Pacific Gas and Electric Company

Environmental Services
Site Remediation
3400 Crow Canyon Road
San Ramon, CA 94583

December 20, 2007

Mr. Jerry Wickham
Alameda County Environmental Health Department
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Subject: Transmittal of *Semiannual Groundwater Monitoring Report, November 2007 Sampling Event, Pacific Gas and Electric Company, Oakland General Construction Yard, 4930 Coliseum Way, Oakland, California*

Dear Mr. Wickham:

Attached is the *Semiannual Groundwater Monitoring Report, November 2007 Sampling Event, Pacific Gas and Electric Company, Oakland General Construction Yard, 4930 Coliseum Way, Oakland, California*, dated December 2007. PG&E has retained ENTRIX, Inc., and Geomatrix Consultants, Inc. to perform groundwater monitoring and other technical studies at the subject site. The attached report was prepared by Innovative Technical Solutions, Inc., with review by Geomatrix.

Should you have technical questions pertaining to this report, you may contact Jonathan Skaggs of Geomatrix at 510.663.4104. For any other questions or requests pertaining to the regulatory case at the subject site, please contact me at 925.866.5888.

Sincerely,

Robert Saur
Environmental Geologist

cc: Margarita Khavul, PG&E

SEMIANNUAL GROUNDWATER MONITORING REPORT

November 2007 Sampling Event

Pacific Gas and Electric Company
Oakland General Construction Yard
4930 Coliseum Way
Oakland, California

Prepared For:

Pacific Gas and Electric Company
3400 Crow Canyon Road
San Ramon, CA 94583

Prepared By:

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, CA 94598

December 2007

ITSI Project No: 07037.0018

ITSI Innovative Technical Solutions, Inc.

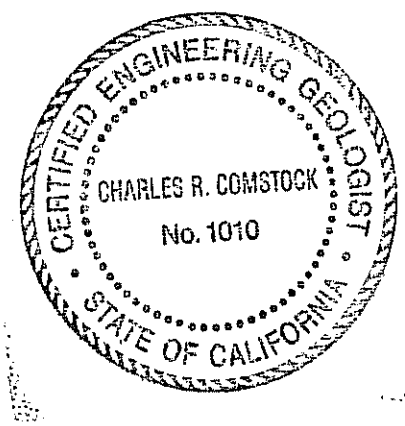
SEMIANNUAL GROUNDWATER MONITORING REPORT

November 2007 Sampling Event

Pacific Gas and Electric Company
Oakland General Construction Yard
4930 Coliseum Way
Oakland, California

This report was prepared by the staff of Innovative Technical Solutions, Inc., under the supervision of the Geologist(s) and/or Engineer(s) whose seal(s) and signature(s) appear hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.



Prepared By:

Charles Comstock, P.G., C.E.G.
Senior Geologist

Innovative Technical Solutions, Inc.
2730 Shadelands Drive, Suite 100
Walnut Creek, CA 94598

December 2007

ITSI Project No. 07037.0018

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ACRONYMS AND ABBREVIATIONS

ACHCSA	Alameda County Health Care Services Agency
AST	above-ground storage tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
EPA	U.S. Environmental Protection Agency
ITSI	Innovative Technical Solutions, Inc.
LC/LCSD	laboratory control/laboratory control duplicate
MCL	maximum contaminant level
mg/kg	milligrams per kilogram
µg/l	micrograms per liter
MS/MSD	matrix spike and matrix spike duplicate
msl	mean sea level
MTBE	methyl tertiary butyl ether
PG&E	Pacific Gas and Electric Company
RL	reporting limit
RPD	relative percent difference
TPH	total petroleum hydrocarbons
TPHd	total petroleum hydrocarbons quantified as diesel
TPHg	total petroleum hydrocarbons quantified as gasoline
TPHmo	total petroleum hydrocarbons quantified as motor oil
UST	underground storage tank
VOC(s)	volatile organic compound(s)

1.0 INTRODUCTION

This report presents the results of semiannual groundwater monitoring completed on November 6, 2007, at the Pacific Gas and Electric Company (PG&E) General Construction Yard located at 4930 Coliseum Way in Oakland, California (the site, Figure 1). The groundwater monitoring program includes the following activities: (1) measuring groundwater elevations; (2) collecting groundwater samples from monitoring wells on site; and (3) performing laboratory analyses of the samples. The program objective is to monitor the distribution of select fuel-related compounds, volatile organic compounds (VOCs), and dissolved lead in shallow groundwater beneath the site. The following sections summarize the site description, site background, groundwater monitoring activities, and analytical results of samples collected on November 6, 2007. Previous analytical results are summarized in Appendix A.

2.0 SITE DESCRIPTION

The site consists of approximately 4 acres and is operated as a storage yard for equipment and vehicles (Figure 2). The surrounding area is primarily commercial and light industrial. The site is bounded by Coliseum Way to the south, 50th Avenue to the southeast and commercial properties to the north (Figure 1).

3.0 SITE HISTORY

The following summarizes previous environmental activities associated with the site:

- **January 1988 -** Five underground storage tanks (USTs) and associated piping located in the northern and eastern portions of the site were removed (Figure 2). Four of the former USTs were located in a cluster in the northern portion of the site (former UST cluster). Two of these USTs reportedly contained heavy oil and two contained mineral spirits (PG&E, 1988). The fifth former UST was located near the west corner of the yard and reportedly contained diesel fuel.
- **April 1988 –** Installation of groundwater monitoring wells OW-1 through OW-4
- **May 1990 -** One natural gas, above ground storage tank (AST) was removed from the central portion of the site (Figure 2).
- **November and December 1991 -** Approximately 2,000 cubic yards of soil were excavated to a depth of approximately 8 to 8 ½ feet below ground surface (bgs) as a remedial action for the petroleum hydrocarbons identified in the soil in the vicinity of the

former UST cluster. Groundwater monitoring wells OW-6 and OW-7 were installed, and well OW-3 was abandoned. The concentrations of TPHd and oil and grease in the soil samples collected along the site boundaries during soil excavation activities were greater than soil cleanup target levels, while concentrations of TPHd and oil and grease in each of the remaining confirmatory samples were less than the cleanup target levels. Oil was visible in the soils in the northeast wall of the excavation along the property line, and a pipe that contained a similar petroleum product was also exposed in the northeastern wall of the excavation. The conclusions of the February 1992 *Site Remediation and Closure Report, Former Tank Cluster Area* prepared by Earth Technology Corporation suggested that off-site sources of petroleum hydrocarbons may exist in both the northeast and northwest directions (ETC, 1992).

- **December 1991** – Installation of groundwater monitoring wells OW-5 through OW-7.
- **September and October 1992** – An asphaltic concrete cap was constructed on lead-affected surface soil in the vicinity of the former natural gas AST. Lead, believed to have originated from lead-based paint chips generated from sandblasting of the former natural gas AST, was found in soil samples collected from this area.
- **February 1993** – Groundwater monitoring well OW-8 was installed in the southern area of the yard near the location of the former natural gas AST to monitor lead concentrations in the groundwater.
- **July 1994** – Groundwater sampling frequency reduced from quarterly to a semiannual basis.

4.0 GROUNDWATER MONITORING ACTIVITIES

Blaine Tech Services, Inc. performed the groundwater monitoring event on November 6, 2007. Groundwater sampling was performed using low-flow purging and sampling methods in accordance with the Low-Flow Purging and Sampling Protocol (Appendix B). Depth to groundwater measurements were collected from OW-1, OW-2, OW-4, OW-5, OW-6, OW-7, and OW-8, and were recorded in the Groundwater Purging and Sampling Logs (Appendix C). The groundwater elevation measurements were used to prepare a groundwater elevation map to determine the direction and magnitude of the groundwater gradient. Purge water generated during the groundwater monitoring activities was temporarily stored on site in 55-gallon steel drums pending disposal.

Groundwater samples were collected from OW-1, OW-2, OW-4, OW-5, OW-6, OW-7, and OW-8 in laboratory supplied containers. The samples were shipped on ice to Creek Environmental Laboratories, Inc., of San Luis Obispo, California, a State of California certified laboratory, for

analysis under chain-of-custody protocol. Samples from the monitoring wells were analyzed for the following:

- Total petroleum hydrocarbons quantified as gasoline (TPHg), TPH quantified as diesel (TPHd), and TPH quantified as motor oil (TPHmo) using U. S. Environmental Protection Agency (EPA) Method 8015B;
- Total petroleum hydrocarbons quantified as diesel (TPHd), and TPH quantified as motor oil (TPHmo) using U. S. Environmental Protection Agency (EPA) Method 8015B with the silca gel cleanup method;
- Dissolved lead using EPA Method 6010B; and
- VOCs using EPA Method 8260B.

Appendix D includes the laboratory analytical reports and chain-of-custody documentation.

All analyses were performed within the holding times specified by the EPA, except as noted in the laboratory case narrative. (The samples collected from wells OW-5, OW-6, and OW-7 and for the field blank exceeded hold times by one day for VOC analysis due to lab equipment malfunction.) None of the tested analytes were detected in the field blank or laboratory reagent blank. The surrogate recoveries were within the laboratory acceptance limits. Recoveries of matrix spike/matrix spike duplicate (MS/MSD) were within the laboratory acceptance limits. The relative percent differences (RPD) were within the laboratory acceptance limits.

5.0 GROUNDWATER MONITORING RESULTS

Groundwater level measurements collected during the November 6, 2007, monitoring event indicate that depth to water ranged from 3.46 to 6.67 feet below the top of casing. Based on these groundwater level measurements, the predominant groundwater flow direction was towards the south with an approximate hydraulic gradient of 0.003 ft/ft. Table 1 summarizes the depth to water measurements and groundwater elevation data. Figure 3 shows the groundwater elevation map.

Laboratory analytical results for the groundwater samples collected from the seven monitoring wells sampled during the November 6, 2007, monitoring event indicate the following:

- TPHg was detected in samples collected from three wells (OW-1, OW-5 and OW-7) sampled at the site. TPHg concentrations ranged from 50 to 250 µg/l. The highest concentration of 250 µg/l was found in OW-7, located in the northern portion of the property.
- TPHd was detected in samples collected from the seven wells sampled at the Site; however, after silica cleanup was performed, TPHd was not detected in any samples collected. TPHd concentrations in samples without silica gel cleanup ranged from 140 µg/l to 400 µg/l.
- TPHmo was detected in sanples collected from the five wells sampled at the Site; however, after silica cleanup was performed, TPHmo was not detected in any samples collected. TPHmo concentrations in samples without silica gel cleanup ranged from 100 µg/l to 500 µg/l.
- Dissolved lead was not detected above the laboratory method reporting limit of 8 µg/l.
- With the exception of a benzene detection of 6.8 µg/l at OW-5; benzene, toluene, ethylbenzene, and xylenes (BTEX) and MTBE were not detected above the laboratory method reporting limit in the samples collected from the site.
- VOCs were detected in samples collected from OW-1, OW-5, OW-6, and OW-7. The highest concentrations of VOCs were found in the sample collected from well OW-7, located in the northeastern (upgradient) portion of the property.

Table 2 summarizes the laboratory analytical results. Figure 4 presents the results of the November 6, 2007, sampling event.

6.0 CONCLUSIONS

The direction of groundwater flow is generally consistent with the results of previous monitoring events, however groundwater elevations are generally lower and gradient magnitude is considerably less. Overall, the analytical results of the November 6, 2007, groundwater monitoring event are consistent with the results of previous groundwater monitoring events.

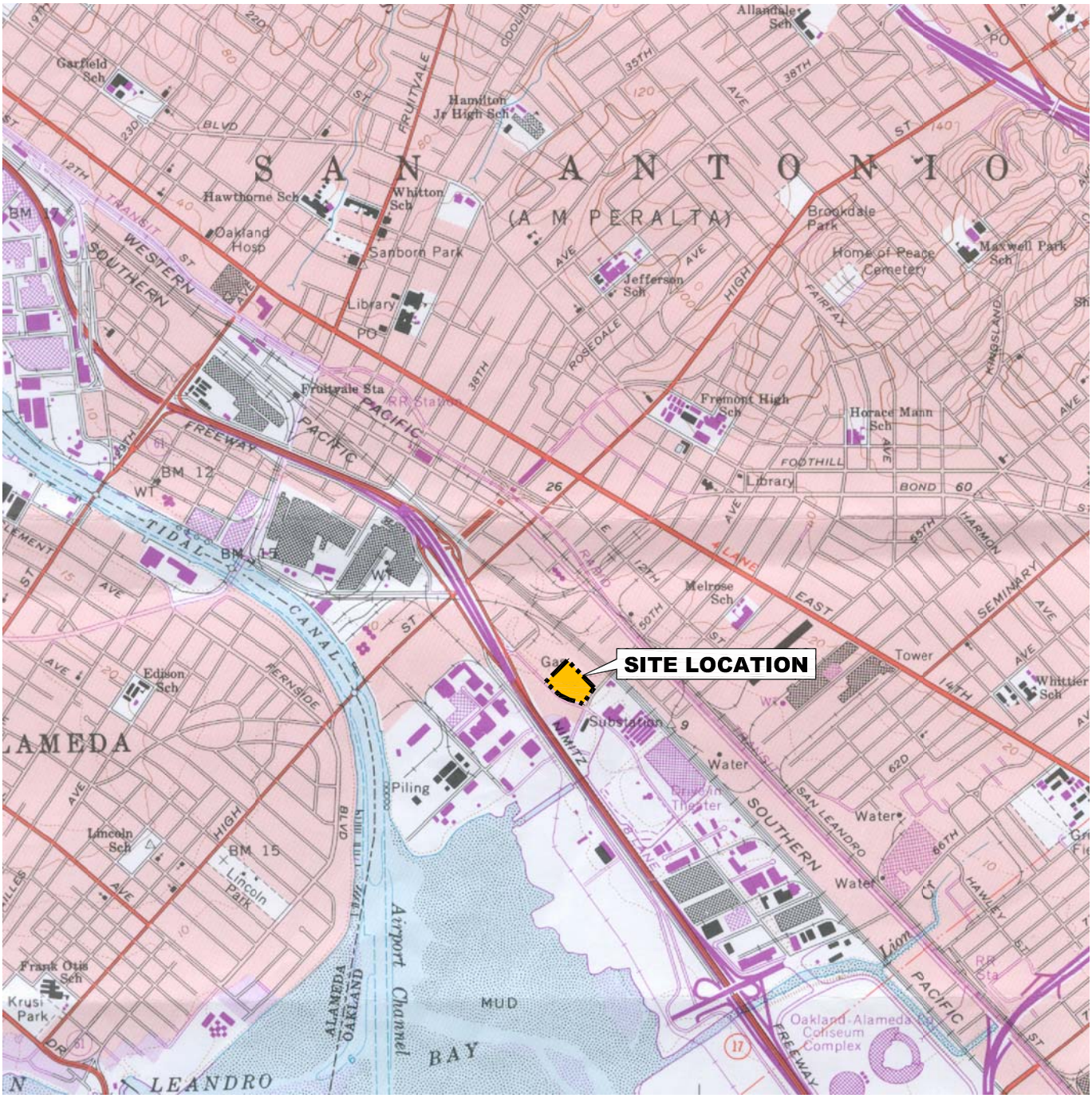
7.0 REFERENCES

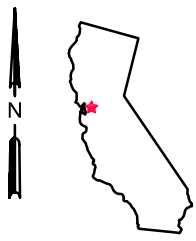
CSS Environmental Services, Inc., 2005, Semi-Annual Groundwater Monitoring Report, Pacific Gas and Electric General Construction Yard, 4930 Coliseum Way, Oakland, California, September 2.

Earth Technology Corporation (ETC), 1992, Site Remediation and Closure Report Former Tank Cluster Area, Pacific Gas and Electric General Construction Yard, 4930 Coliseum Way, Oakland, California, February.

Pacific Gas and Electric Company (PG&E), 1988, Underground Tanks Investigation, PG&E General Construction Yard, 4930 Coliseum Way, Oakland, California, July.

FIGURES





1 1/2 0 1

SCALE IN MILE

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE IN FEET

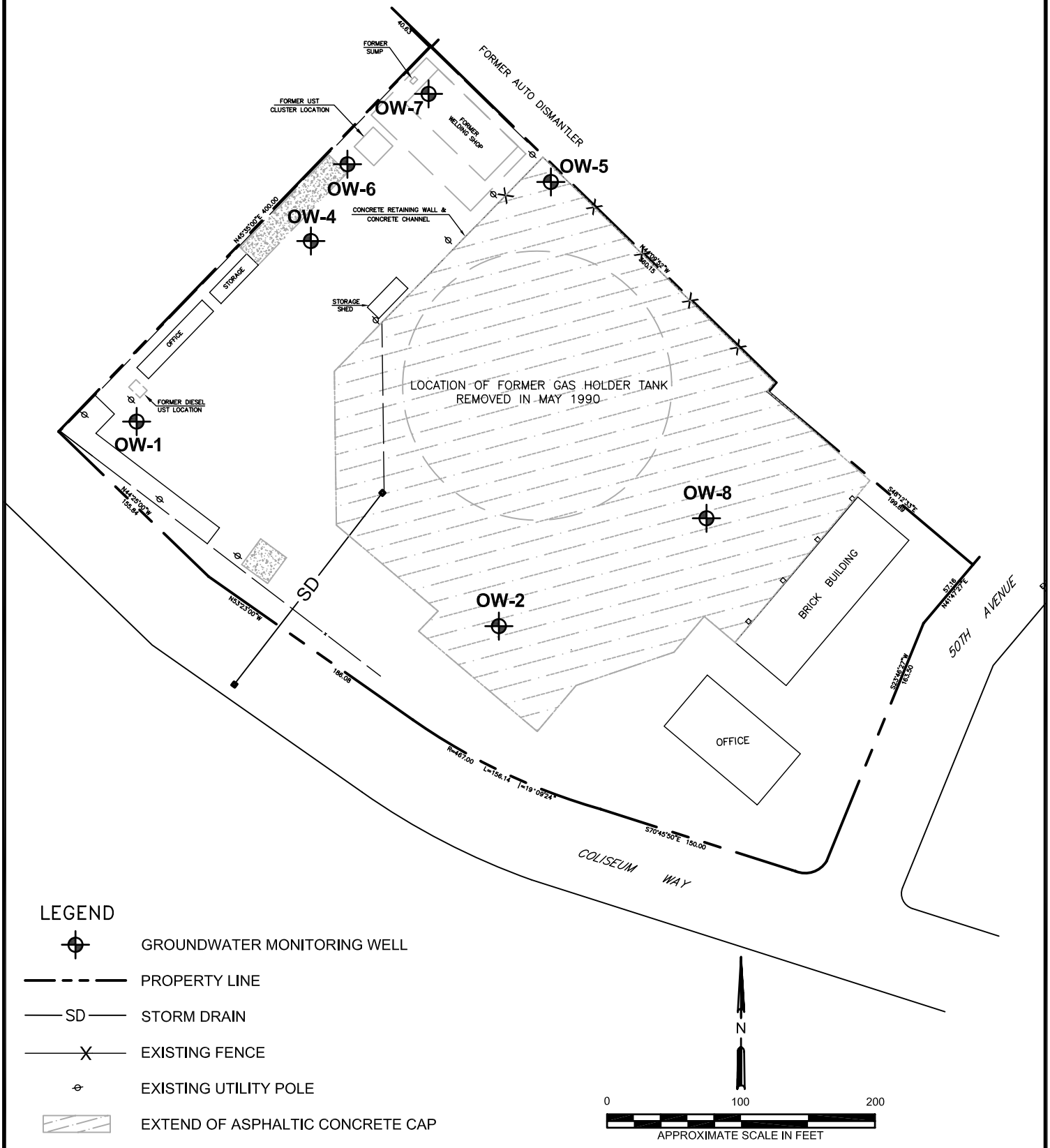
REFERENCE: USGS 7.5 MINUTE QUADRANGLE;
OAKLAND EAST, CALIFORNIA
PHOTOREVISED 1981

ITSI Innovative Technical Solutions, Inc.

Pacific Gas and Electric
Oakland General Construction Yard
Oakland, California

FIGURE 1
Site Vicinity Maps

FILENAME: P:\07037 PG&E_Entrix\07037.0018 PG&E Oakland SC UST Program\10.0 CADD\400_CADD Current Drawings\07037.0018 OKLND SC Figure 1.dwg



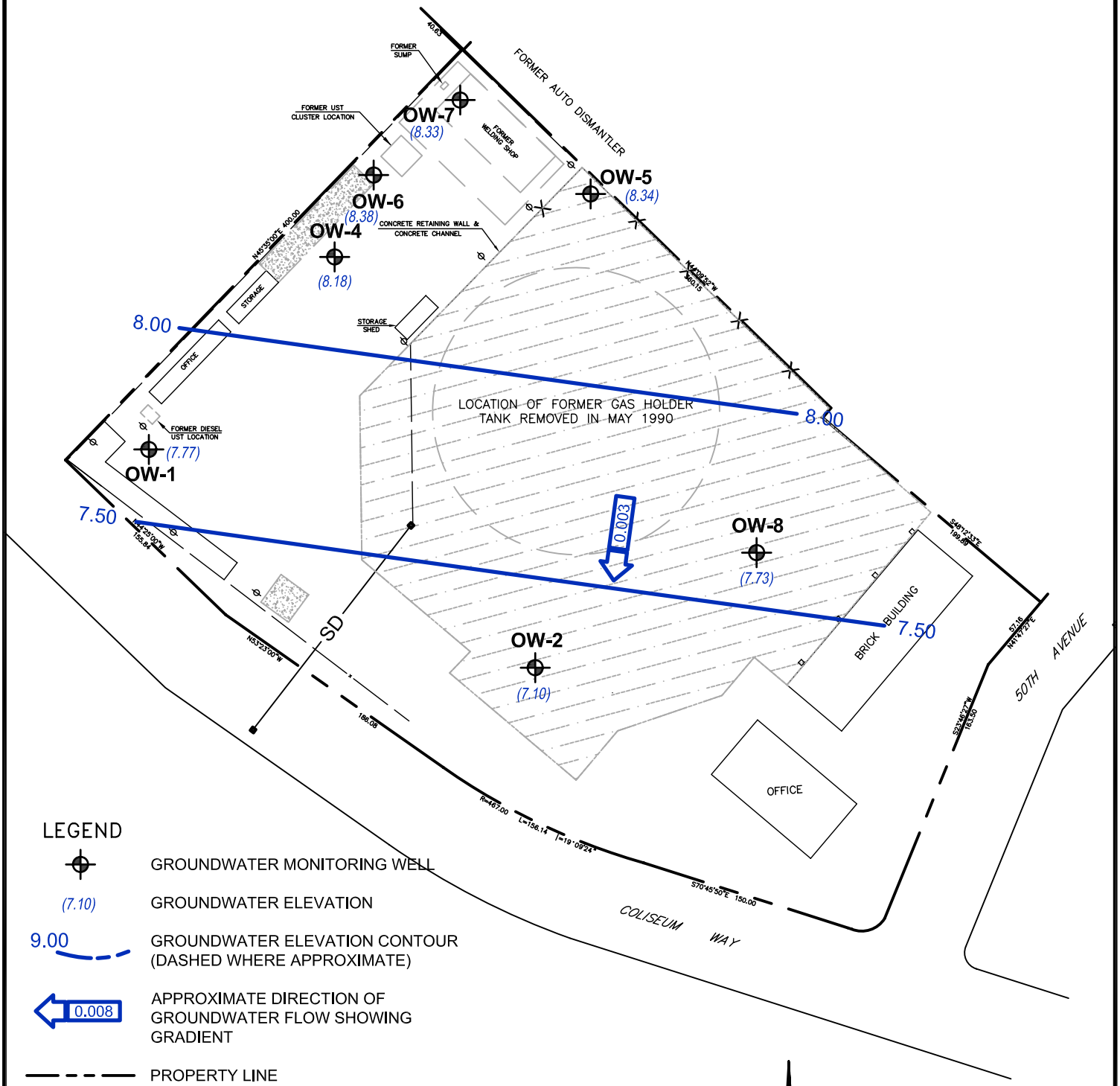
REFERENCE: BASE MAP BY CSS ENVIROMENTAL SERVICES, INC.
FIGURE 4.1 BY ES DATED 08/2005
JOB #6118; 01/1999

Innovative Technical Solutions, Inc.

Pacific Gas and Electric
Oakland General Construction Yard
Oakland, California

FIGURE 2
Site Plan

FILENAME: P:\07037 PG&E_Entrix\07037.0018 PGE-14 Oakland SC UST Program\10.0 CADD\400_CADD Current Drawings\07037.0018 OKLND SC Figure 2-3-4.dwg



LEGEND

- GROUNDWATER MONITORING WELL
- (7.10) GROUNDWATER ELEVATION
- 9.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
- 0.008 APPROXIMATE DIRECTION OF GROUNDWATER FLOW SHOWING GRADIENT
- PROPERTY LINE
- SD STORM DRAIN
- EXISTING FENCE
- EXISTING UTILITY POLE
- EXTEND OF ASPHALTIC CONCRETE CAP

N

0 100 200

APPROXIMATE SCALE IN FEET

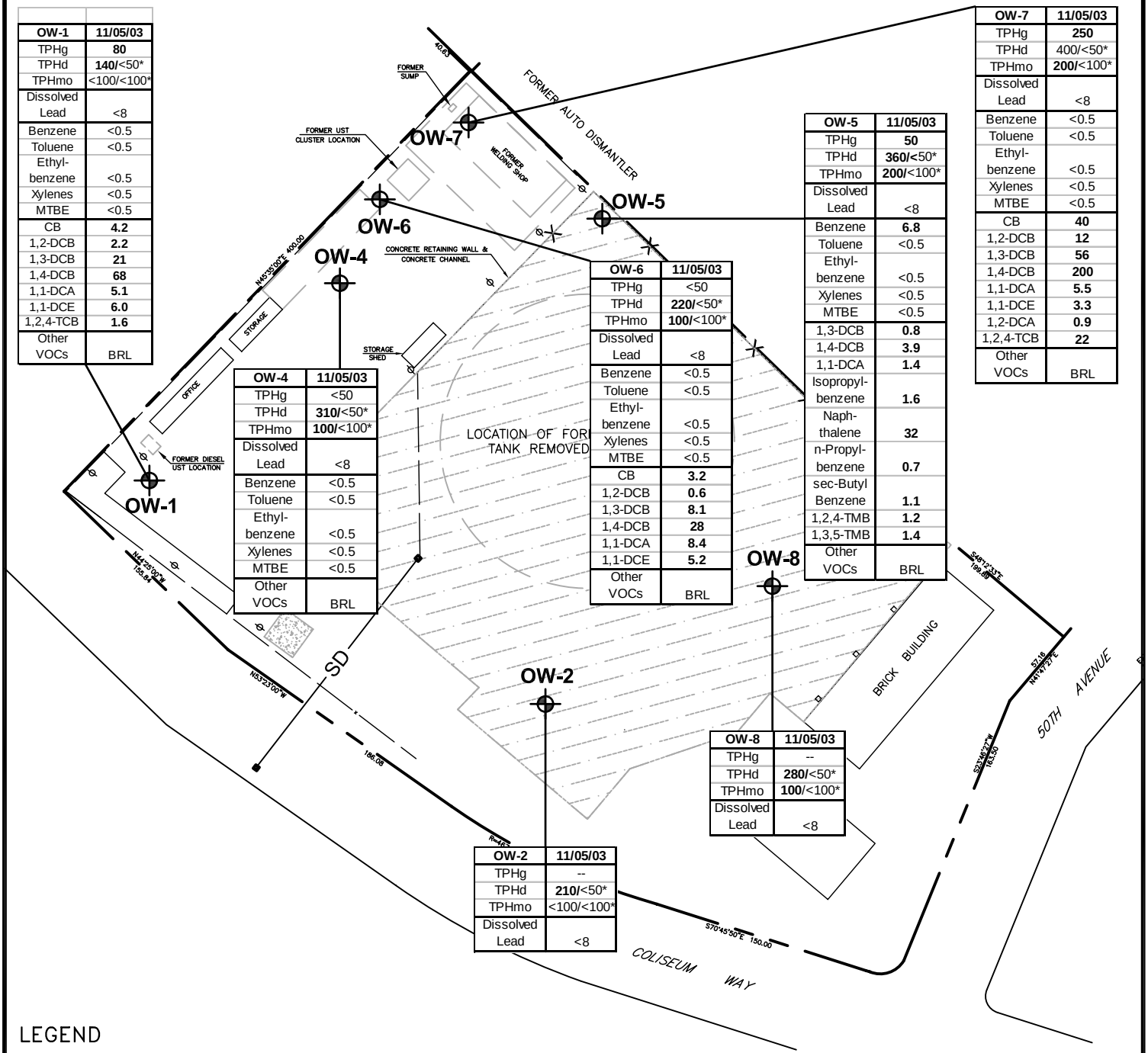
REFERENCE: BASE MAP BY CSS ENVIROMENTAL SERVICES, INC.
FIGURE 4.1 BY ES DATED 08/2005
JOB #6118; 01/1999

Innovative Technical Solutions, Inc.

Pacific Gas and Electric
Oakland General Construction Yard
Oakland, California

FIGURE 3
Groundwater Elevation Contours
(November 6, 2007)

FILENAME: C:_FUPE\100_PROJ\ITSI\07037 PG&E\07037.0018 PGE-14 Oakland SC UST Program\10.0 CADD\400_CADD Current Drawings\07037.0018 OKLND SC Figure 2-3-4.dwg



OW-1	11/05/03
TPHg	**80**
TPHd	**140/**<50*
TPHmo	<100/<100*
Dissolved Lead	<8
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
CB	**4.2**
1,2-DCB	**2.2**
1,3-DCB	**21**
1,4-DCB	**68**
1,1-DCA	**5.1**
1,1-DCE	**6.0**
1,2,4-TCB	**1.6**
Other VOCs	BRL

OW-4	11/05/03
TPHg	<50
TPHd	**310/**<50*
TPHmo	**100/**<100*
Dissolved Lead	<8
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
Other VOCs	BRL

OW-6	11/05/03
TPHg	<50
TPHd	**220/**<50*
TPHmo	**100/**<100*
Dissolved Lead	<8
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
CB	**3.2**
1,2-DCB	**0.6**
1,3-DCB	**8.1**
1,4-DCB	**28**
1,1-DCA	**8.4**
1,1-DCE	**5.2**
Other VOCs	BRL

OW-5	11/05/03
TPHg	**50**
TPHd	**360/**<50*
TPHmo	**200/**<100*
Dissolved Lead	<8
Benzene	**6.8**
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
1,3-DCB	**0.8**
1,4-DCB	**3.9**
1,1-DCA	**1.4**
Isopropyl-benzene	**1.6**
Naph-thalene	**32**
n-Propyl-benzene	**0.7**
sec-Butyl Benzene	**1.1**
1,2,4-TMB	**1.2**
1,3,5-TMB	**1.4**
Other VOCs	BRL

OW-7	11/05/03
TPHg	**250**
TPHd	400/<50*
TPHmo	**200/**<100*
Dissolved Lead	<8
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
CB	**40**
1,2-DCB	**12**
1,3-DCB	**56**
1,4-DCB	**200**
1,1-DCA	**5.5**
1,1-DCE	**3.3**
1,2-DCA	**0.9**
1,2,4-TCB	**22**
Other VOCs	BRL

OW-8	11/05/03
TPHg	--
TPHd	**280/**<50*
TPHmo	**100/**<100*
Dissolved Lead	<8

OW-2	11/05/03
TPHg	--
TPHd	**210/**<50*
TPHmo	<100/<100*
Dissolved Lead	<8

LEGEND

- OW-1 — MONITORING WELL
- PROPERTY LINE
- SD — STORM DRAIN
- EXISTING CHAIN LINK FENCE
- EXISTING UTILITY POLE
- EXTENT OF ASPHALTIC CONCRETE CAP
- * — SILICON GEL CLEANUP METHOD RESULT

TPHg	Total petroleum hydrocarbons as gasoline
TPHd	Total petroleum hydrocarbons as diesel
CB	Chlorobenzene
DCB	Dichlorobenzene
DCA	Dichloroethane
DCE	Dichloroethene
MTBE	Methyl tert-butyl ether
TCB	Trichlorobenzene
TMB	Trimethylbenzene
VOCs	Volatile organic compounds
BRL	Below laboratory reporting limits

N

0 100 200

APPROXIMATE SCALE IN FEET

REFERENCE: BASE MAP BY CSS ENVIROMENTAL SERVICES, INC.
FIGURE 4.1 BY ES DATED 08/2005
JOB #6118; 01/1999

ALL RESULTS REPORTED IN MICROGRAMS/LITER (µg/l)

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Pacific Gas and Electric
Oakland General Construction Yard
Oakland, California

FIGURE 4
Groundwater Analytical Results
(November 6, 2007)

FILENAME: P:\07037 PG&E_Entrix\07037.0018 PGE-14 Oakland SC UST Program\10.0 CADD\400_CADD Current Drawings\07037.0018 OKLND SC Figure 2-3-4.dwg

TABLES

TABLE 1
Summary of Groundwater Elevation Data

Pacific Gas and Electric Company
Oakland General Construction Yard
4930 Coliseum Way, Oakland, CA

Well Number	Sample Date	TOC Elevation (feet MSL)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet above MSL)
OW-1	11/6/2007	11.82	4.05	7.77
OW-2	11/6/2007	11.24	4.14	7.10
OW-4	11/6/2007	12.82	4.64	8.18
OW-5	11/6/2007	13.24	4.90	8.34
OW-6	11/6/2007	13.61	5.23	8.38
OW-7	11/6/2007	15.00	6.67	8.33
OW-8	11/6/2007	11.19	3.46	7.73

Notes:

TOC = top of casing
MSL = Mean Sea Level
bgs = below ground surface
NM = Not measured. Well was not found/un-accessible due to storage container.
TOC elevation data were referenced from Figure 4.2-Historical Groundwater Elevations, (Semi-Annual Groundwater Monitoring Report, September 2, 2005, CSS Environmental Services, Inc.).

Table 2 Summary of Groundwater Analytical Results (November 6, 2007)
Pacific Gas and Electric Oakland General Construction Yard
Oakland, California

		Total Petroleum Hydrocarbons Method 8015M			Dissolved Lead Method 6010B	Volatile Organic Compounds-Method 8260B																	
Sample Name	**Sample Date**	**TPHg µg/L**	**TPHd µg/L**	**TPHmo µg/L**	**µg/L**	**Benzene µg/L**	**Toluene µg/L**	**Ethyl-benzene µg/L**	**Xylenes µg/L**	**Isopropyl-benzene µg/L**	**Naph-thalene µg/L**	**MTBE µg/L**	**1,2,3-TCB µg/L**	**1,2,4-TCB µg/L**	**1,3,5-TMB µg/L**	**1,2-DCA µg/L**	**1,2-DCB µg/L**	**1,3-DCB µg/L**	**1,4-DCB µg/L**	**CB µg/L**	**1,1,1-TCA µg/L**	**1,1-DCA µg/L**	**1,1-DCE µg/L**	**VC µg/L**	**Other VOCs µg/L**
OW-1	11/06/07	**80**	**140/**<50*	<100/<100*	<8	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	**1.6**	<0.5	<0.5	**2.2**	**21**	**68**	**4.2**	<0.5	**5.1**	**6.0**	<0.5	ND
OW-2	11/06/07	--	**210/**<50*	<100/<100*	<8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-4	11/06/07	<50	**310/**<50*	**100/**<100*	<8	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
OW-5	11/06/07	**50**	**360/**<50*	**200/**<100*	<8	**6.8**	<0.5	<0.5	<0.5	**1.6**	**32**	<0.5	<0.5	**1.2**	**1.4**	<0.5	<0.5	**0.8**	**3.9**	<0.5	<0.5	**1.4**	<0.5	<0.5	(1)
OW-6	11/06/07	<50	**220/**<50*	**100/**<100*	<8	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	**8.1**	**28**	**3.2**	<0.5	**8.4**	**5.2**	<0.5	ND
OW-7	11/06/07	**250**	**400/**<50*	**200/**<100*	<8	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	**22**	<0.5	**0.9**	**12**	**56**	**200**	**40**	<0.5	**5.5**	**3.3**	<0.5	ND
OW-8	11/06/07	--	**280/**<50*	**100/**<100*	<8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	11/06/07	--	--	--	<8	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND

Notes:

(1) =Sec-butyl Benzene detected at 1.1 µg/L and n-Propylbenzene detected at 0.7 µg/L
µg/L = Micrograms per liter.
< = Not detected at or above the practical quantitation limit.
-- = Not analyzed
ND = Not detected above laboratory reporting limits. See laboratory analytical report for individual reporting limits (Appendix C).
J = Estimated result. Result is less than the laboratory practical quantitation limit.
MTBE = Methyl tertiary-butyl ether
CB = Chlorobenzene
1,2-DCB = 1,2-Dichlorobenzene
1,3-DCB = 1,3-Dichlorobenzene
1,4-DCB = 1,4-Dichlorobenzene
1,2-DCA = 1,2-Dichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
1,2,3-TCB = 1,2,3-Trichlorobenzene
1,2,4-TCB = 1,2,4-Trichlorobenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
VC = Vinyl Chloride
* = TPHd/TPHmo analyzed using silica gel cleanup

APPENDIX A

Historical Groundwater Analytical Results

Table A1 Summary of Historical Groundwater Analytical Results for TPH, Dissolved Lead, and PAHs December 2005 to Present
Pacific Gas and Electric Oakland General Construction Yard
Oakland, California

		Total Petroleum Hydrocarbons Method 8015M			Dissolved Lead Method 6010B	Polynuclear Aromatic Hydrocarbons-Method 8270C - SIM									
Sample Name	Sample Date	TPHg µg/l	TPHd µg/l	TPHmo µg/l	µg/l	2-Methyl Naph-thalene µg/L	Acenap-thene µg/L	Acenap-thylene µg/L	Anthra-cene µg/L	Fluoran-thene µg/L	Fluorene µg/L	Naph-thalene µg/L	Phenan-threne µg/L	Pyrene µg/L	Other PAHs µg/L
OW-1	12/20/05	53 [1]	390 [2]	470J	--	--	--	--	--	--	--	--	--	--	--
OW-1	12/20/06	<50	200	--	--	--	--	--	--	--	--	--	--	--	--
OW-1	04/12/07	<50	110	200	<4	--	--	--	--	--	--	--	--	--	--
OW-1	11/06/07	**80**	**140**/<50*	<100/<100*	<8	--	--	--	--	--	--	--	--	--	--
OW-2	12/20/05	<20	200 [2]	610	<3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	ND
OW-2	12/20/06	--	--	--	<20	--	--	--	--	--	--	--	--	--	--
OW-2	04/12/07	<50	120	300	<4	--	--	--	--	--	--	--	--	--	--
OW-2	11/06/07	--	**210**/<50*	<100/<100*	<8	--	--	--	--	--	--	--	--	--	--
OW-4	11/06/07	<50	**310**/<50*	**100**/<100*	<8	--	--	--	--	--	--	--	--	--	--
OW-5	12/20/05	33 [3]	300 [2]	610	<3	**0.96**	**0.31**	**0.26**	**0.24**	**0.70**	**0.67**	**13**	**0.13J**	**1.4**	ND
OW-5	12/20/06	90	300	--	<20	--	--	--	--	--	--	--	--	--	--
OW-5	04/12/07	<50	180	500	<4	--	--	--	--	--	--	--	--	--	--
OW-5	11/06/07	**50**	**360**/<50*	**200**/<100*	<8	--	--	--	--	--	--	--	--	--	--
OW-6	12/20/05	<20	440 [2]	760	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	ND
OW-6	12/20/06	<50	<100	--	--	--	--	--	--	--	--	--	--	--	--
OW-6	04/12/07	<50	160	400	<4	--	--	--	--	--	--	--	--	--	--
OW-6	11/06/07	<50	**220**/<50*	**100**/<100*	<8	--	--	--	--	--	--	--	--	--	--
OW-7	12/20/05	330 [1]	510 [2,4]	860	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	ND
OW-7	12/20/06	<50	400	--	--	--	--	--	--	--	--	--	--	--	--
OW-7	04/12/07	<50	210	400	<4	--	--	--	--	--	--	--	--	--	--
OW-7	11/06/07	**250**	**400**/<50*	**200**/<100*	<8	--	--	--	--	--	--	--	--	--	--
OW-8	12/20/05	<20	250 [2]	690	<3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	ND
OW-8	12/20/06	--	--	--	<20	--	--	--	--	--	--	--	--	--	--
OW-8	04/12/07	<50	150	400	<4	--	--	--	--	--	--	--	--	--	--
OW-8	11/06/07	--	**280**/<50*	**100**/<100*	<8	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	12/20/05	<20	<50	<500	<3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	ND
FIELD BLANK	12/20/06	--	--	--	<20	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	04/12/07	--	--	--	<4	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	11/06/07	--	--	--	<8	--	--	--	--	--	--	--	--	--	--

Notes:

OW-4 could not be sampled because a shipping container is located on the well.

TPH = Total petroleum hydrocarbons
TPHg = Total petroleum hydrocarbons quantified as gasoline
TPHd = Total petroleum hydrocarbons quantified as diesel
TPHmo = Total petroleum hydrocarbons quantified as motor oil
PAH = Polynuclear aromatic hydrocarbons
µg/l = Micrograms per liter.
< = Not detected at or above the practical quantitation limit.
-- = Not analyzed
ND = Not detected
J = Estimated result. Result is less than the practical quantitation limit.
(1) = The laboratory notes that the chromatogram is mainly a dominant peak(s) which is not indicative of petroleum hydrocarbons.
(2) = The laboratory notes that the chromatogram is mainly higher boiling hydrocarbons such as asphaltene, waste oil, motor oil, weathered diesel, and hydraulic fluid.
(3) = The laboratory notes that the chromatogram includes higher boiling hydrocarbons such as diesel
(4) = The laboratory notes that the chromatogram contains a recognizable contaminant peak(s) that has been removed from quantitation.

Table A2 Summary of Historical Groundwater Analytical Results for VOCs December 2005 to Present
Pacific Gas and Electric Oakland General Construction Yard
Oakland, California

		Volatile Organic Compounds-Method 8260B																				
Sample Name	Sample Date	Benzene µg/l	Toluene µg/l	Ethyl-benzene µg/l	Xylenes µg/l	1,2,4-TMB µg/l	1,3,5-TMB µg/l	4-Isopropyl-benzene µg/l	Naph-thalene µg/l	MTBE µg/l	1,2,3-TCB µg/l	1,2,4-TCB µg/l	1,2-DCB µg/l	1,3-DCB µg/l	1,4-DCB µg/l	CB µg/l	1,1,1-TCA µg/l	TCE µg/l	1,1-DCA µg/l	1,1-DCE µg/l	VC µg/l	Other VOCs µg/l
OW-1	12/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	0.96	<0.5	<0.5	**4.6**	**37**	**110**	**8.8**	**0.66**	<0.5	**7.6**	**8.3**	<0.5	ND
OW-1	12/20/06	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-1	04/12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	1.0	<0.5	1.6	1.8	19	64	4.6	0.8	<0.5	10	11	<0.5	ND
OW-1	11/06/07	<0.5	<0.5	<0.5	<0.5	**1.6**	<0.5	<0.5	<0.5	<5	1.0	<0.5	**1.6**	**2.2**	**21**	**68**	**4.2**	<0.5	<0.5	**5.1**	**6.0**	<0.5
OW-2	12/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	ND
OW-2	12/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-2	04/12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
OW-2	11/06/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-4	11/06/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
OW-5	12/20/05	4.4	<0.5	<0.5	0.56	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	1.0	3.9	0.63	<0.5	0.33J	2.2	0.49J	0.6	ND
OW-5	12/20/06	0.7	<0.5	<0.5	<0.5	3.2	1.9	0.8	50	<0.5	<0.5	<0.5	<0.5	1.0	4.3	<0.5	<0.5	<0.5	2.2	0.6	<0.5	ND
OW-5	04/12/07	4.7	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	5.3	<0.5	<0.5	<0.5	<0.5	0.8	5.0	<0.5	<0.5	<0.5	1.6	0.6	<0.5	ND
OW-5	11/06/07	**6.8**	<0.5	<0.5	<0.5	**1.2**	**1.4**	<0.5	**1.6**	**32**	<0.5	<0.5	<0.5	<0.5	**0.8**	**3.9**	<0.5	<0.5	<0.5	**1.4**	<0.5	<0.5
OW-6	12/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	0.53	<0.5	<0.5	1.4	8.6	25	5.8	<0.5	<0.5	7.0	3.1	<0.5	ND
OW-6	12/20/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	1.2	11	44	3.4	<0.5	<0.5	8.1	4	<0.5	ND
OW-6	04/12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	0.6	6.6	22	8.1	<0.5	<0.5	12.0	9.6	<0.5	ND
OW-6	11/06/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	**0.6**	**8.1**	**28**	**3.2**	<0.5	<0.5	**8.4**	**5.2**	<0.5
OW-7	12/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	0.26J	<0.5	<0.5	26	190	490	84	<0.5	0.53	7.0	6.3	0.39J	ND
OW-7	12/20/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.8	<0.5	0.8	25	21	120	330	51	<0.5	<0.5	3.6	3.1	<0.5	ND
OW-7	04/12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	32	16	130	460	70	<0.5	<0.5	6.5	6.8	<0.5	(1)
OW-7	11/06/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	**22**	**12**	**56**	**200**	**40**	<0.5	<0.5	**5.5**	**3.3**	<0.5
OW-8	12/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.55	<0.5	<0.5	ND
OW-8	12/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-8	04/12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
OW-8	11/06/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	12/20/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	ND
FIELD BLANK	12/20/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
FIELD BLANK	04/12/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
FIELD BLANK	11/06/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes:

OW-4 could not be sampled because a shipping container is located on the well.

µg/l = Micrograms per liter.
< = Not detected at or above the practical quantitation limit.
-- = Not analyzed
ND = Not detected above laboratory reporting limits. See laboratory analytical report for individual reporting limits (Appendix C).
J = Estimated result. Result is less than the laboratory practical quantitation limit.
MTBE = Methyl tertiary-butyl ether
CB = Chlorobenzene
1,2-DCB = 1,2-Dichlorobenzene
1,3-DCB = 1,3-Dichlorobenzene
1,4-DCB = 1,4-Dichlorobenzene
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
1,2,3-TCB = 1,2,3-Trichlorobenzene
1,2,4-TCB = 1,2,4-Trichlorobenzene
TCE = Trichloroethene
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
VC = Vinyl Chloride
(1) = 1,2-Dichloroethane was detected at 0.5 µg/l

Historical Groundwater Analytical Data

Well ID	MCL	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1
Date	ug/L	Apr-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99
PURGEABLE HALOCARBONS																													
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	5	4	4	2	2	1	2.8	4.8	ND	ND	ND	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	1200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	0.63	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		NA	NA	1	4	4	1	3	1.6	2.9	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600#	NA	NA	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	4	11	5	13	11	6	3	6.7	14	3.2	ND	4	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS																														
Benzene	1	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	ND	ND	0.66	ND	0.5	0.55	ND
Toluene	1000#	ND	ND	2.3	0.4	ND	ND	ND	ND	ND	ND	ND	0.7	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	0.67	ND	0.78	ND	ND
Ethylbenzene	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	0.8	NA	ND	NA	2.5	ND	NA	ND	ND	ND	ND	1.1	ND	0.67	ND	0.59
Total Xylenes	1750**		ND	2.6	2.4	ND	ND	ND	ND	ND	ND	3.2	9	1.7	1.9	NA	ND	NA	2.5	ND	NA	ND	ND	ND	ND	4.08	0.67	1.03	0.55	0.59
TOTAL VOCs		4	16	18.1	23.8	17	9	7	13.41	21.5	3.2	3.2	15.7	5.7	8.5	NA	NA	NA	2.5	NA	NA	NA	NA	NA	NA					
HYDROCARBONS																														
TVH-g		NA	NA	< 50	82	< 50	< 50	< 500	NA	NA	NA	100	320	< 50	70	NA	NA	NA	80	60	400	230	500	830	590	420	860	650	1100	990
TEPH-d		< 1000	< 1000	190	300	200	200	90	< 200	< 50	1600	3100	3900	1000	2000	NA	2300	NA	1000	1500	740	1000	2300	1400	1500	700	1900	1600	1300	940
O&G		< 5000	16000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																														
Lead	0	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1
Date	Jun-00	Nov-00	Jun-01	Nov-01	Jun-02	Oct-02	Apr-03	Nov-03	Jun-04
PURGEABLE HALOCARBONS									
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS									
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	3.4	ND	ND	ND	ND	ND	ND
TOTAL VOCs	NA	NA	3.4	NA	NA	NA	NA	NA	NA
HYDROCARBONS									
TVH-g	880	920	480	830	840	770	350	310	290
TEPH-d	350	250	740	270	870	500	460	470	420
O&G	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS									
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	MCL	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2
Date	ug/L	Apr-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Apr-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99
PURGEABLE HALOCARBONS																															
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	6	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	1200	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	0.53	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600#	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS																															
Benzene	1	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1000#	ND	ND	0.4	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	1750**		ND	0.4	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL VOCs		NA	NA	1.2	1.4	NA	NA	NA	0.53	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HYDROCARBONS																															
TVH-g		NA	NA	< 50	< 50	< 50	< 50	< 50	NA	NA	NA	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TEPH-d		< 1000	< 1000	130	140	65	90	< 50	< 200	< 50	650	870	410	410	020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O&G		16000	16000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																															
Lead	0	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	8	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2
Date	Jun-00	Nov-00	Jun-01	Nov-01	Jun-02	Oct-02	Apr-03	Nov-03	Jun-04
PURGEABLE HALOCARBONS									
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS									
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL VOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA
HYDROCARBONS									
TVH-g	NA	NA	NA	NA	NA	NA	NA	NA	NA
TEPH-d	NA	NA	NA	NA	NA	NA	NA	NA	NA
O&G	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS									
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	MCL	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4
Date	ug/L	Jun-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jul-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01	Nov-01
PURGEABLE HALOCARBONS																																	
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	3	6.1	9.4	ND	7	4	4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	6	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	1200	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	0.48	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS																																	
Benzene	1	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Toluene	1000#	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Ethylbenzene	680	ND	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Total Xylenes	1750**	ND	ND	0.6	2	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
TOTAL VOCs		NA	NA	0.6	3.4	NA	NA	3	6.58	9.4	NA	7.7	4	4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HYDROCARBONS																																	
TVH-g		NA	NA	<50	<50	<50	<50	<50	NA	NA	NA	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
TEPH-d		< 1000	< 1000	150	210	150	150	<50	580	< 50	2000	2100	620	1300	2100	NA	1500	NA	NA	NA	1600	630	1100	840	950	NA	1000	NA	NA	NA	NA	NA	NA
O&G		< 5000	< 5000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																																	
Lead	0	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	5	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	MCL	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5
Date	ug/L	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93	Oct-93	Jan-94	Apr-94	Jul-94	Jun-95	Nov95	Jun-95	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01	Nov-01	Jun-02	Oct-02	Apr-03	Apr-03	Jun-04
PURGEABLE HALOCARBONS																																
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	1.8	7.2	ND	4	8	13	5	6	NA	2	NA	4	3.2	7.9	2.5	0.9	5.3	2.9	1	2.5	3	2.5	2.2	2.8	1.4	2.7	1.1	2.4	2.4	2.4	2.8
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	1200	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	6	20	16	12	25	28	7	7	NA	2	NA	3	1.3	2.1	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	0.75	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.7	0.9	0.9	ND	0.55	0.7	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	0.7	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55
1,2-Dichlorobenzene	600#	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	1.4
PURGEABLE AROMATICS																																
Benzene	1	14	20	11	15	11	13	26	14	NA	21	NA	11		11	15	18	3.8	15	ND	7.3	8.2	11	8.3	10	7.7	13	8.3	6.0	8.0	7.0	5.8
Toluene	1000#	0.54	ND	ND	1.1	ND	ND	ND	ND	NA	ND	NA	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	680	0.58	ND	ND	0.6	ND	ND	0.7	ND	NA	0.7	NA	0.8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND
Total Xylenes	1750**	5.6	4	6.0	5.1	6	3.8	13	2.4	NA	9.2	NA	1.3		ND	ND	ND	ND	2.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs		29.97	57.2	35.9	37.8	50	57.6	51.7	29.4	NA	34.9	NA	19.9	4.5	88	17.5	26.2	9.1	20.64	1	11.6	12	14.4	8.5	14.35	9.8	16.26	7.4	8.4	9.2	9.95	9.75
HYDROCARBONS																																
TVH-g		NA	NA	NA	120	270	160	350	140	NA	370	NA	110	ND	ND	ND	ND	ND	83	ND	ND	ND	59	ND	ND	79	100	ND	57	58	60	60
TEPH-d		600	1500	1200	840	650	1000	1000	1800	NA	510	NA	1300	510	1600	830	870	740	830	630	780	830	800	ND	ND	540	130	250	470	410	250	650
O&G		NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		< 500	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																																
Lead	0	ND	NA	NA	ND	ND	ND	ND	ND	ND	7.3	7.4	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
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7) Purgeable Halocarbons (EPA method 8010)
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Historical Groundwater Analytical Data

Well ID	MCL	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6
Date	ug/L	Apr-88	Jun-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99
PURGEABLE HALOCARBONS																													
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	ND	ND	ND	ND	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	49	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	4	5	28	29	14	17	17	15	15	41	ND	1	2	2	10	23	NA	7	17	31	8.8	10	5.4	7	7.7	3.3	4.5	2.1	3.1
cis-1,2-Dichloroethene	6	NA	NA	ND	ND	33	ND	1	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	1200	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	10	15	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND
Bromoform	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	ND	1	ND	ND	ND	ND	ND	1	2.3	2	5.7	ND	ND	ND	ND	ND	NA	NO	2	4.5	ND	5.2	1	4.5	28	9.1	5.3	ND	1.9
1,3-Dichlorobenzene		NA	NA	NA	3	ND	2	2	1	3.3	ND	15	ND	ND	ND	ND	ND	NA	NO	ND	ND	11	7.4	20	10	25	45	30	27	5.4	9.2
1,2-Dichlorobenzene	600#	NA	NA	NA	2	ND	1	1	1	2.3	ND	5.8	ND	ND	ND	ND	ND	NA	ND	ND	23	ND	2.4	ND	2.1	6.3	3	2.8	ND	0.7
1,4-Dichlorobenzene	5	NA	NA	NA	2	ND	ND	2	1	3.1	ND	23	ND	ND	ND	ND	ND	NA	ND	ND	2.9	18	48	28	65	140	84	65	19	33
PURGEABLE AROMATICS																														
Benzene	1	ND	ND	ND	0.5	ND	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND	0.6	NA	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Toluene	1000#	ND	ND	ND	0.4	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	NA	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND
Ethylbenzene	680	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1750**			ND	0.7	2.1	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs		6	8	28	37.8	56.4	20	23	20	32.61	43	51.5	1	2	2	20	42.7	NA	7	19	76.3	81.2	83.6	42.4	103.6	261.5	129.4	110.7	27.8	44.9
HYDROCARBONS																														
TVH-g		NA	NA	NA	< 50	52	< 50	< 50	< 50	NA	NA	NA	< 50	< 50	< 50	< 50	< 50	NA	70	<50	ND	ND	61	ND	83	160	110	130	84	57
TEPH-d		< 1000	< 1000	< 1000	440	470	450	130	1310	700	< 50	5500	4800	3500	3900	5300	3500	NA	2200	2500	1300	2400	2000	2400	1300	1200	1300	2000	1300	1000
O&G		< 5000	< 5000	5000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																														
Lead	0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 8/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6
Date	Jun-00	Nov-00	Jun-01	Nov-01	Jun-02	Oct-02	Apr-03	Nov-03	Jun-04
PURGEABLE HALOCARBONS									
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	1.5
1,1-Dichloroethane	1.4	2.3	1.4	1.8	1.3	1.5	1.2	2.8	4.9
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	0.76	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	0.7	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-ChloroethyMnyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	2.5	6.5
1,3-Dichlorobenzene	3	2.7	ND	ND	1.1	2.0	ND	1.9	2.5
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND *	ND	ND	0.54
1,4-Dichlorobenzene	11	10	ND	ND	5.0	7.2	3.0	7.2	8.0
PURGEABLE AROMATICS									
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs	15.4	15.0	2.1	2.6	7.4	10.7	4.2	14.4	23.5
HYDROCARBONS									
TVH-g	ND	ND	ND	ND	ND	ND	ND	ND	75
TEPH-d	68	ND	320	65	220	350	290	380	440
O&G	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS									
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MCL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required

Historical Groundwater Analytical Data

Well ID	MCL	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7
Date	ug/L	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01	Nov-01	Jun-02	Oct-02	Apr-03	Nov-03	Jun-04
PURGEABLE HALOCARBONS																													
Chloromethane		ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	14	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.6
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9
1,1-Dichloroethane	5	ND	18	ND	ND	25	NA	14	NA	8	ND	5.5	25	6.5	6.6	4.3	9.8	4.1	5.7	ND	8.3	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	1200	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	10	480	28	80	530	NA	73	NA	76	28	33	41	18	6.6	7.9	31	5.9	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	100#	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	10	ND	ND	8	ND	NA	29	NA	21	24	12	34	25	31	25	46	27	31	34	36	18	39	27	25	46	74	110	98	110
1,3-Dichlorobenzene		460	130	420	330	170	NA	540	NA	450	570	270	400	380	440	250	360	340	360	420	330	220	330	320	260	420	630	630	210	240
1,2-Dichlorobenzene	600#	120	22	95	77	33	NA	470	NA	78	100	290	61	62	74	47	57	50	48	67	44	44	49	42	55	69	120	75	26	33
1,4-Dichlorobenzene	5	440	120	400	290	160	NA	110	NA	410	540	51	480	500	560	410	530	450	470	580	450	310	470	510	360	500	950	1000	500	740
PURGEABLE AROMATICS																													
Benzene	1	ND	0.8	1	1.4	0.8	NA	1.5	NA	1.6	1.2		1.1	ND	ND	0.56	1.6	0.66	0.65	0.84	0.62	ND	0.81	ND	ND	ND	ND	ND	ND	ND
Toluene	1000#	ND	0.6	0.5	ND	ND	NA	ND	NA	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	680	ND	ND	0.5	ND	ND	NA	ND	NA	ND	ND		ND	ND	ND	ND	70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1750**	ND	2.1	5	ND	ND	NA	ND	NA	4.2	ND		ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs		1054	751.5	951	788.4	918.8	NA	1237.5	NA	1046.8	1253.2	861.5	1612.1	991.5	1118.2	784.76	1109.5	877.66	920.55	1101.8	866.02	592	886.83	809	781	1035	1774	1815	804	1139.7
HYDROCARBONS																													
TVH-g		NA	700	1300	1400	720	NA	1500	NA	1400	1800	650	980	1200	1500	1100	1100	1000	1100	1200	1100	590	1100	1250	530	1000	1300	1200	440	1100
TEPH-d		7100	4400	2800	3800	2300	NA	4900	NA	4500	4800	1600	4400	4600	4800	2900	2100	2600	3560	3500	2400	430	370	1100	590	1000	1700	1000	780	1000
O&G		< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																													
Lead	0	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8
Date	Apr-93	Jul-93	Oct-93	Jan-94	Apr-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	apr,Jun-9	Dec-97	Jun-97	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01	Jun-02	Jun-02	Oct-02	Apr-03	Nov-03	Jun-04
PURGEABLE HALOCARBONS																									
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS																									
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL VOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HYDROCARBONS																									
TVH-g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TEPH-d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O&G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																									
Lead	27	17	ND	25	12	24	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

Historical Groundwater Analytical Data

Well ID	MCL	OW-9B	OW-9	OW-9
Date	ug/L	Jun-86	Jun-89	Nov-99
PURGEABLE HALOCARBONS				
Chloromethane		ND	ND	ND
Bromomethane		ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND
Chloroethane		ND	ND	ND
Methylene Chloride	5#	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND
1,1-Dichloroethane	5	ND	2.6	2.8
cis-1,2-Dichloroethene	6	ND	ND	ND
trans-1,2-Dichloroethene	10	ND	ND	ND
Chloroform	100#*	ND	ND	ND
Freon 113	1200	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND
Bromodichloromethane	100#*	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND
Trichloroethene	5	ND	ND	ND
1,1,2-Trichloroethane	32	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND
Dibromochloromethane	100#*	ND	ND	ND
2-Chloroethylvinyl Ether		NA	ND	ND
Bromoform	100#*	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND
Chlorobenzene	30	ND	31	31
1,3-Dichlorobenzene		ND	390	390
1,2-Dichlorobenzene	600#	ND	53	53
1,4-Dichlorobenzene	5	ND	560	560
PURGEABLE AROMATICS				
Benzene	1	ND	NA	NA
Toluene	1000#	0.73	NA	NA
Ethylbenzene	680	ND	NA	NA
Total Xylenes	1750**	ND	NA	NA
TOTAL VOCs		0.73	1038.6	1038.6
HYDROCARBONS				
TVH-g		ND	NA	NA
TEPH-d		NA	NA	NA
O&G		NA	NA	NA
TPH (418.1)		NA	NA	NA
METALS				
Lead	0	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required
10) 6/17/02 Samples analyzed for VOCs out of holding time due to laboratory error

APPENDIX B

Field Procedures for Low-Flow Purging and Sampling

FIELD PROCEDURES FOR LOW-FLOW PURGING AND SAMPLING

The following sections describe field procedures followed during groundwater monitoring at the site.

EQUIPMENT CALIBRATION

At the beginning of each sampling day, water quality meters for pH, specific electrical conductance (SEC), dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity are calibrated. Calibration data are recorded on the first Well Sampling Record. A CHEMetrics, or other appropriate, field test kit is used if there is a problem with DO meter calibration.

DOWNHOLE PARAMETER AND GROUNDWATER LEVEL MEASUREMENTS

After opening the wells and allowing time for equilibration to atmospheric conditions, and prior to purging and sampling activities, a complete round of downhole parameter and depth to groundwater measurements are collected from all monitoring wells. Downhole DO and ORP are measured first using a Horiba U-22, or other appropriate, water quality meter. Depth to water is then measured using an electric water level sounder to the nearest 0.01 foot from the top of casing.

FREE PRODUCT MEASUREMENT

The wells are inspected for free product, and if free product is observed, the depths to top and bottom of free product is measured using an interface probe to the nearest 0.01 foot from the top of casing.

SAMPLING ORDER

To minimize potential cross-contamination between wells, the wells are sampled in reverse order of target analyte concentration as measured during the previous sampling event.

GROUNDWATER PURGING AND SAMPLING

Groundwater sampling is performed following EPA low-flow purging and sampling procedures[1]. A minimum of three equipment volumes are purged at each well using an electric pump. Typical pump types may include peristaltic, 2-inch stainless steel submersible and/or bladder pumps.

Dedicated tubing and, where necessary, submersible pumps are used to minimize disturbance. When dedicated equipment cannot be used, sufficient time is allowed after equipment installation to allow groundwater conditions to return to equilibrium. The pump inlet is placed in the center of the screened interval. Each well is purged at a flow rate of approximately 200 milliliters per minute (ml/min); flow rate is not to exceed 500 ml/min at any time during purging or sampling. Drawdown in the well is not to exceed 0.3 ft. During purging, temperature, pH, SEC, turbidity, DO, and ORP are monitored using a Horbia U-22, or other appropriate, water quality meter approximately every one equipment volume purged, or every 3 to 5 minutes. Each well is purged until the field parameters are relatively stable for three successive readings. Three successive readings should be within:

- • 0.1 for pH
- • 3% for SEC
- • 10% for temperature
- • 10 mV for ORP if practical
- • 10% for DO if practical
- • 10% for turbidity if practical

If applicable, the ferrous ion concentration is measured using a CHEMetrics, or other appropriate, test kit during the last reading of the field parameters. Immediately after purging, a groundwater sample is collected directly through the pump discharge tubing. Depth to water after sample collection is measured and recorded on the Well Sampling Record.

EQUIPMENT CLEANING

All downhole equipment is cleaned with an Alconox-water solution and double-rinsed with deionized water before use at each well and at the end of each sampling day.

WASTE WATER CONTAINMENT

Waste water including purged groundwater and equipment cleaning water is contained in labeled, DOT-approved, 55-gallon steel drums, or other appropriate containers, and placed at a designated on-site location for future offsite disposal or recycling.

[1] Puls, R.W. and Barcelona, M.J, 1996, Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedure, U.S. Environmental Protection Agency, Office of Research and Development, Publication #EPA/540/5-95/504.

APPENDIX C

Groundwater Purging and Sampling Logs

WELL GAUGING DATA

Project # 071106-KF1 Date 11/6/07 Client Geomatrix

Site 4930 Coliseum Way, Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
OW-1	0929	2					4.05	17.96		
OW-4	0934	2					4.64	19.80		
OW-5	0939	2					4.90	19.01		
OW-6	0946	2					5.23	17.18		
OW-2	0950	2					4.14	20.19		
OW-8	1001	2					3.46	17.75		
OW-7	1005	2					6.67	18.10	↓	
	*	all wells uncapped 15 min. prior to								
		gauging								

LOW FLOW WELL MONITORING DATA SHEET

Project #: 071106-KF1	Client: Geomatrix
Sampler: KF	Date: 11/6/07
Well I.D.: OW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 17.96	Depth to Water Pre: 4.05 Post: 4.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump | X Peristaltic Pump | Bladder Pump
Sampling Method: Dedicated Tubing | X New Tubing | Other ____

Flow Rate: 300ml/min | Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations	DTW
1032	22.8	6.44	777	21	0.67	195	300	clear	4.3
1035	23.1	6.51	757	17	0.62	189	600	clear	4.3
1038	22.8	6.52	750	14	0.91	172	900	clear	4.4
1041	22.9	6.52	752	13	0.85	171	1200	clear	4.4

Did well dewater? Yes (No)	Amount actually evacuated: 1200ml
Sampling Time: 1045	Sampling Date: 11/6/07
Sample I.D.: OW-1-110607	Laboratory: Creek environmental
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 071106-KF1	Client: Geomatrix
Sampler: KF	Date: 11/6/07
Well I.D.: OW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 20.19	Depth to Water Pre: 4.14 Post: 5.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: 151

Purge Method: 2" Grundfos Pump X Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing X New Tubing Other ____
Flow Rate: 300ml/sec Pump Depth: 10.5'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations	DTW
1317	22.94	6.79	4270	9	0.83	-9.8	300	clear	4.8
1320	22.60	6.79	4266	5	0.53	-9.0	600	clear	4.9
1323	22.52	6.75	4135	6	0.45	-6.9	900	clear	4.9
1326	22.52	6.74	4039	4	0.48	-6.4	1200	clear	5.0

Did well dewater? Yes (No) Amount actually evacuated: 1200ml
Sampling Time: 1330 Sampling Date: 11/6/07
Sample I.D.: OW-2-110607 Laboratory: Creek Env.
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 071106-KF1	Client: Geomatrix
Sampler: KF	Date: 11/6/07
Well I.D.: OW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.80	Depth to Water Pre: 4.64 Post: 4.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump ×Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing × New Tubing Other ____
Flow Rate: 300ml/min Pump Depth: 15'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations	DTW
1114	20.7	6.76	1190	18	0.69	-7.0	300	clear	4.7
1117	20.6	6.71	1174	26	0.52	-4.0	600	clear	4.8
1120	20.4	6.64	1117	23	0.58	-6.3	900	clear	4.9
1123	20.5	6.55	1109	19	0.62	-5.8	1200	clear	4.9

Did well dewater? Yes (No)	Amount actually evacuated: 1200ml
Sampling Time: 1128	Sampling Date: 11/6/07
Sample I.D.: OW-4-110607	Laboratory: Creek Env.
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 071106-KF1	Client: Geomatrix
Sampler: KF	Date: 11/6/07
Well I.D.: OW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.01	Depth to Water Pre: 4.90 Post: 5.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____

Flow Rate: 300 ml/min Pump Depth: 11.5'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations	DTW
1152	22.08	6.41	857	93	0.59	13.0	300	clear, odor	4.9
1155	22.16	6.37	785	22	0.47	45.5	600	"	5.0
1158	22.15	6.36	768	20	0.45	16.2	900	"	5.1
1201	22.17	6.34	764	19	0.44	16.3	1200	"	5.2

Did well dewater? Yes (No) Amount actually evacuated: 1200 ml

Sampling Time: 1205 Sampling Date: 11/6/07

Sample I.D.: OW-5-110607 Laboratory: Creek Env.

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 071106-KF1	Client: GeoMatrix
Sampler: KF	Date: 11/6/07
Well I.D.: OW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 17.18	Depth to Water Pre: 5.23 Post: 5.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump X Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing X New Tubing Other ____
Flow Rate: 300ml/min Pump Depth: 12.5'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Observations	DTW
1237	21.09	6.99	1053	24	0.84	25.6	300	clear	5.2
1240	21.04	6.97	1047	18	0.46	-19.7	600	clear	5.2
1243	20.94	6.98	1045	15	0.41	-20.3	900	clear	5.2
1246	20.92	6.99	1045	11	0.39	-20.7	1200	clear	5.2

Did well dewater? Yes (No)	Amount actually evacuated: 1200
Sampling Time: 1250	Sampling Date: 11/6/07
Sample I.D.: OW-6-110607	Laboratory: Creek Env.
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 071106-KF1	Client: GeoMatrix
Sampler: KF	Date: 11/6/07
Well I.D.: OW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 18.10	Depth to Water Pre: 6.67 Post: 6.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: Dedicated Tubing ~~New Tubing~~ Other ____
Flow Rate: 250 ml/min Pump Depth: 12.5'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Observations	DTW
1448	20.6	6.54	1020	137	0.52	7.5	250	clear	6.7
1451	20.4	6.51	1002	126	0.50	10.7	500	clear	6.7
1454	20.4	6.42	992	116	0.50	12.9	750	clear	6.7
1457	20.4	6.40	987	107	0.50	13.7	1000	clear	6.7

Did well dewater? Yes (No) Amount actually evacuated: 1000ml
Sampling Time: 1502 Sampling Date: 11/6/07
Sample I.D.: OW-7-110607 Laboratory: Creek Env.
Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 071106-KF1	Client: Geomatrix
Sampler: KF	Date: 11/6/07
Well I.D.: OW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 17.75	Depth to Water Pre: 3.46 Post: 4.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI

Purge Method: 2" Grundfos Pump ✕ Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing ✕ New Tubing Other ____

Flow Rate: 300ml Pump Depth: 13'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations	DTW
1421	22.1	6.37	1060	4	1.48	15.3	300	clear	4.1
1424	22.2	6.36	1029	7	1.15	16.0	600	clear	4.2
1427	22.1	6.33	1000	3	1.08	17.5	900	clear	4.2
1430	22.1	6.33	985	4	1.07	17.9	1200	clear	4.3

Did well dewater? Yes (No)	Amount actually evacuated: 1200ml
Sampling Time: 1435	Sampling Date: 11/6/07
Sample I.D.: OW-8-110607	Laboratory: Creek Env.
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

APPENDIX D

Laboratory Analytical Reports and Chain-of-Custody Documentation

05889

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF BTS # 071106-KF1

CLIENT: Geomatrix

SITE: PG&E Oakland
4930 Coliseum Way
Oakland, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: Creek Laboratories | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION ____

SPECIAL INSTRUCTIONS

Invoice to : Geomatrix

Report to : Geomatrix Attn: Jonathan Skaggs

Ph# 510-663-4100 / Fax# 510663-4141

Geomatrix Project #

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL	C	TPH-G (8015M)	VOCs Full list(8260B)	TPH-D & Motor Oil (8015M)	Dissolved Lead (6010) Field Filtered	TPH-D (8015M) w/ SILICAGEL CLEANUP	TPH-MO (8015M) w/ SILICAGEL CLEANUP	MS/MSD	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
OW-1-110607	11/6/07	1045	W	8		X	X	X	X	X	X		AG/unp-A, p/HNO3-B, voa/HCL-C-H			14402
OW-2-110607		1330		2				X	X	X	X		AG/unp-A, p/HNO3-B			14403
OW-4-110607		1128		8		X	X	X	X	X	X		AG/unp-A, p/HNO3-B, voa/HCL-C-H			14404
OW-5-110607		1205		10		X	X	X	X	X	X	X	AG/unp-A,B,C, p/HNO3-D, voa/HCL-E-J			14405
★ OW-6-110607		1250		8		X	X	X	X	X	X		AG/unp-A, p/HNO3-B, voa/HCL-C-G			14406
★ OW-7-110607		1502		8		X	X	X	X	X	X		p/HNO3-B, AG/unp-A, voa/HCL-C-F			14407
OW-8-110607		1435		2				X	X	X	X		AG/unp-A, p/HNO3-B			14408
FB-1-110607		1200		4			X		X				p/HNO3-A, voa/HCL-B,C,D			14409

SAMPLING COMPLETED	DATE	TIME
	11/6/07	1502

SAMPLING PERFORMED BY: K. Cordes

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	11/6/07	1730		11/6/07	1730
				11/8/07	10:50

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
			2° C

★ 1 voa from 14406 and 2 from 14407 broke in transit

CREEK ENVIRONMENTAL LABORATORIES, INC.
A Minority-owned Business Enterprise
141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

CASE NARRATIVE O5889

Samples: 07-C14402 to 07-C14409

The VOC (8260B) analysis for this batch of samples (collected 11-06-07) was interrupted in the middle of a sequence due to instrument malfunction, resulting in some samples being analyzed one day past holding time. The following samples were affected:

07-C14405 (OW-5)
07-C14406 (OW-6)
07-C14407 (OW-7)
07-C14409 (FB-1)

Results for TPH-diesel by silica gel treated method in the following samples are blank subtracted to exclude extraneous, non-TPH, low level laboratory contaminants, found also in the method blank:

07-C14402 (OW-1)
07-C14405 (OW-5)
07-C14407 (OW-7)

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
A Minority-owned Business Enterprise
141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14402
Order: 05889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-1	K. Cordes	11/06/07@10:45	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1641
TPH as Diesel	0.14	0.05	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1639
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1640
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1643
TPH as Gasoline	0.08	0.05	1	mg/L	EPA 8015/LUFT	11/17/07		1525
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Chlorobenzene	4.2	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dichlorobenzene	2.2	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,3-Dichlorobenzene	21	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,4-Dichlorobenzene	68	2	5	ug/L	EPA 8260	11/20/07		1711
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	11/20/07		1711
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14402
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-1	K. Cordes	11/06/07@10:45	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	11/20/07		1711
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1-Dichloroethane	5.1	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1-Dichloroethene	6.0	0.5	1	ug/L	EPA 8260	11/20/07		1711
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Methylene Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	11/20/07		1711
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,4-Trichlorobenzene	1.6	0.5	1	ug/L	EPA 8260	11/20/07		1711

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14402
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-1	K. Cordes	11/06/07@10:45	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14403
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

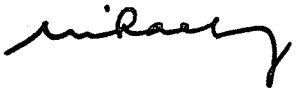
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-2	K. Cordes	11/06/07@13:30	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1641
TPH as Diesel	0.21	0.05	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1639
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1640
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1643
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES



Lab Director, Michael Ng

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A Minority-owned Business Enterprise
141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14404
Order: 05889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-4	K. Cordes	11/06/07@11:28	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.1	0.1	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1641
TPH as Diesel	0.31	0.05	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1639
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1640
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1643
TPH as Gasoline	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/17/07		1525
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Chlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,3-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,4-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	11/20/07		1711
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14404
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-4	K. Cordes	11/06/07@11:28	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	11/20/07		1711
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1-Dichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Methylene Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	11/20/07		1711
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711

CREEK ENVIRONMENTAL LABORATORIES, INC.
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141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14404
Order: 05889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-4	K. Cordes	11/06/07@11:28	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/20/07		1711
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
A Minority-owned Business Enterprise
141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14405
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-5	K. Cordes	11/06/07@12:05	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.2	0.1	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1641
TPH as Diesel	0.36	0.05	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1639
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1640
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1643
TPH as Gasoline	0.05	0.05	1	mg/L	EPA 8015/LUFT	11/17/07		1525
Benzene	6.8	0.5	1	ug/L	EPA 8260	11/21/07		1729
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichlorobenzene	0.8	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,4-Dichlorobenzene	3.9	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
sec-Butyl Benzene	1.1	0.5	1	ug/L	EPA 8260	11/21/07		1729
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	11/21/07		1729
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14405
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-5	K. Cordes	11/06/07@12:05	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	11/21/07		1729
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethane	1.4	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Isopropylbenzene	1.6	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methylene Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Naphthalene	32	5	1	ug/L	EPA 8260	11/21/07		1729
n-Propylbenzene	0.7	0.5	1	ug/L	EPA 8260	11/21/07		1729
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729

CREEK ENVIRONMENTAL LABORATORIES, INC.
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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14405
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-5	K. Cordes	11/06/07@12:05	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,4-Trimethylbenzene	1.2	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3,5-Trimethylbenzene	1.4	0.5	1	ug/L	EPA 8260	11/21/07		1729
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14406
Order: 05889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-6	K. Cordes	11/06/07@12:50	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.1	0.1	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1641
TPH as Diesel	0.22	0.05	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1639
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1640
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1643
TPH as Gasoline	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/17/07		1525
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chlorobenzene	3.2	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichlorobenzene	0.6	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichlorobenzene	8.1	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,4-Dichlorobenzene	28	1	2	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	11/21/07		1729
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14406
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-6	K. Cordes	11/06/07@12:50	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	11/21/07		1729
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethane	8.4	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethene	5.2	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methylene Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	11/21/07		1729
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729

CREEK ENVIRONMENTAL LABORATORIES, INC.
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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14406
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-6	K. Cordes	11/06/07@12:50	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14407
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-7	K. Cordes	11/06/07@15:02	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.2	0.1	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1641
TPH as Diesel	0.40	0.05	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1639
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1640
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1643
TPH as Gasoline	0.25	0.05	1	mg/L	EPA 8015/LUFT	11/17/07		1525
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chlorobenzene	40	2	5	ug/L	EPA 8260	11/21/07		1729
1,2-Dichlorobenzene	12	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichlorobenzene	56	2	5	ug/L	EPA 8260	11/21/07		1729
1,4-Dichlorobenzene	200	2	5	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloroethane (EDC)	0.9	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	11/21/07		1729
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729

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141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14407
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-7	K. Cordes	11/06/07@15:02	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	11/21/07		1729
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethane	5.5	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethene	3.3	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methylene Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	11/21/07		1729
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,4-Trichlorobenzene	22	0.5	1	ug/L	EPA 8260	11/21/07		1729

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14407
Order: 05889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-7	K. Cordes	11/06/07@15:02	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

CREEK ENVIRONMENTAL LABORATORIES, INC.
A Minority-owned Business Enterprise
141 SUBURBAN ROAD, SUITE C-5 • SAN LUIS OBISPO, CA 93401 • (805) 545-9838 • FAX (805) 545-0107

Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14408
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

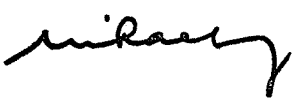
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-8	K. Cordes	11/06/07@14:35	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.1	0.1	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1641
TPH as Diesel	0.28	0.05	1	mg/L	EPA 8015/LUFT	11/14/07	11/12/07	1639
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1640
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	11/19/07	11/12/07	1643
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES



Lab Director, Michael Ng

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14409
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
FB-1	K. Cordes	11/06/07@12:00	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,4-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	11/21/07		1729
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	11/21/07		1729
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 07-C14409
Order: O5889
Project: PG&E Oakland
Received: 11/08/07
Printed: 12/17/07

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
FB-1	K. Cordes	11/06/07@12:00	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Methylene Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	11/21/07		1729
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729

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Received: 11/08/07
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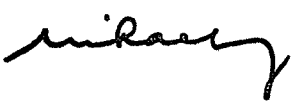
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
FB-1	K. Cordes	11/06/07@12:00	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	11/21/07		1729
Lead, Dissolved	Not Detected	0.008	2	mg/L	EPA 6020	11/15/07	11/14/07	1399

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES



Lab Director, Michael Ng

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Order No.: 05889
Laboratory Reagent Blank

Analyte	Method	Results	Units	Batch
TPH as Motor Oil	EPA 8015/LUFT	< 0.1	mg/L	1641
TPH as Diesel	EPA 8015/LUFT	< 0.05	mg/L	1639
TPH as Diesel, SGT	EPA 8015/LUFT	< 0.05	mg/L	1640
TPH as Motor Oil, SGT	EPA 8015/LUFT	< 0.1	mg/L	1643
TPH as Gasoline	EPA 8015/LUFT	< 0.05	mg/L	1525
TPH as Gasoline	EPA 8015/LUFT	< 0.05	mg/L	1525
Benzene	EPA 8260	< 0.5	ug/L	1711
Benzene	EPA 8260	< 0.5	ug/L	1729
Toluene	EPA 8260	< 0.5	ug/L	1711
Toluene	EPA 8260	< 0.5	ug/L	1729
Ethylbenzene	EPA 8260	< 0.5	ug/L	1711
Ethylbenzene	EPA 8260	< 0.5	ug/L	1729
m,p-Xylene	EPA 8260	< 0.5	ug/L	1711
m,p-Xylene	EPA 8260	< 0.5	ug/L	1729
o-Xylene	EPA 8260	< 0.5	ug/L	1711
o-Xylene	EPA 8260	< 0.5	ug/L	1729
Methyl t-Butyl Ether (MTBE)	EPA 8260	< 0.5	ug/L	1711
Methyl t-Butyl Ether (MTBE)	EPA 8260	< 0.5	ug/L	1729
Chlorobenzene	EPA 8260	< 0.5	ug/L	1711
Chlorobenzene	EPA 8260	< 0.5	ug/L	1729
1,2-Dichlorobenzene	EPA 8260	< 0.5	ug/L	1711
1,2-Dichlorobenzene	EPA 8260	< 0.5	ug/L	1729
1,3-Dichlorobenzene	EPA 8260	< 0.5	ug/L	1711
1,3-Dichlorobenzene	EPA 8260	< 0.5	ug/L	1729
1,4-Dichlorobenzene	EPA 8260	< 0.5	ug/L	1711
1,4-Dichlorobenzene	EPA 8260	< 0.5	ug/L	1729
1,2-Dichloroethane (EDC)	EPA 8260	< 0.5	ug/L	1711
1,2-Dichloroethane (EDC)	EPA 8260	< 0.5	ug/L	1729
1,2-Dibromoethane (EDB)	EPA 8260	< 0.5	ug/L	1711
1,2-Dibromoethane (EDB)	EPA 8260	< 0.5	ug/L	1729
Bromobenzene	EPA 8260	< 0.5	ug/L	1711
Bromobenzene	EPA 8260	< 0.5	ug/L	1729
Bromochloromethane	EPA 8260	< 0.5	ug/L	1711
Bromochloromethane	EPA 8260	< 0.5	ug/L	1729
Bromodichloromethane	EPA 8260	< 0.5	ug/L	1711
Bromodichloromethane	EPA 8260	< 0.5	ug/L	1729
Bromoform	EPA 8260	< 0.5	ug/L	1711
Bromoform	EPA 8260	< 0.5	ug/L	1729
Bromomethane	EPA 8260	< 0.5	ug/L	1711
Bromomethane	EPA 8260	< 0.5	ug/L	1729
n-Butylbenzene	EPA 8260	< 0.5	ug/L	1711
n-Butylbenzene	EPA 8260	< 0.5	ug/L	1729
sec-Butyl Benzene	EPA 8260	< 0.5	ug/L	1711
sec-Butyl Benzene	EPA 8260	< 0.5	ug/L	1729
t-Butylbenzene	EPA 8260	< 0.5	ug/L	1711

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Order No.: 05889

Laboratory Reagent Blank (continued)

Analyte	Method	Result	Units	Batch
t-Butylbenzene	EPA 8260	< 0.5	ug/L	1729
Carbon Tetrachloride	EPA 8260	< 0.5	ug/L	1711
Carbon Tetrachloride	EPA 8260	< 0.5	ug/L	1729
Chloroethane	EPA 8260	< 0.5	ug/L	1711
Chloroethane	EPA 8260	< 0.5	ug/L	1729
2-Chloroethylvinyl ether	EPA 8260	< 20	ug/L	1711
2-Chloroethylvinyl ether	EPA 8260	< 20	ug/L	1729
Chloroform	EPA 8260	< 0.5	ug/L	1711
Chloroform	EPA 8260	< 0.5	ug/L	1729
Chloromethane	EPA 8260	< 0.5	ug/L	1711
Chloromethane	EPA 8260	< 0.5	ug/L	1729
2-Chlorotoluene	EPA 8260	< 0.5	ug/L	1711
2-Chlorotoluene	EPA 8260	< 0.5	ug/L	1729
4-Chlorotoluene	EPA 8260	< 0.5	ug/L	1711
4-Chlorotoluene	EPA 8260	< 0.5	ug/L	1729
1,2-Dibromo-3-Chloropropane	EPA 8260	< 1	ug/L	1711
1,2-Dibromo-3-Chloropropane	EPA 8260	< 1	ug/L	1729
Dibromochloromethane	EPA 8260	< 0.5	ug/L	1711
Dibromochloromethane	EPA 8260	< 0.5	ug/L	1729
Dibromomethane	EPA 8260	< 0.5	ug/L	1711
Dibromomethane	EPA 8260	< 0.5	ug/L	1729
Dichlorodifluoromethane	EPA 8260	< 0.5	ug/L	1711
Dichlorodifluoromethane	EPA 8260	< 0.5	ug/L	1729
1,1-Dichloroethane	EPA 8260	< 0.5	ug/L	1711
1,1-Dichloroethane	EPA 8260	< 0.5	ug/L	1729
1,1-Dichloroethene	EPA 8260	< 0.5	ug/L	1711
1,1-Dichloroethene	EPA 8260	< 0.5	ug/L	1729
cis-1,2-Dichloroethene	EPA 8260	< 0.5	ug/L	1711
cis-1,2-Dichloroethene	EPA 8260	< 0.5	ug/L	1729
trans-1,2-Dichloethene	EPA 8260	< 0.5	ug/L	1711
trans-1,2-Dichloethene	EPA 8260	< 0.5	ug/L	1729
1,2-Dichloropropane	EPA 8260	< 0.5	ug/L	1711
1,2-Dichloropropane	EPA 8260	< 0.5	ug/L	1729
1,3-Dichloropropane	EPA 8260	< 0.5	ug/L	1711
1,3-Dichloropropane	EPA 8260	< 0.5	ug/L	1729
2,2-Dichloropropane	EPA 8260	< 0.5	ug/L	1711
2,2-Dichloropropane	EPA 8260	< 0.5	ug/L	1729
1,1-Dichloropropene	EPA 8260	< 0.5	ug/L	1711
1,1-Dichloropropene	EPA 8260	< 0.5	ug/L	1729
cis-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	1711
cis-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	1729
trans-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	1711
trans-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	1729
Hexachlorobutadiene	EPA 8260	< 0.5	ug/L	1711

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Order No.: 05889

Laboratory Reagent Blank (continued)

Analyte	Method	Result	Units	Batch
Hexachlorobutadiene	EPA 8260	< 0.5	ug/L	1729
Isopropylbenzene	EPA 8260	< 0.5	ug/L	1711
Isopropylbenzene	EPA 8260	< 0.5	ug/L	1729
4-Isopropyltoluene	EPA 8260	< 0.5	ug/L	1711
4-Isopropyltoluene	EPA 8260	< 0.5	ug/L	1729
Methylene Chloride	EPA 8260	< 0.5	ug/L	1711
Methylene Chloride	EPA 8260	< 0.5	ug/L	1729
Naphthalene	EPA 8260	< 5	ug/L	1711
Naphthalene	EPA 8260	< 5	ug/L	1729
n-Propylbenzene	EPA 8260	< 0.5	ug/L	1711
n-Propylbenzene	EPA 8260	< 0.5	ug/L	1729
Styrene	EPA 8260	< 0.5	ug/L	1711
Styrene	EPA 8260	< 0.5	ug/L	1729
1,1,1,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	1711
1,1,1,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	1729
1,1,2,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	1711
1,1,2,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	1729
Tetrachloroethene	EPA 8260	< 0.5	ug/L	1711
Tetrachloroethene	EPA 8260	< 0.5	ug/L	1729
1,2,3-Trichlorobenzene	EPA 8260	< 0.5	ug/L	1711
1,2,3-Trichlorobenzene	EPA 8260	< 0.5	ug/L	1729
1,2,4-Trichlorobenzene	EPA 8260	< 0.5	ug/L	1711
1,2,4-Trichlorobenzene	EPA 8260	< 0.5	ug/L	1729
1,1,1-Trichloroethane	EPA 8260	< 0.5	ug/L	1711
1,1,1-Trichloroethane	EPA 8260	< 0.5	ug/L	1729
1,1,2-Trichloroethane	EPA 8260	< 0.5	ug/L	1711
1,1,2-Trichloroethane	EPA 8260	< 0.5	ug/L	1729
Trichloroethene	EPA 8260	< 0.5	ug/L	1711
Trichloroethene	EPA 8260	< 0.5	ug/L	1729
Trichlorofluoromethane	EPA 8260	< 0.5	ug/L	1711
Trichlorofluoromethane	EPA 8260	< 0.5	ug/L	1729
1,2,3-Trichloropropane	EPA 8260	< 0.5	ug/L	1711
1,2,3-Trichloropropane	EPA 8260	< 0.5	ug/L	1729
1,2,4-Trimethylbenzene	EPA 8260	< 0.5	ug/L	1711
1,2,4-Trimethylbenzene	EPA 8260	< 0.5	ug/L	1729
1,3,5-Trimethylbenzene	EPA 8260	< 0.5	ug/L	1711
1,3,5-Trimethylbenzene	EPA 8260	< 0.5	ug/L	1729
Vinyl Chloride	EPA 8260	< 0.5	ug/L	1711
Vinyl Chloride	EPA 8260	< 0.5	ug/L	1729
Lead, Dissolved	EPA 6020	< 0.004	mg/L	1399

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Quality Control Results

Order No.: 05889

Laboratory Known Analysis (LCS)

Analyte	Method	Recovery	Spike Amount	Units	Recovery Limits	Batch
TPH as Diesel	EPA 8015/LUFT	69%	5.0	mg/L	50 - 150	1639
TPH as Diesel, SGT	EPA 8015/LUFT	62%	5.0	mg/L	50 - 150	1640
TPH as Gasoline	EPA 8015/LUFT	84%	0.5	mg/L	60 - 140	1525
TPH as Gasoline	EPA 8015/LUFT	90%	0.5	mg/L	60 - 140	1525
TPH as Gasoline	EPA 8015/LUFT	94%	0.5	mg/L	60 - 140	1525
Benzene	EPA 8260	108%	10	ug/L	80 - 120	1711
Benzene	EPA 8260	106%	10	ug/L	80 - 120	1711
Benzene	EPA 8260	103%	10	ug/L	80 - 120	1729
Toluene	EPA 8260	112%	10	ug/L	80 - 120	1711
Toluene	EPA 8260	108%	10	ug/L	80 - 120	1711
Toluene	EPA 8260	105%	10	ug/L	80 - 120	1729
Chlorobenzene	EPA 8260	114%	10	ug/L	80 - 120	1711
Chlorobenzene	EPA 8260	111%	10	ug/L	80 - 120	1711
Chlorobenzene	EPA 8260	101%	10	ug/L	80 - 120	1729
1,1-Dichloroethene	EPA 8260	107%	10	ug/L	80 - 120	1711
1,1-Dichloroethene	EPA 8260	104%	10	ug/L	80 - 120	1711
1,1-Dichloroethene	EPA 8260	107%	10	ug/L	80 - 120	1729
Trichloroethene	EPA 8260	106%	10	ug/L	80 - 120	1711
Trichloroethene	EPA 8260	101%	10	ug/L	80 - 120	1711
Trichloroethene	EPA 8260	104%	10	ug/L	80 - 120	1729
Lead, Dissolved	EPA 6020	101%	1.0	mg/L	75 - 125	1399

Matrix Spike/Matrix Spike Duplicates

Analyte	Method	MS Rec.	MSD Rec.	RPD	Matrix Sample	Spike Amount	Units	Recovery Limits	RPD Limit	Batch
TPH as Diesel	EPA 8015/LUFT	64%	66%	3	07-C14398	5.0	mg/L	50 - 150	30	1639
TPH as Diesel, SGT	EPA 8015/LUFT	56%	53%	7	07-C14398	5.0	mg/L	50 - 150	30	1640
TPH as Gasoline	EPA 8015/LUFT	86%	72%	18	07-C14479	0.5	mg/L	60 - 140	30	1525
Benzene	EPA 8260	98%	99%	1	07-C14398	10	ug/L	70 - 130	20	1711
Benzene	EPA 8260	68%	90%	15	07-C14405	10	ug/L	70 - 130	20	1729
Toluene	EPA 8260	101%	103%	2	07-C14398	10	ug/L	70 - 130	20	1711
Toluene	EPA 8260	103%	108%	5	07-C14405	10	ug/L	70 - 130	20	1729
Chlorobenzene	EPA 8260	98%	97%	1	07-C14405	10	ug/L	70 - 130	20	1729
1,1-Dichloroethene	EPA 8260	86%	92%	6	07-C14405	10	ug/L	70 - 130	20	1729
Trichloroethene	EPA 8260	101%	108%	7	07-C14405	10	ug/L	70 - 130	20	1729
Lead, Dissolved	EPA 6020	100%	97%	3	07-C14403	1.0	mg/L	75 - 125	20	1399