232883-007 | Sampled: | 11/17/11 |
| Matrix: | Water | Received: | 11/17/11 |
| Units: | ug/L | Analyzed: | 11/30/11 |
| 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 | 101 | 80-127 |
| 1,2-Dichloroethane-d4 | 99 | 73-145 |
| Toluene-d8 | 105 | 80-120 |
| Bromofluorobenzene | 98 | 80-120 |

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 181754 |
| Units: | ug/L | Analyzed: | 11/30/11 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC620648

| Analyte | Spiked | Result | %REC | Limits |
|-------------------------------|--------|---------|------|--------|
| tert-Butyl Alcohol (TBA) | 125.0 | 80.76 b | 65 | 46-141 |
| Isopropyl Ether (DIPE) | 25.00 | 22.32 | 89 | 52-139 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 21.94 | 88 | 56-131 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 18.90 | 76 | 65-120 |
| MTBE | 25.00 | 17.74 | 71 | 59-123 |
| 1,2-Dichloroethane | 25.00 | 26.14 | 105 | 71-135 |
| Benzene | 25.00 | 24.26 | 97 | 80-122 |
| Toluene | 25.00 | 22.68 | 91 | 80-120 |
| 1,2-Dibromoethane | 25.00 | 20.21 | 81 | 79-120 |
| Ethylbenzene | 25.00 | 24.68 | 99 | 80-120 |
| m,p-Xylenes | 50.00 | 49.04 | 98 | 80-120 |
| o-Xylene | 25.00 | 23.27 | 93 | 80-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 109 | 80-127 |
| 1,2-Dichloroethane-d4 | 115 | 73-145 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 99 | 80-120 |

Type: BSD Lab ID: QC620649

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|-------------------------------|--------|---------|------|--------|-----|-----|
| tert-Butyl Alcohol (TBA) | 125.0 | 80.13 b | 64 | 46-141 | 1 | 31 |
| Isopropyl Ether (DIPE) | 25.00 | 21.90 | 88 | 52-139 | 2 | 20 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 21.38 | 86 | 56-131 | 3 | 20 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 17.53 | 70 | 65-120 | 8 | 20 |
| MTBE | 25.00 | 17.17 | 69 | 59-123 | 3 | 20 |
| 1,2-Dichloroethane | 25.00 | 23.77 | 95 | 71-135 | 9 | 20 |
| Benzene | 25.00 | 21.15 | 85 | 80-122 | 14 | 20 |
| Toluene | 25.00 | 23.06 | 92 | 80-120 | 2 | 20 |
| 1,2-Dibromoethane | 25.00 | 21.31 | 85 | 79-120 | 5 | 20 |
| Ethylbenzene | 25.00 | 24.50 | 98 | 80-120 | 1 | 20 |
| m,p-Xylenes | 50.00 | 48.74 | 97 | 80-120 | 1 | 20 |
| o-Xylene | 25.00 | 24.00 | 96 | 80-120 | 3 | 20 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 105 | 80-127 |
| 1,2-Dichloroethane-d4 | 104 | 73-145 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 109 | 80-120 |

b= See narrative
 RPD= Relative Percent Difference
 Page 1 of 1

Batch QC Report

| Gasoline by GC/MS | | | |
|--------------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC620650 | Batch#: | 181754 |
| Matrix: | Water | Analyzed: | 11/30/11 |
| 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 | 104 | 80-127 |
| 1,2-Dichloroethane-d4 | 102 | 73-145 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 98 | 80-120 |

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 181754 |
| Units: | ug/L | Analyzed: | 11/30/11 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC620651

| Analyte | Spiked | Result | %REC | Limits |
|-----------------|--------|--------|------|--------|
| Gasoline C7-C12 | 1,000 | 1,096 | 110 | 80-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 102 | 80-127 |
| 1,2-Dichloroethane-d4 | 106 | 73-145 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 100 | 80-120 |

Type: BSD Lab ID: QC620652

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|-----------------|--------|--------|------|--------|-----|-----|
| Gasoline C7-C12 | 1,000 | 1,036 | 104 | 80-120 | 6 | 20 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 102 | 80-127 |
| 1,2-Dichloroethane-d4 | 99 | 73-145 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 101 | 80-120 |

RPD= Relative Percent Difference

Batch QC Report

| Gasoline by GC/MS | | | |
|--------------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC620764 | Batch#: | 181782 |
| Matrix: | Water | Analyzed: | 11/30/11 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|-------------------------------|---------------|-----------|
| Gasoline C7-C12 | NA | |
| 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 | 90 | 80-127 |
| 1,2-Dichloroethane-d4 | 99 | 73-145 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 94 | 80-120 |

NA= Not Analyzed
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 181782 |
| Units: | ug/L | Analyzed: | 11/30/11 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC620765

| Analyte | Spiked | Result | %REC | Limits |
|-------------------------------|--------|--------|------|--------|
| tert-Butyl Alcohol (TBA) | 62.50 | 47.00 | 75 | 46-141 |
| Isopropyl Ether (DIPE) | 12.50 | 9.639 | 77 | 52-139 |
| Ethyl tert-Butyl Ether (ETBE) | 12.50 | 10.90 | 87 | 56-131 |
| Methyl tert-Amyl Ether (TAME) | 12.50 | 11.04 | 88 | 65-120 |
| MTBE | 12.50 | 9.889 | 79 | 59-123 |
| 1,2-Dichloroethane | 12.50 | 11.33 | 91 | 71-135 |
| Benzene | 12.50 | 12.70 | 102 | 80-122 |
| Toluene | 12.50 | 13.39 | 107 | 80-120 |
| 1,2-Dibromoethane | 12.50 | 13.33 | 107 | 79-120 |
| Ethylbenzene | 12.50 | 14.03 | 112 | 80-120 |
| m,p-Xylenes | 25.00 | 29.82 | 119 | 80-120 |
| o-Xylene | 12.50 | 14.83 | 119 | 80-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 88 | 80-127 |
| 1,2-Dichloroethane-d4 | 92 | 73-145 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 92 | 80-120 |

Type: BSD Lab ID: QC620766

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|-------------------------------|--------|--------|------|--------|-----|-----|
| tert-Butyl Alcohol (TBA) | 62.50 | 55.05 | 88 | 46-141 | 16 | 31 |
| Isopropyl Ether (DIPE) | 12.50 | 9.637 | 77 | 52-139 | 0 | 20 |
| Ethyl tert-Butyl Ether (ETBE) | 12.50 | 11.24 | 90 | 56-131 | 3 | 20 |
| Methyl tert-Amyl Ether (TAME) | 12.50 | 11.84 | 95 | 65-120 | 7 | 20 |
| MTBE | 12.50 | 10.55 | 84 | 59-123 | 6 | 20 |
| 1,2-Dichloroethane | 12.50 | 12.13 | 97 | 71-135 | 7 | 20 |
| Benzene | 12.50 | 12.57 | 101 | 80-122 | 1 | 20 |
| Toluene | 12.50 | 12.90 | 103 | 80-120 | 4 | 20 |
| 1,2-Dibromoethane | 12.50 | 13.73 | 110 | 79-120 | 3 | 20 |
| Ethylbenzene | 12.50 | 13.35 | 107 | 80-120 | 5 | 20 |
| m,p-Xylenes | 25.00 | 28.22 | 113 | 80-120 | 6 | 20 |
| o-Xylene | 12.50 | 14.36 | 115 | 80-120 | 3 | 20 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 89 | 80-127 |
| 1,2-Dichloroethane-d4 | 96 | 73-145 |
| Toluene-d8 | 94 | 80-120 |
| Bromofluorobenzene | 92 | 80-120 |

RPD= Relative Percent Difference

Batch QC Report

| Gasoline by GC/MS | | | |
|--------------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC620767 | Batch#: | 181754 |
| Matrix: | Water | Analyzed: | 11/30/11 |
| 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 | 101 | 80-127 |
| 1,2-Dichloroethane-d4 | 103 | 73-145 |
| Toluene-d8 | 106 | 80-120 |
| Bromofluorobenzene | 97 | 80-120 |

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

| Gasoline by GC/MS | | | |
|-------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 181790 |
| Units: | ug/L | Analyzed: | 12/01/11 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC620793

| Analyte | Spiked | Result | %REC | Limits |
|-------------------------------|--------|---------|------|--------|
| tert-Butyl Alcohol (TBA) | 125.0 | 126.6 b | 101 | 46-141 |
| Isopropyl Ether (DIPE) | 25.00 | 20.50 | 82 | 52-139 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 24.11 | 96 | 56-131 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 22.45 | 90 | 65-120 |
| MTBE | 25.00 | 20.69 | 83 | 59-123 |
| 1,2-Dichloroethane | 25.00 | 30.91 | 124 | 71-135 |
| Benzene | 25.00 | 26.11 | 104 | 80-122 |
| Toluene | 25.00 | 24.71 | 99 | 80-120 |
| 1,2-Dibromoethane | 25.00 | 23.42 | 94 | 79-120 |
| Ethylbenzene | 25.00 | 26.12 | 104 | 80-120 |
| m,p-Xylenes | 50.00 | 52.40 | 105 | 80-120 |
| o-Xylene | 25.00 | 24.63 | 99 | 80-120 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 114 | 80-127 |
| 1,2-Dichloroethane-d4 | 124 | 73-145 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 100 | 80-120 |

Type: BSD Lab ID: QC620794

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|-------------------------------|--------|---------|------|--------|-----|-----|
| tert-Butyl Alcohol (TBA) | 125.0 | 135.7 b | 109 | 46-141 | 7 | 31 |
| Isopropyl Ether (DIPE) | 25.00 | 20.74 | 83 | 52-139 | 1 | 20 |
| Ethyl tert-Butyl Ether (ETBE) | 25.00 | 23.70 | 95 | 56-131 | 2 | 20 |
| Methyl tert-Amyl Ether (TAME) | 25.00 | 22.36 | 89 | 65-120 | 0 | 20 |
| MTBE | 25.00 | 24.30 | 97 | 59-123 | 16 | 20 |
| 1,2-Dichloroethane | 25.00 | 29.98 | 120 | 71-135 | 3 | 20 |
| Benzene | 25.00 | 25.02 | 100 | 80-122 | 4 | 20 |
| Toluene | 25.00 | 23.76 | 95 | 80-120 | 4 | 20 |
| 1,2-Dibromoethane | 25.00 | 23.77 | 95 | 79-120 | 2 | 20 |
| Ethylbenzene | 25.00 | 25.03 | 100 | 80-120 | 4 | 20 |
| m,p-Xylenes | 50.00 | 50.26 | 101 | 80-120 | 4 | 20 |
| o-Xylene | 25.00 | 23.76 | 95 | 80-120 | 4 | 20 |

| Surrogate | %REC | Limits |
|-----------------------|------|--------|
| Dibromofluoromethane | 113 | 80-127 |
| 1,2-Dichloroethane-d4 | 125 | 73-145 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 99 | 80-120 |

b= See narrative
 RPD= Relative Percent Difference
 Page 1 of 1

Batch QC Report

| Gasoline by GC/MS | | | |
|--------------------------|-------------------------|-----------|--------------------------|
| Lab #: | 232883 | Location: | 1650 65th St. Emeryville |
| Client: | PES Environmental, Inc. | Prep: | EPA 5030B |
| Project#: | 1211-001-01 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC620795 | Batch#: | 181790 |
| Matrix: | Water | Analyzed: | 12/01/11 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|-------------------------------|---------------|-----------|
| Gasoline C7-C12 | NA | |
| 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 | 120 | 80-127 |
| 1,2-Dichloroethane-d4 | 123 | 73-145 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 105 | 80-120 |

NA= Not Analyzed
 ND= Not Detected
 RL= Reporting Limit

Date : 01-DEC-2011 01:47

Client ID: DYNA P&T

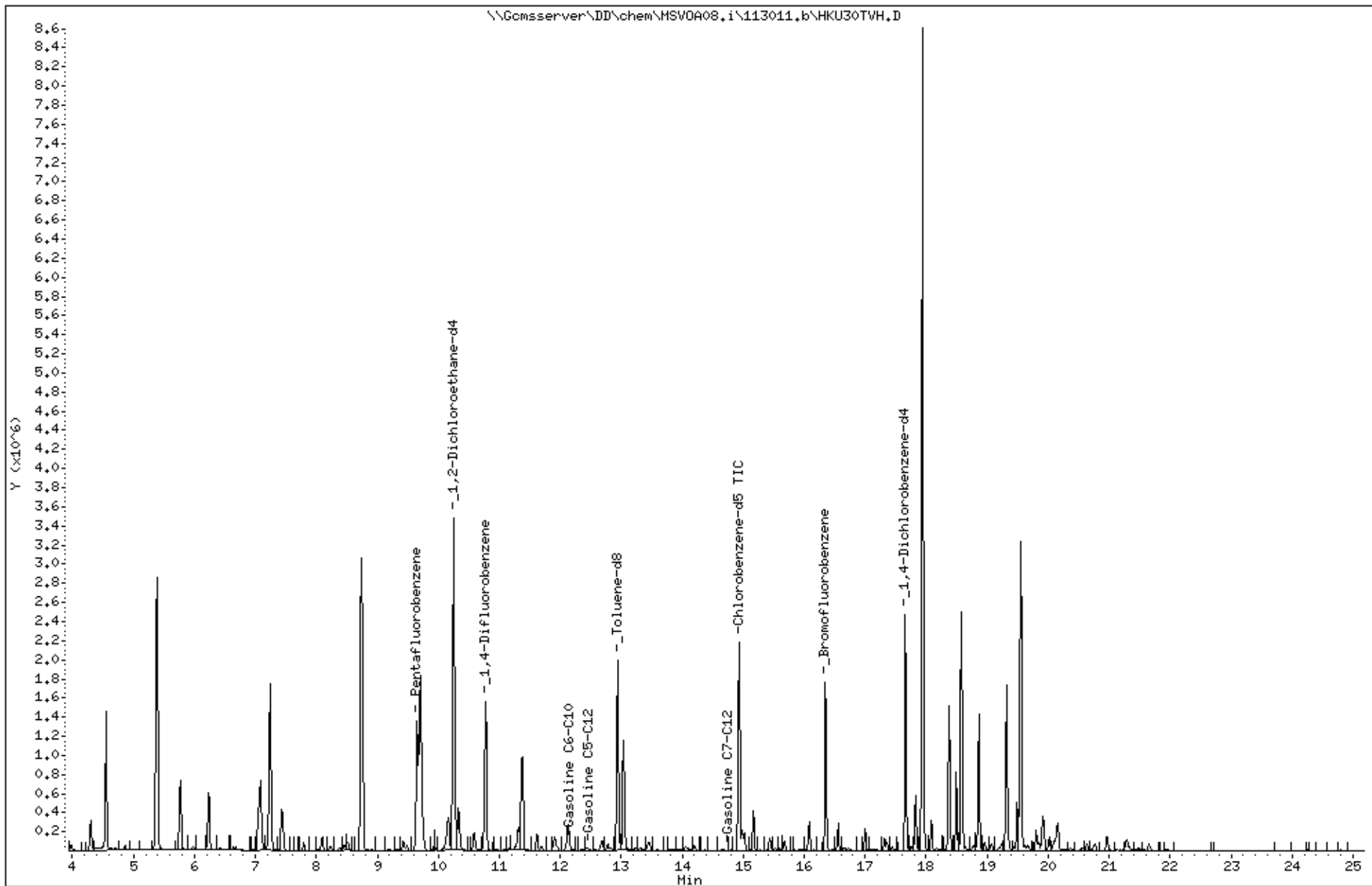
Sample Info: S,233010-001,181754,

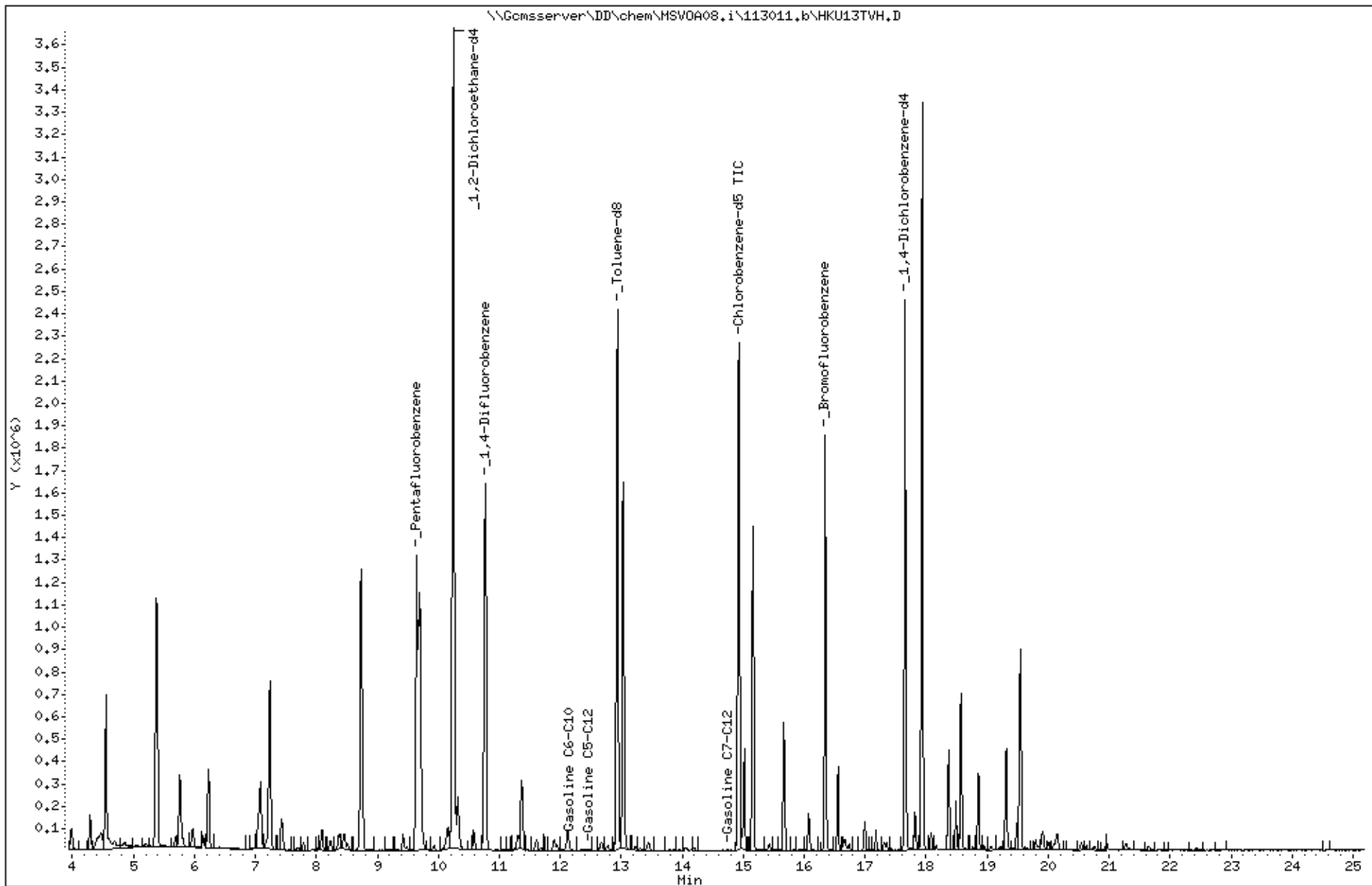
Instrument: MSV0A08.i

Operator: VOC

Column diameter: 2.00

Column phase:





Date : 30-NOV-2011 20:50

Client ID: DYNA P&T

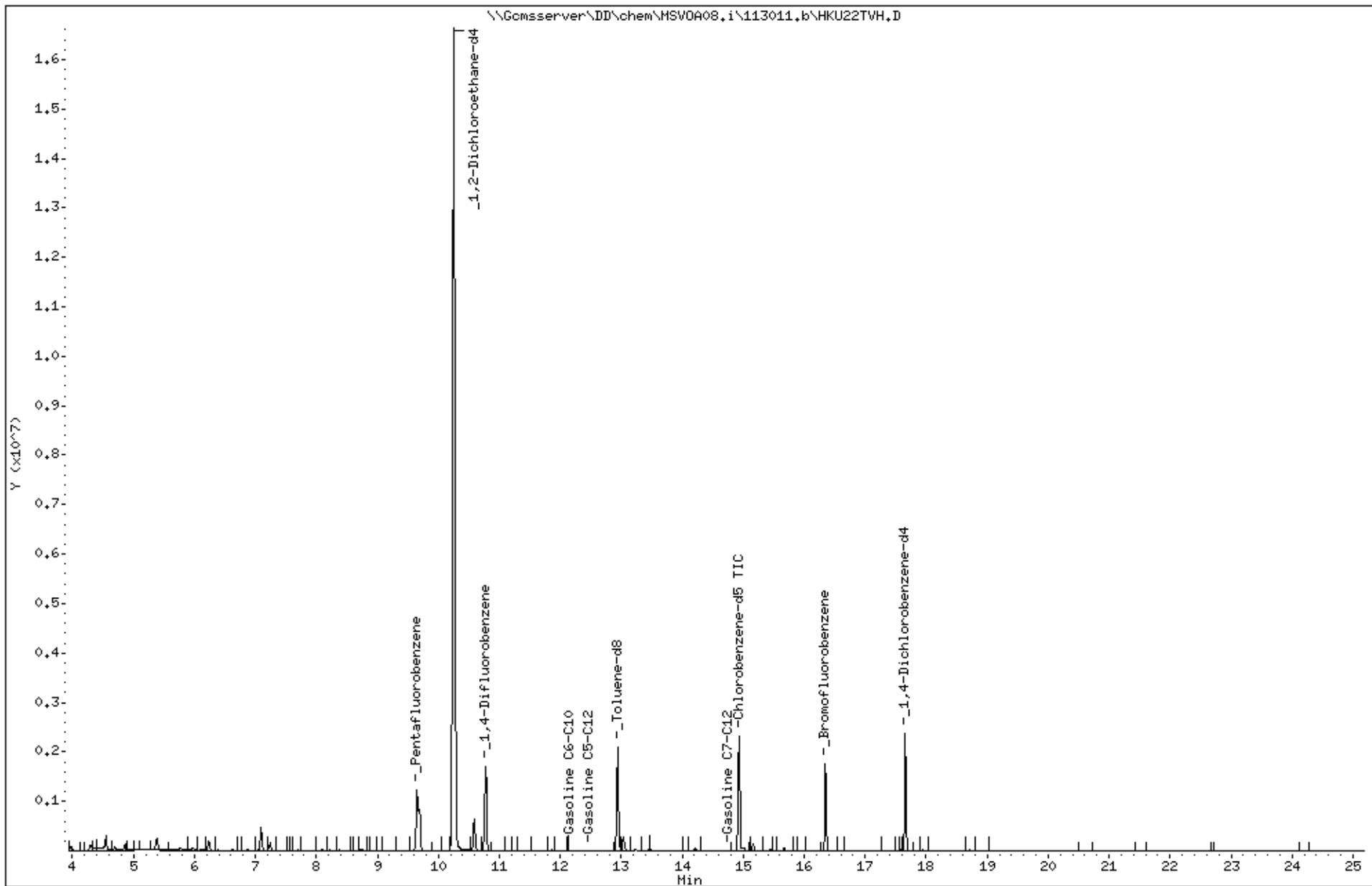
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Instrument: MSV0A08.i

Operator: VOC

Column diameter: 2.00

Column phase:



Date : 30-NOV-2011 21:27

Client ID: DYNA P&T

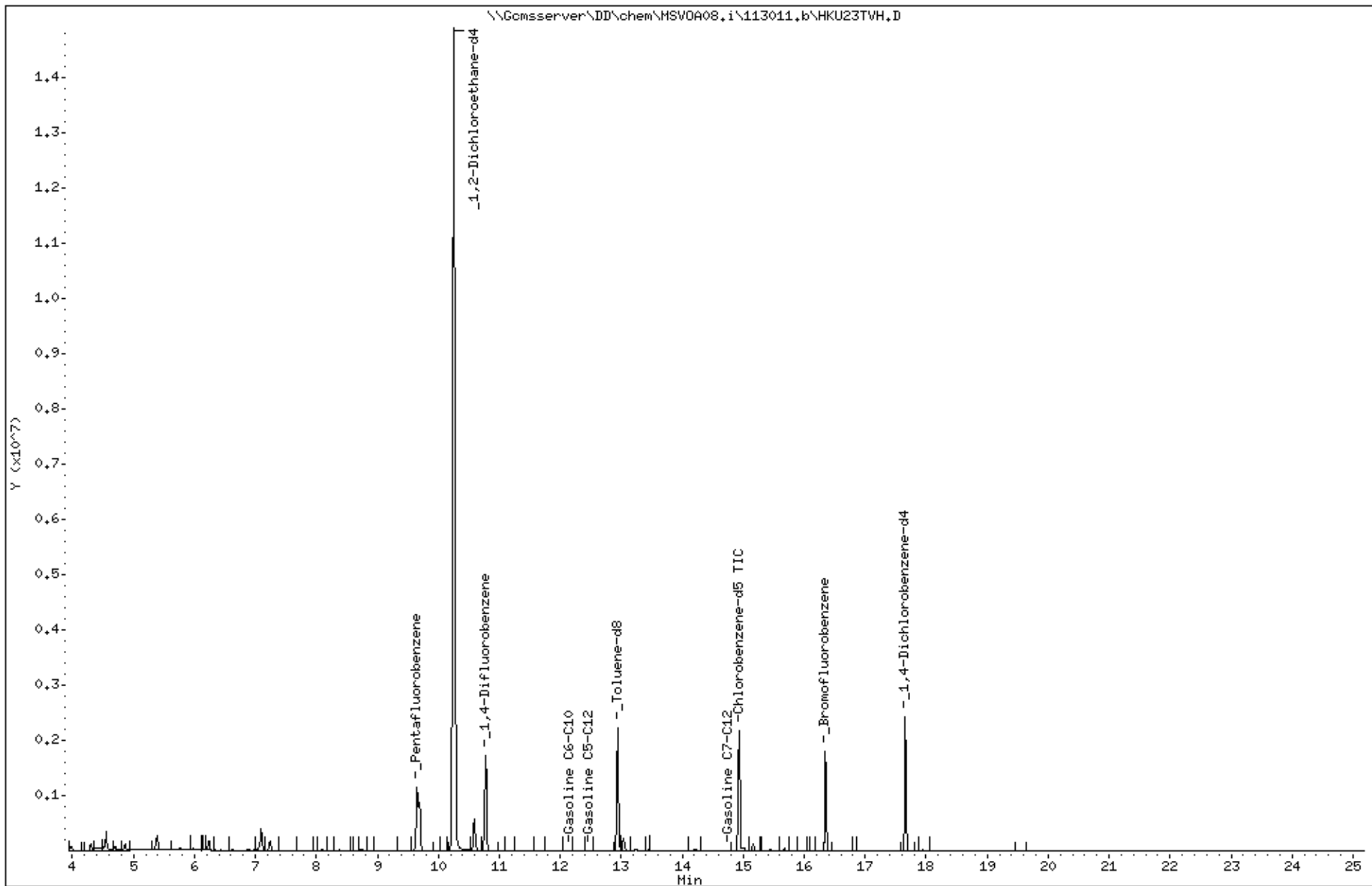
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Instrument: MSV0A08.i

Operator: VOC

Column diameter: 2.00

Column phase:



Date : 30-NOV-2011 11:03

Client ID: DYNA P&T

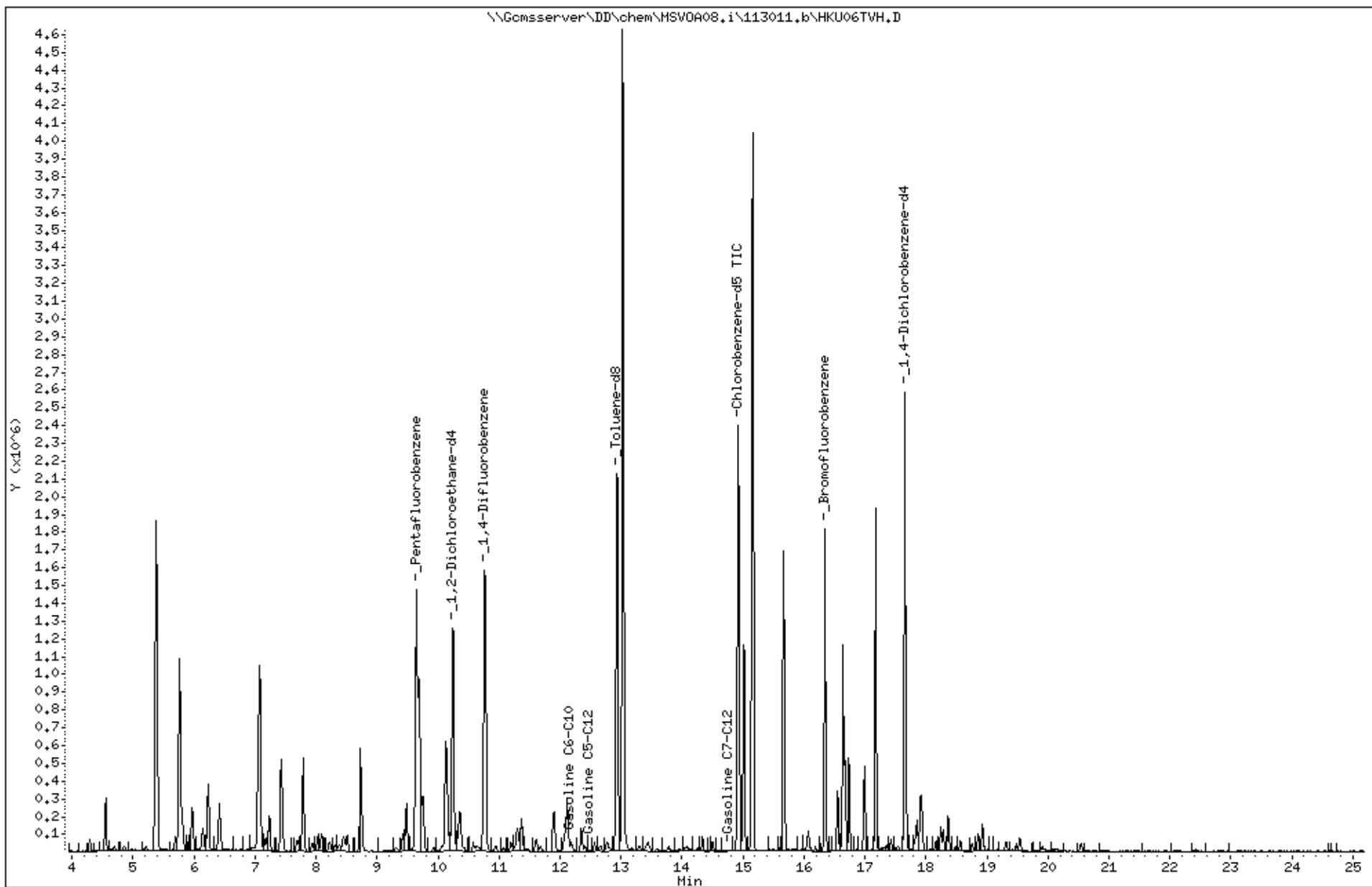
Sample Info: CCV/BS, QC620651, 181754, S18583, .01/100

Instrument: MSV0A08.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 Second Quarter 2011
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 Second Quarter 2011
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 |
| | 7-Oct-10 | PES | 6.10 | NA | < 0.0005 | 0.70 | 0.51 | 0.19 | 0.64 | NA | NA |
| | 26-May-11 | PES | 1.90 | NA | <0.002 | 0.22 | 0.0180 | 0.0082 | 0.0545 | <0.002 | <0.005 |
| 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 | |
| 7-Oct-10 | PES | 0.110 | NA | 0.0014 | 0.0042 | 0.0009 | 0.0008 | 0.0018 | NA | NA | |

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through Second Quarter 2011
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 Second Quarter 2011
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 Cont. | 17-Dec-98 | PES | <0.1 | NA | <0.01 | <0.001 | <0.001 | <0.001 | <0.001 | NA | NA |
| | 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 |
| | 7-Oct-10 | PES | 0.052 | NA | <0.0005 | 0.0015 | <0.0005 | <0.0005 | <0.0005 | NA | NA |
| | 26-May-11 | PES | 0.064*** | NA | <0.0005 | 0.0010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.005 |
| 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 Second Quarter 2011
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 | |
| 7-Oct-10 | PES | <0.05 | NA | <0.0005 | 0.0017 | 0.001 | 0.0009 | 0.0023 | NA | NA | |
| 26-May-11 | PES | <0.05 | NA | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.005 | |
| 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 Second Quarter 2011
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 | |
| 7-Oct-10 | PES | 2.900 | NA | <0.001 | 0.0015 | 0.0150 | <0.010 | 0.010 | NA | NA | |
| 26-May-11 | PES | <0.05 | NA | <0.0005 | 0.0006 | <0.0005 | <0.0005 | <0.0005 | 3.7 ¹ | <0.005 | |

Table 2. Summary of Historical Analytical Results for Groundwater Samples Through Second Quarter 2011
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 Second Quarter 2011
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 |
| | 7-Oct-10 | PES | 1.2 | NA | <0.0013 | 0.170 | 0.036 | 0.0065 | 0.0162 | NA | NA |
| | 26-May-11 | PES | 1.1 | NA | <0.001 | 0.110 | 0.0043 | 0.0016 | 0.0084 | <0.001 | <0.005 |

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

DISTRIBUTION

**GROUNDWATER MONITORING REPORT
FOURTH QUARTER 2011 SAMPLING EVENT
1650 65TH STREET
EMERYVILLE, CALIFORNIA
FUEL LEAK CASE NO. RO0000440
GEOTRACKER GLOBAL ID T0600100511**

JANUARY 19, 2012

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