Pacific Gas and Electric Company

Environmental Remediation
3400 Crow Canyon Road
San Ramon, CA 94583

July 8, 2008

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, May 2008 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, May 2008 Sampling Event, Pacific Gas and Electric Company, Oakland General Construction Yard, 4930 Coliseum Way, Oakland, California*, dated June 2008. 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: Anne Conner, PG&E
Margarita Khavul, PG&E

SEMIANNUAL GROUNDWATER MONITORING REPORT

May 2008 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

July 2008

ITSI Project No: 07037.0018

Innovative Technical Solutions, Inc.

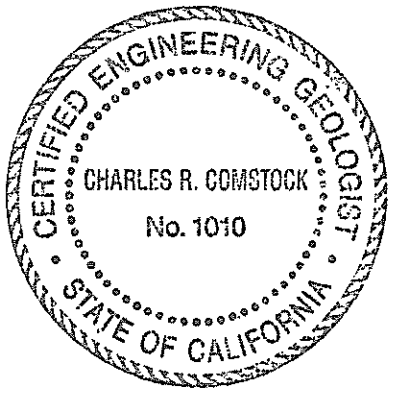
SEMIANNUAL GROUNDWATER MONITORING REPORT

May 2008 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:

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July 2008

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 May 6, 2008, 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 May 6, 2008. 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 May 6, 2008. 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 COC was amended to cancel TPH/BTEX for all samples; add TPH-g and the full list VOC plus oxygenates to OW-1, OW-4, OW-5, OW-6, and OW-7; and add dissolved lead to OW-2, OW-5 and OW-8; conduct TPH-d/mo analysis with and without silica gel cleanup on all samples; and finally, the TPH-d/mo analysis for the field blank was cancelled because the 1 liter amber container was not provided for analyses.) 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 May 6, 2008, monitoring event indicate that depth to water ranged from 2.73 to 4.53 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 0.007 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 May 6, 2008, monitoring event indicate the following:

- TPHg was detected in samples collected from two wells (OW-6 and OW-7) sampled at the site. The TPHg concentrations were 50 to 560 µg/l, respectively. The concentration detected in OW-7 (located in the northern portion of the property) increased from the November 2007 sampling event (250 µg/l).
- 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 260 µg/l to 610 µg/l (an increase from the range detected in the November 2007 sampling event [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 200 µg/l to 700 µg/l (an increase from the range detected in the November 2007 sampling event [100 µg/l to 500 µg/l]).
- Dissolved lead was not detected above the laboratory method reporting limit of 4 µg/l.
- With the exception of a trace MTBE detection of 0.6 µg/l at OW-1; 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 northern (upgradient) portion of the property.
- DIPE was only detected in groundwater samples from OW-6 (5.0 ug/L) and OW-7 (0.6 ug/L).

Table 2 summarizes the laboratory analytical results. Figure 4 presents the results of the May 6, 2008, 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. Overall, the analytical results of the May 6, 2008, groundwater-monitoring event are consistent with the results of previous groundwater monitoring events.

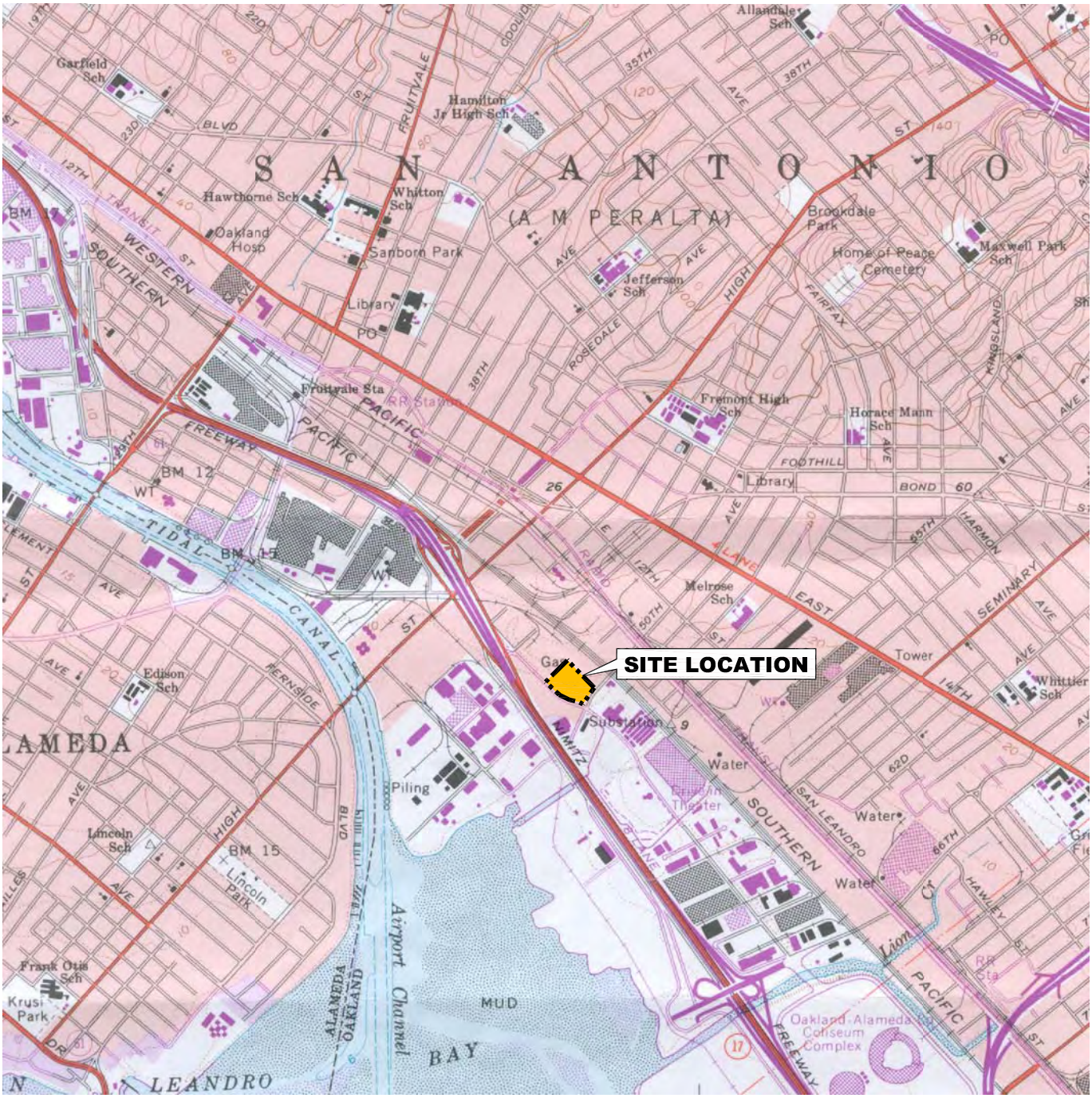
7.0 REFERENCES

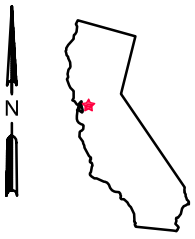
CSS Environmental Services, Inc., 2005, Semi-Annual Groundwater Monitoring Report, Pacific Gas and Electric General Construction Yard, 4930 Coliseum Way, Oakland, California, September 2.

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





CALIFORNIA

1 1/2 0 1

SCALE IN MILE

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE IN FEET

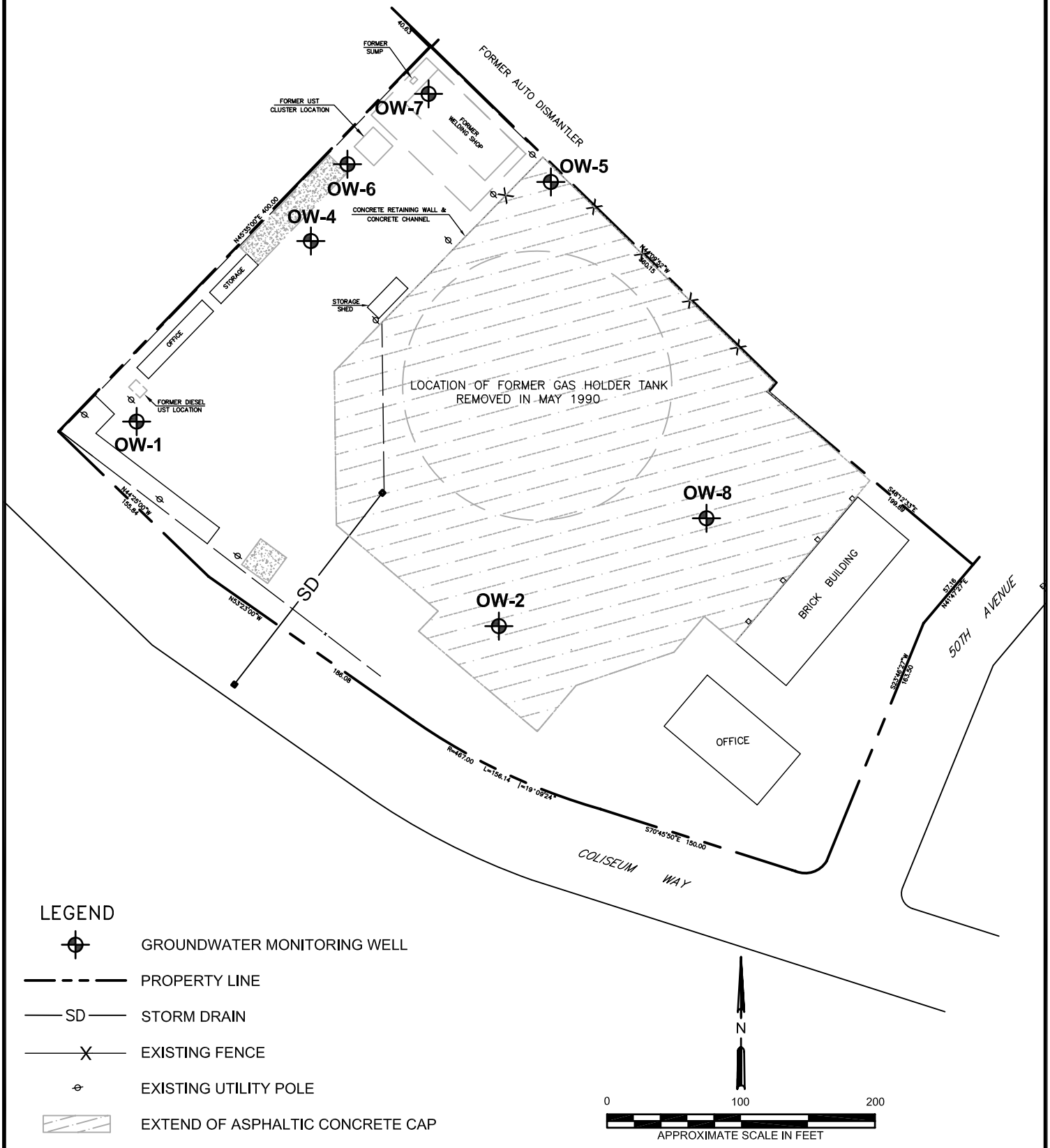
REFERENCE: USGS 7.5 MINUTE QUADRANGLE;
OAKLAND EAST, CALIFORNIA
PHOTOREVISED 1981

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



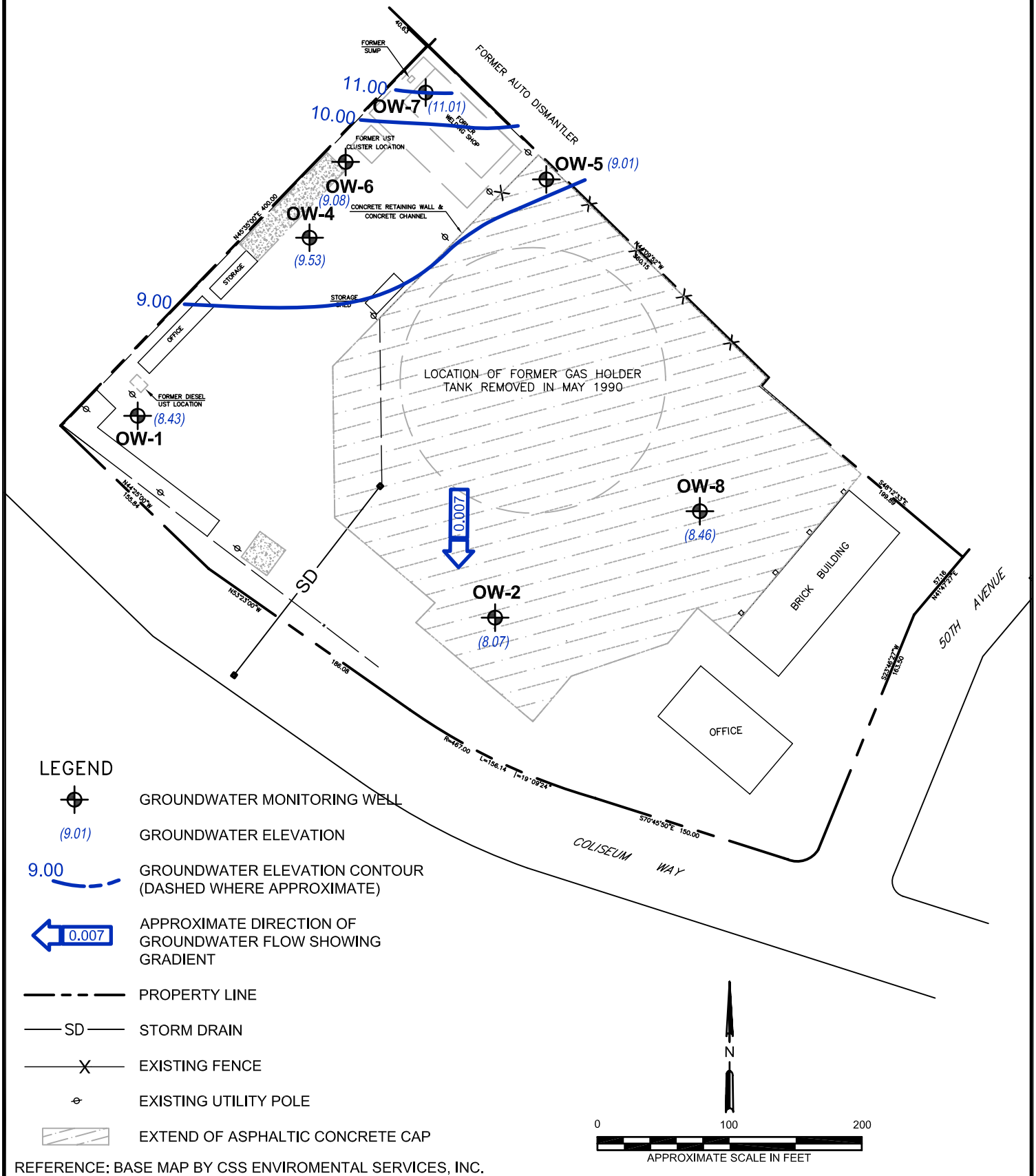
REFERENCE: BASE MAP BY CSS ENVIROMENTAL SERVICES, INC.
FIGURE 4.1 BY ES DATED 08/2005
JOB #6118; 01/1999

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
- (9.01) GROUNDWATER ELEVATION
- 9.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE APPROXIMATE)
- 0.007 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

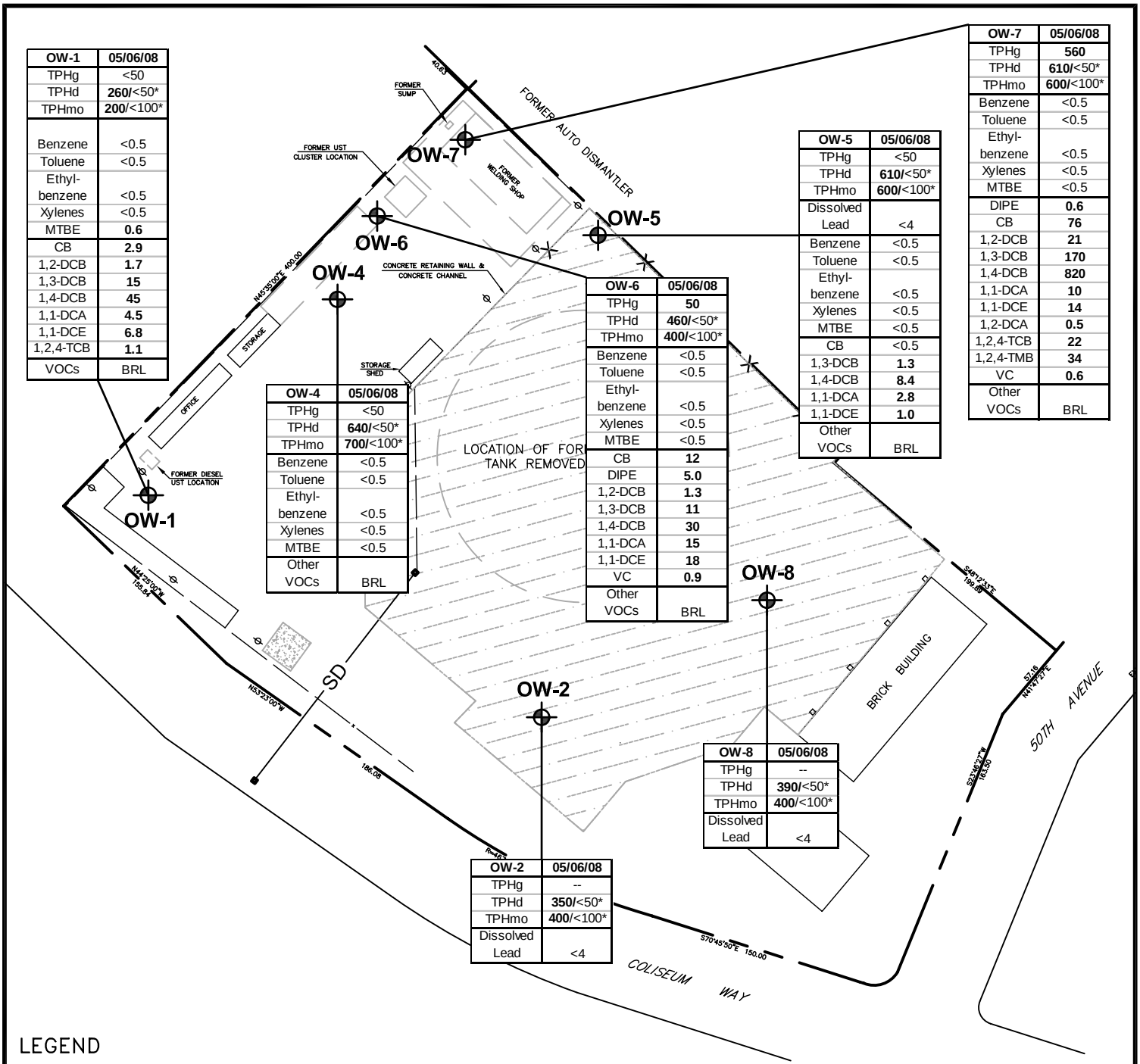
REFERENCE: BASE MAP BY CSS ENVIROMENTAL SERVICES, INC.
FIGURE 4.1 BY ES DATED 08/2005
JOB #6118; 01/1999

Innovative Technical Solutions, Inc.

Pacific Gas and Electric
Oakland General Construction Yard
Oakland, California

FIGURE 3
Groundwater Elevation Contours
(May 6, 2008)

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



OW-1	05/06/08
TPHg	<50
TPHd	**260**/<50*
TPHmo	**200**/<100*
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	**0.6**
CB	**2.9**
1,2-DCB	**1.7**
1,3-DCB	**15**
1,4-DCB	**45**
1,1-DCA	**4.5**
1,1-DCE	**6.8**
1,2,4-TCB	**1.1**
VOCs	BRL

OW-4	05/06/08
TPHg	<50
TPHd	**640**/<50*
TPHmo	**700**/<100*
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
Other VOCs	BRL

OW-6	05/06/08
TPHg	**50**
TPHd	**460**/<50*
TPHmo	**400**/<100*
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
CB	**12**
DIPE	**5.0**
1,2-DCB	**1.3**
1,3-DCB	**11**
1,4-DCB	**30**
1,1-DCA	**15**
1,1-DCE	**18**
VC	**0.9**
Other VOCs	BRL

OW-5	05/06/08
TPHg	<50
TPHd	**610**/<50*
TPHmo	**600**/<100*
Dissolved Lead	<4
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
CB	<0.5
1,3-DCB	**1.3**
1,4-DCB	**8.4**
1,1-DCA	**2.8**
1,1-DCE	**1.0**
Other VOCs	BRL

OW-7	05/06/08
TPHg	**560**
TPHd	**610**/<50*
TPHmo	**600**/<100*
Benzene	<0.5
Toluene	<0.5
Ethyl-benzene	<0.5
Xylenes	<0.5
MTBE	<0.5
DIPE	**0.6**
CB	**76**
1,2-DCB	**21**
1,3-DCB	**170**
1,4-DCB	**820**
1,1-DCA	**10**
1,1-DCE	**14**
1,2-DCA	**0.5**
1,2,4-TCB	**22**
1,2,4-TMB	**34**
VC	**0.6**
Other VOCs	BRL

OW-8	05/06/08
TPHg	--
TPHd	**390**/<50*
TPHmo	**400**/<100*
Dissolved Lead	<4

OW-2	05/06/08
TPHg	--
TPHd	**350**/<50*
TPHmo	**400**/<100*
Dissolved Lead	<4

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)

Innovative Technical Solutions, Inc.

Pacific Gas and Electric
Oakland General Construction Yard
Oakland, California

FIGURE 4
Groundwater Analytical Results
(May 6, 2008)

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	5/6/2008	11.82	3.39	8.43
OW-2	5/6/2008	11.24	3.17	8.07
OW-4	5/6/2008	12.82	3.29	9.53
OW-5	5/6/2008	13.24	4.23	9.01
OW-6	5/6/2008	13.61	4.53	9.08
OW-7	5/6/2008	15.00	3.99	11.01
OW-8	5/6/2008	11.19	2.73	8.46

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 (May 6, 2008)
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	DIPE µg/L	VC µg/L	Other VOCs µg/L
OW-1	05/06/08	<50	**260/**<50*	**200/**<100*	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	**0.6**	<0.5	**1.1**	<0.5	<0.5	**1.7**	**15**	**45**	**2.9**	<0.5	**4.5**	**6.8**	<0.5	<0.5	ND
OW-2	05/06/08	--	**350/**<50*	**400/**<100*	<4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-4	05/06/08	<50	**640/**<50*	**700/**<100*	--	<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	<0.5	ND
OW-5	05/06/08	<50	**610/**<50*	**600/**<100*	<4	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	**8.4**	<0.5	<0.5	**2.8**	**1.0**	<0.5	<0.5	ND
OW-6	05/06/08	**50**	**460/**<50*	**400/**<100*	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	**11**	**30**	**12**	<0.5	**15.0**	**18**	**5.0**	**0.9**	(1)
OW-7	05/06/08	**560**	**610/**<50*	**600/**<100*	--	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	**34**	<0.5	**0.5**	**21**	**170**	**820**	**76**	<0.5	**10**	**14**	**0.6**	**0.6**	ND
OW-8	05/06/08	--	**390/**<50*	**400/**<100*	<4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	05/06/08	--	--	--	<4	<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	<0.5	ND

Notes:

(1) =1,2-Dichloroethane was detected at 0.5
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
DIPE = Diisopropyl Ether
TCE = Trichloroethene
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
(1) = 1,2-Dichloroethane was detected at 0.5 µg/l

* = TPHd/TPHmo analyzed using silica gel cleanup

APPENDIX A

Historical Groundwater Analytical Results

Innovative Technical Solutions, Inc.

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	820	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	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	0.46	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	ND	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	6.56	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	560	< 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:
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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	670	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:
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-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	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	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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2) # = EPA MCL
3) * = MCL for sum of four compounds
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5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
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7) Purgeable Halocarbons (EPA method 8010)
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10) 6/17/02 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	8.6	7.9	31	5.8	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	ND	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	758.4	918.8	NA	1237.5	NA	1046.8	1253.2	661.5	1612.1	991.5	1118.2	784.76	1106.5	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	qtr,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	1036.6	1036.6
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

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 Naphthalene µg/L	Acenapthene µg/L	Acenapthylene µg/L	Anthracene µg/L	Fluoranthene µg/L	Fluorene µg/L	Naphthalene µg/L	Phenanthrene 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-1	05/06/08	<50	**260/**<50*	**200/**<100*	--	--	--	--	--	--	--	--	--	--	--
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-2	05/06/08	--	**350/**<50*	**400/**<100*	<4	--	--	--	--	--	--	--	--	--	--
OW-4	11/06/07	<50	**310/**<50*	**100/**<100*	<8	--	--	--	--	--	--	--	--	--	--
OW-4	05/06/08	<50	**640/**<50*	**700/**<100*	--	--	--	--	--	--	--	--	--	--	--
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-5	05/06/08	<50	**610/**<50*	**600/**<100*	<4	--	--	--	--	--	--	--	--	--	--
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-6	05/06/08	**50**	**460/**<50*	**400/**<100*	--	--	--	--	--	--	--	--	--	--	--
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-7	05/06/08	**560**	**610/**<50*	**600/**<100*	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--
OW-8	05/06/08	--	**390/**<50*	**400/**<100*	<4	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	05/06/08	--	--	--	<4	--	--	--	--	--	--	--	--	--	--

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	DIPE 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	<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	<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**	<0.5	**6.0**	ND
OW-1	05/06/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	**1.1**	**1.7**	**15**	**45**	**2.9**	<0.5	<0.5	**4.5**	**6.8**	<0.5	<0.5	ND
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	<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	<0.5	ND
OW-2	11/06/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-2	05/06/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	ND
OW-4	05/06/08	<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	ND
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**	<0.5	**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	<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	<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	ND
OW-5	05/06/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	**1.3**	**8.4**	<0.5	<0.5	<0.5	**2.8**	**1.0**	<0.5	<0.5	ND
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	<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	<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	<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**	<0.5	**5.2**	ND
OW-6	05/06/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<0.5	**1.3**	**11**	**30**	**12**	<0.5	<0.5	**15**	**18.0**	**5.0**	**0.9**	(2)
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**	<0.5	**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	<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	<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**	<0.5	**3.3**	ND
OW-7	05/06/08	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	**34**	**21**	**170**	**820**	**76**	<0.5	<0.5	**10**	**14.0**	**0.6**	**0.6**	ND
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	<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	<0.5	ND
OW-8	11/06/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW-8	05/06/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	<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	<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	<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	ND
FIELD BLANK	05/06/08	<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	ND

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
DIPE = Diisopropyl Ether
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
(2) =1,2-Dichloroethane was detected at 0.5

APPENDIX B

Field Procedures for Low-Flow Purging and Sampling

Innovative Technical Solutions, Inc.

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

Innovative Technical Solutions, Inc.

SPH or Purge Water Drum Log

Client: Geomatrix

Site Address: 4930 Coliseum Way Oakland

STATUS OF DRUM(S) UPON ARRIVAL

Date	12-20-06	4-12-07	11/6/07	05/06/08		
Number of drum(s) empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:			1	1		
Number of drum(s) 3/4 full:	1					
Number of drum(s) full:			2	0		
Total drum(s) on site:	1	0	3	1		
Are the drum(s) properly labeled?	y		Y	y		
Drum ID & Contents:			purge water	purge water		
If any drum(s) are partially or totally filled, what is the first use date:			12/06	—		

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE

Date	12-20-06	4-12-07		05/06/08		
Number of drums empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:	1	1	~~3~~ 0	1		
Number of drum(s) 3/4 full:	1		1			
Number of drum(s) full:			2			
Total drum(s) on site:	2	2	3	1		
Are the drum(s) properly labeled?	y	y	Y	y		
Drum ID & Contents:		purge water	→	—		

LOCATION OF DRUM(S)

Describe location of drum(s):

FINAL STATUS

Number of new drum(s) left on site this event	2 (1.55gl 1.30gl)	2 (55 gl 30gl)	0	1		
Date of inspection:	12-20-06	4-12-07	~~11/6/07~~	05/06/08		
Drum(s) labelled properly:	y	y	Y	y		
Logged by BTS Field Tech:	DW	DW	KF	MD		
Office reviewed by:						

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 4930 Coliseum, Oakland, Ca				PROJECT NUMBER 080506-MD1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. c°	INITIALS
YSI 556	00F1362 A4	05/06/08 645 pH	4.00 7.00 10.00	4.02 7.11 10.21	✓ ✓ ✓	18.3	CMD
↓	↓	cond	3900	3809	✓	↓	↓
↓	↓	ORP	243	245	✓	↓	↓
Hach ~~test~~ turbidimeter	07120C026924	↓	20 100 800	19 101 801	✓ ✓ ✓	18.1	↓

WELL GAUGING DATA

Project # 080506-API Date 05/06/08 Client Geomatrix

Site 4930 Coliseum, Oakland, Ca

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	0829	2					03.39 *	18.10		
OW-2	0847	2					3.17 *	20.22		
OW-4	0833	2					3.29	19.51		
OW-5	0838	2					4.23 *	19.01		
OW-6	0842	2					4.53 *	17.25		
OW-7	0856	2					3.99 *	18.21		
OW-8	0852	2					2.73 *	17.96		
			• (Remove all caps 15 min. prior to gauging)							
			* mean depth to bottom after sampling							

WELLHEAD INSPECTION CHECKLIST

Date 05/06/08 Client Geomatrix

Site Address 4930 Coliseum, Oakland, Ca

Job Number 080506-M1 Technician M. PIERCE

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
OW-1	✓							
OW-2	X							
OW-4	X	✓						
OW-5	✓							
OW-6	X		(Taken @ OW-4)					
OW-7	X							
OW-8	X							

NOTES:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 080506-MD1	Client: Geomatrix
Sampler: MD	Date: 05/06/08
Well I.D.: OW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 18.10	Depth to Water Pre: 03.39 Post: 03.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump — ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: Dedicated Tubing — ~~New Tubing~~ Other ___
Flow Rate: 250 mL/min — Pump Depth: 10.5 ft

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0907	19.38	6.04	987	43	3.35	69.1	—	
0910	19.39	6.24	973	26	4.80	37.2	750	
0913	19.56	6.35	956	19	2.15	15.5	1500	
0916	19.82	6.50	945	10	0.87	-6.7	2250	
0919	19.90	6.50	939	9	0.71	-8.1	3000	

Did well dewater? Yes (No) — Amount actually evacuated: 3,000 mL
Sampling Time: 0927 — Sampling Date: 05/06/08
Sample I.D.: OW-1-0506 2008 — Laboratory: Greek
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 #: 080506-MD1	Client: Geometrix
Sampler: MD	Date: 05/06/08
Well I.D.: OW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 20.22	Depth to Water Pre: 3.17 Post: 3.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

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

Flow Rate: 250 mL/min Pump Depth: 10.5 feet

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1136	21.04	6.59	2588	18	1.27	254.1	—	
1139	21.15	6.69	2594	15	1.06	242.0	750	
1142	21.08	6.73	2621	14	0.72	223.7	1500	
1145	21.04	6.75	2636	10	0.93	205.6	2250	
1148	21.00	6.75	2647	12	0.94	199.7	3000	

Did well dewater? Yes (No) Amount actually evacuated: 3000

Sampling Time: 1159 Sampling Date: 05/06/08

Sample I.D.: OW-2-05062008 Laboratory: Creek

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 #: 070506-M01	Client: Geomatrix
Sampler: MO	Date: 05/06/08
Well I.D.: OW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: ~~19.25~~ 19.51	Depth to Water Pre: 03.29 Post: 03.37
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: 250mL/min | Pump Depth: 12.5 feet

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1359	19.64	6.32	1403	17	2.48	282.1	—	
1402	19.59	6.49	1403	20	1.20	266.4	750	
1405	19.37	6.56	1404	15	0.89	247.2	2250	
1408	19.06	6.56	1405	12	0.77	230.2	3000	
1411	19.07	6.56	1401	11	0.79	225.9	3750	

Did well dewater? Yes (No) | Amount actually evacuated: ~~3750mL~~

Sampling Time: 1421 | Sampling Date: 05/06/08

Sample I.D.: OW-4-05062008 | Laboratory: Creek

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 #: 080506-m01	Client: Geomatrix
Sampler: MD	Date: 05/06/08
Well I.D.: OW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.01	Depth to Water Pre: 09.23 Post: 09.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump — ~~Peristaltic Pump~~ — Bladder Pump
Sampling Method: Dedicated Tubing — New Tubing — Other ___

Flow Rate: 250 mL/min

Pump Depth: 11.5 feet

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1036	20.20	6.38	826	51	1.59	74.1	—	
1039	20.23	6.44	826	30	0.91	70.6	750	
1042	20.39	6.48	815	21	0.60	58.2	1500	
1045	20.43	6.48	805	17	0.45	50.9	2250	
1048	20.50	6.46	802	15	0.43	50.0	3000	

Did well dewater? Yes (No)	Amount actually evacuated: 3000
Sampling Time: 1059	Sampling Date: 05/06/08
Sample I.D.: OW-5-050620 08	Laboratory: Creek
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 #: 080506 -MD1	Client: Geomatrix
Sampler: MD	Date: 05/06/08
Well I.D.: OW-~~4~~ 6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: ~~17.20~~ 19.30	Depth to Water Pre: 09.53 Post: 09.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ Grade	Flow Cell Type: YSI 556

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

Flow Rate: 250 ml/min Pump Depth: 15 feet

Time	Temp. (°C or °F)	pH	Cond. (mS or ~~µS~~)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
0941	18.07	7.00	1156	10	1.56	91.7	—	
0944	18.09	7.03	1157	11	0.88	78.6	750	
0947	18.13	7.08	1161	8	0.41	54.3	1500	
0950	18.17	7.08	1162	9	0.36	49.2	2250	
0953	18.22	7.09	1164	8	0.38	39.1	3000	
0956	18.26	7.09	1165	9	0.32	34.9	3750	
	Well was mislabeled as OW-4 w/ Paint Pen							

Did well dewater? Yes ~~No~~ Amount actually evacuated: 3750mL

Sampling Time: 1012 Sampling Date: 05/06/08

Sample I.D.: OW-6-0506200 Laboratory: Creek

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

~~Equipment~~ Blank I.D.: FB-050620@ Time 1020 Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 080506-MD1	Client: Geomatrix
Sampler: MD	Date: 05/06/08
Well I.D.: OW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 18.21	Depth to Water Pre: 03.99 Post: 09.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___
Flow Rate: 250mL/min Pump Depth: 12.5 feet

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1439	21.25	6.91	859	21	2.30	-16.6	—	
1442	20.61	6.94	831	14	0.49	-18.0	750	
1445	20.12	6.86	827	9	0.35	-18.9	1500	
1448	20.20	6.84	824	10	0.27	-19.3	2250	
1451	20.19	6.85	823	11	0.27	-18.6	3000	
			MS/MSD on this well				(9 VOA, 3 Amber, 1 poly)	

Did well dewater? Yes (No) Amount actually evacuated: 3000
Sampling Time: 1507 Sampling Date: 05/06/08
Sample I.D.: OW-7-05062008 Laboratory: Creek
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 #: 080506-MD1	Client: Geomatrix
Sampler: MD	Date: 05/06/08
Well I.D.: OW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 17.96	Depth to Water Pre: 02.73 Post: 02.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: ~~PVC~~ Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ Bladder Pump
Sampling Method: Dedicated Tubing ~~New Tubing~~ Other ___

Flow Rate: 250 mL/min Pump Depth: 13.0 feet

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Observations
1226	20.47	6.53	1240	7	3.10	194.3	—	
1229	20.42	6.56	1233	4	1.92	185.0	750	
1232	20.37	6.57	1213	8	1.11	174.4	1500	
1235	20.31	6.57	1201	9	0.80	169.3	2250	
1238	20.28	6.56	1189	8	0.65	159.3	3000	

Did well dewater? Yes ~~No~~ Amount actually evacuated: 3000 mL/min

Sampling Time: 1249 Sampling Date: 05/06/08

Sample I.D.: OW-8-0506200 Laboratory: Cheek

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

Innovative Technical Solutions, Inc.

P2379

BLAINE TECH SERVICES, INC.

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

CHAIN OF CUSTODY
BTS # 080506-MD1

CLIENT: Geomatrix
SITE: PG&E
4930 Coliseum Wy.
Oakland, CA

LAB: Creek lab | DHS #

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

SPECIAL INSTRUCTIONS: 4°C

Invoice to : Geomatrix
Report to :Geomatrix Attn:Jonathan Skaggs jskaggs@geomatrix.com
Project: PG&E Coliseum Wy.
**TPH-D and Motor Oil require silica gel cleanup

CONDUCT ANALYSIS TO DETECT (C = COMPOSITE ALL CONTAINERS):
- ~~TPH-G (8015M)~~ — Canceled per J Skaggs e-mail
- ~~BTEX (8260B)~~ — Canceled per J Skaggs e-mail
- TPH-D (8015M) * with and w/o silica gel
- TPH-D (8015M) Motor Oil * 5/12/08 per J. Skaggs
- Diss Pb (field filtered)
- Added per Jonathan Skaggs phone 5/12/08: TPH-G (8015m)
- 8260 + oxy's — Added per J. Skaggs e-mail

SAMPLE I.D.	DATE	TIME	MATRIX (S= SOIL W=H2O)	CONTAINERS TOTAL	~~TPH-G (8015M)~~	~~BTEX (8260B)~~	TPH-D (8015M)	TPH-D (8015M) Motor Oil	Diss Pb	TPH-G (8015m)	8260 + oxy's	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
OW-1-05062008	05/06/08	0927	W	8	X	X	X	X		X	X	VV HCl A,B,C, D,E,F P HNO3 250ml G AG H2SO4 Litre H			6413
OW-2-05062008	↓	1159	W	8	X	X	X	X	X						6414
OW-4-05062008	↓	1421	W	8	X	X	X	X		X	X		↓		6415
OW-5-05062008	↓	1059	W	8	X	X	X	X	X	X	X				6416
OW-6-05062008	↓	1012	W	8	X	X	X	X		X	X				6417
OW-7-05062008	↓	1507	W	13	X	X	X	X		X	X	MS/MSD VV HCl A-I P HNO3 - J	AG H2SO4 K,L,	Litre M	6418
OW-8-05062008	↓	1249	W	8	X	X	X	X	X			VV HCl A,B,C, P HNO3 250ml	D,E,F G AG H2SO4	Litre H	6419
FB-05062008	↓	1020	W	4	X	X	~~X~~	~~X~~	X		X	VV HCl A,B,C P HNO3 250ml D			6420

TPH-D canceled no 1L Ag rec'd for TPH-D

SAMPLING COMPLETED: DATE 05/06/08 TIME 1530
SAMPLING PERFORMED BY: M. Pierce
RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature] (Sample custodian)	05/06/08	1645	[signature]	05/08/08	1637
			[signature]	5/7/08	10:00

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

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CASE NARRATIVE P2379

Client: Geomatrix
Sample(s): 08-C6413 to 08-C6420

Samples 08-C6413 to 08-C6420 were received at the laboratory with no anomaly except the following remark:

- There was no 1-L amber glass container received for sample 08-C6420 (FB-05062008) for the requested TPH-d/mo analysis, which was subsequently cancelled for the sample.
- The COC was amended per client's request to cancel TPH/BTEX for all samples, but added TPH-g, full list VOC + oxygenates, and dissolved Lead to selected samples. Additionally, TPH-d/mo analysis was to be performed with and without silica gel treatment.

VOC was analyzed by GC/MS method (EPA 8260B) coupled with PAT (EPA 5030B). TPH-gasoline was analyzed by GC/FID method (EPA 8015M) coupled with PAT (EPA 5030B). TPH-diesel/motor oil was extracted with liquid-liquid extraction (EPA 3510C), and the extract was split to be treated with or without silica gel. The extracts were analyzed separately by GC/FID method (EPA 8015M). Dissolved Lead was field filtered and analyzed directly by ICP-MS method (EPA 6020).

All samples were extracted and analyzed within holding time. There was no analytical anomaly.

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: 08-C6413
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-1-05062008	M. Pierce	05/06/08@09:27	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	05/12/08	05/12/08	7802
TPH as Diesel	0.26	0.05	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Gasoline	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/13/08		7458
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Methyl t-Butyl Ether (MTBE)	0.6	0.5	1	ug/L	EPA 8260	05/19/08		7609
t-Amyl Methyl Ether (TAME)	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
t-Butyl Alcohol (TBA)	Not Detected	2	1	ug/L	EPA 8260	05/19/08		7609
Diisopropyl Ether (DIPE)	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Ethyl t-Butyl Ether (ETBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Chlorobenzene	2.9	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2-Dichlorobenzene	1.7	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,3-Dichlorobenzene	15	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,4-Dichlorobenzene	45	5	10	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6413
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-1-05062008	M. Pierce	05/06/08@09:27	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	05/19/08		7609
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	05/19/08		7609
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,1-Dichloroethane	4.5	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,1-Dichloroethene	6.8	0.5	1	ug/L	EPA 8260	05/19/08		7609
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Methylene Chloride	Not Detected	5	1	ug/L	EPA 8260	05/19/08		7609
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	05/19/08		7609
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6413
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-1-05062008	M. Pierce	05/06/08@09:27	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2,4-Trichlorobenzene	1.1	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	05/19/08		7609

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
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Log Number: 08-C6414
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

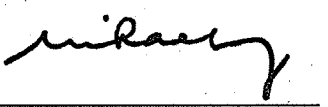
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-2-05062008	M. Pierce	05/06/08@11:59	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.4	0.1	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel	0.35	0.05	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
Lead, Dissolved	Not Detected	0.004	1	mg/L	EPA 6020	05/12/08		7381

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: 08-C6415
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-4-05062008	M. Pierce	05/06/08@14:21	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.7	0.1	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel	0.64	0.05	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Gasoline	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/13/08		7458
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Amyl Methyl Ether (TAME)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butyl Alcohol (TBA)	Not Detected	2	1	ug/L	EPA 8260	05/16/08		7573
Diisopropyl Ether (DIPE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethyl t-Butyl Ether (ETBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,4-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6415
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-4-05062008	M. Pierce	05/06/08@14:21	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	05/16/08		7573
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	05/16/08		7573
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methylene Chloride	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6415
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

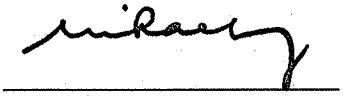
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-4-05062008	M. Pierce	05/06/08@14:21	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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: 08-C6416
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-5-05062008	M. Pierce	05/06/08@10:59	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.6	0.1	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel	0.61	0.05	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Gasoline	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/13/08		7458
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Amyl Methyl Ether (TAME)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butyl Alcohol (TBA)	Not Detected	2	1	ug/L	EPA 8260	05/16/08		7573
Diisopropyl Ether (DIPE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethyl t-Butyl Ether (ETBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichlorobenzene	1.3	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,4-Dichlorobenzene	8.4	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6416
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-5-05062008	M. Pierce	05/06/08@10:59	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	05/16/08		7573
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	05/16/08		7573
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethane	2.8	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethene	1.0	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methylene Chloride	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6416
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

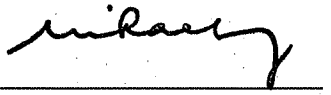
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-5-05062008	M. Pierce	05/06/08@10:59	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Lead, Dissolved	Not Detected	0.004	1	mg/L	EPA 6020	05/12/08		7381

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
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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6417
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-6-05062008	M. Pierce	05/06/08@10:12	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.4	0.1	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel	0.46	0.05	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Gasoline	0.05	0.05	1	mg/L	EPA 8015/LUFT	05/13/08		7458
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Amyl Methyl Ether (TAME)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butyl Alcohol (TBA)	Not Detected	2	1	ug/L	EPA 8260	05/16/08		7573
Diisopropyl Ether (DIPE)	5.0	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethyl t-Butyl Ether (ETBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chlorobenzene	12	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichlorobenzene	1.3	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichlorobenzene	11	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,4-Dichlorobenzene	30	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6417
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-6-05062008	M. Pierce	05/06/08@10:12	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	05/16/08		7573
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	05/16/08		7573
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethane	15	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethene	18	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methylene Chloride	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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

Log Number: 08-C6417
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

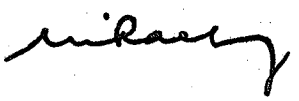
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-6-05062008	M. Pierce	05/06/08@10:12	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Vinyl Chloride	0.9	0.5	1	ug/L	EPA 8260	05/16/08		7573

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: 08-C6418
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-7-05062008	M. Pierce	05/06/08@15:07	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.6	0.1	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel	0.61	0.05	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Gasoline	0.56	0.05	1	mg/L	EPA 8015/LUFT	05/13/08		7458
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Amyl Methyl Ether (TAME)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butyl Alcohol (TBA)	Not Detected	2	1	ug/L	EPA 8260	05/16/08		7573
Diisopropyl Ether (DIPE)	0.6	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethyl t-Butyl Ether (ETBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chlorobenzene	76	5	10	ug/L	EPA 8260	05/16/08		7573
1,2-Dichlorobenzene	21	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichlorobenzene	170	5	10	ug/L	EPA 8260	05/16/08		7573
1,4-Dichlorobenzene	820	20	50	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloroethane (EDC)	0.5	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6418
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-7-05062008	M. Pierce	05/06/08@15:07	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	05/16/08		7573
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	05/16/08		7573
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethane	10	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethene	14	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methylene Chloride	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6418
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-7-05062008	M. Pierce	05/06/08@15:07	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trichlorobenzene	34	5	10	ug/L	EPA 8260	05/16/08		7573
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Vinyl Chloride	0.6	0.5	1	ug/L	EPA 8260	05/16/08		7573

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: 08-C6419
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

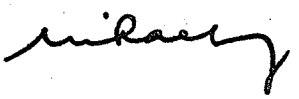
REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
OW-8-05062008	M. Pierce	05/06/08@12:49	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
TPH as Motor Oil	0.4	0.1	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel	0.39	0.05	1	mg/L	EPA 8015/LUFT	05/12/08	05/12/08	7802
TPH as Diesel, SGT	Not Detected	0.05	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
TPH as Motor Oil, SGT	Not Detected	0.1	1	mg/L	EPA 8015/LUFT	05/22/08	05/12/08	7803
Lead, Dissolved	Not Detected	0.004	1	mg/L	EPA 6020	05/12/08		7381

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: 08-C6420
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
FB-05062008	M. Pierce	05/06/08@10:20	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Toluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
m,p-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
o-Xylene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methyl t-Butyl Ether (MTBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Amyl Methyl Ether (TAME)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butyl Alcohol (TBA)	Not Detected	2	1	ug/L	EPA 8260	05/16/08		7573
Diisopropyl Ether (DIPE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Ethyl t-Butyl Ether (ETBE)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,4-Dichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloroethane (EDC)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromoethane (EDB)	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromodichloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromoform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Bromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
n-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
sec-Butyl Benzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
t-Butylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Carbon Tetrachloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2-Chloroethylvinyl ether	Not Detected	20	1	ug/L	EPA 8260	05/16/08		7573
Chloroform	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Chloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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Jonathan Skaggs
Geomatrix
2101 Webster St.
Oakland, CA 94612

Log Number: 08-C6420
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
FB-05062008	M. Pierce	05/06/08@10:20	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
2-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Chlorotoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dibromo-3-Chloropropane	Not Detected	1	1	ug/L	EPA 8260	05/16/08		7573
Dibromochloromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dibromomethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Dichlorodifluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,2-Dichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,2-Dichloethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
2,2-Dichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
cis-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
trans-1,3-Dichloropropene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Hexachlorobutadiene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Isopropylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
4-Isopropyltoluene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Methylene Chloride	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
Naphthalene	Not Detected	5	1	ug/L	EPA 8260	05/16/08		7573
n-Propylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Styrene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,2,2-Tetrachloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Tetrachloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trichlorobenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,1,1-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573

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

Log Number: 08-C6420
Order: P2379
Project: PG&E Coliseum Wy.
Received: 05/07/08
Printed: 05/23/08

REPORT OF ANALYTICAL RESULTS

Sample Description	Sampled By	Sampled Date @ Time	Matrix
FB-05062008	M. Pierce	05/06/08@10:20	Aqueous

Analyte	Result	DLR	Dilution Factor	Units	Method	Date Analyzed	Date Prepared	Batch
1,1,2-Trichloroethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichloroethene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Trichlorofluoromethane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,3-Trichloropropane	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,2,4-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
1,3,5-Trimethylbenzene	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Vinyl Chloride	Not Detected	0.5	1	ug/L	EPA 8260	05/16/08		7573
Lead, Dissolved	Not Detected	0.004	1	mg/L	EPA 6020	05/12/08		7381

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

Quality Control Results

Order No.: P2379
Laboratory Reagent Blank

Analyte	Method	Results	Units	Batch
TPH as Motor Oil	EPA 8015/LUFT	< 0.1	mg/L	7802
TPH as Diesel	EPA 8015/LUFT	< 0.05	mg/L	7802
TPH as Diesel, SGT	EPA 8015/LUFT	< 0.05	mg/L	7803
TPH as Motor Oil, SGT	EPA 8015/LUFT	< 0.1	mg/L	7803
TPH as Gasoline	EPA 8015/LUFT	< 0.05	mg/L	7458
Benzene	EPA 8260	< 0.5	ug/L	7573
Benzene	EPA 8260	< 0.5	ug/L	7609
Toluene	EPA 8260	< 0.5	ug/L	7573
Toluene	EPA 8260	< 0.5	ug/L	7609
Ethylbenzene	EPA 8260	< 0.5	ug/L	7573
Ethylbenzene	EPA 8260	< 0.5	ug/L	7609
m,p-Xylene	EPA 8260	< 0.5	ug/L	7573
m,p-Xylene	EPA 8260	< 0.5	ug/L	7609
o-Xylene	EPA 8260	< 0.5	ug/L	7573
o-Xylene	EPA 8260	< 0.5	ug/L	7609
Methyl t-Butyl Ether (MTBE)	EPA 8260	< 0.5	ug/L	7573
Methyl t-Butyl Ether (MTBE)	EPA 8260	< 0.5	ug/L	7609
t-Amyl Methyl Ether (TAME)	EPA 8260	< 0.5	ug/L	7573
t-Amyl Methyl Ether (TAME)	EPA 8260	< 0.5	ug/L	7609
t-Butyl Alcohol (TBA)	EPA 8260	< 2.5	ug/L	7573
t-Butyl Alcohol (TBA)	EPA 8260	< 2.5	ug/L	7609
Diisopropyl Ether (DIPE)	EPA 8260	< 0.5	ug/L	7573
Diisopropyl Ether (DIPE)	EPA 8260	< 0.5	ug/L	7609
Ethyl t-Butyl Ether (ETBE)	EPA 8260	< 0.5	ug/L	7573
Ethyl t-Butyl Ether (ETBE)	EPA 8260	< 0.5	ug/L	7609
Chlorobenzene	EPA 8260	< 0.5	ug/L	7573
Chlorobenzene	EPA 8260	< 0.5	ug/L	7609
1,2-Dichlorobenzene	EPA 8260	< 0.5	ug/L	7573
1,2-Dichlorobenzene	EPA 8260	< 0.5	ug/L	7609
1,3-Dichlorobenzene	EPA 8260	< 0.5	ug/L	7573
1,3-Dichlorobenzene	EPA 8260	< 0.5	ug/L	7609
1,4-Dichlorobenzene	EPA 8260	< 0.5	ug/L	7573
1,2-Dichloroethane (EDC)	EPA 8260	< 0.5	ug/L	7573
1,2-Dichloroethane (EDC)	EPA 8260	< 0.5	ug/L	7609
1,2-Dibromoethane (EDB)	EPA 8260	< 0.5	ug/L	7573
1,2-Dibromoethane (EDB)	EPA 8260	< 0.5	ug/L	7609
Bromobenzene	EPA 8260	< 0.5	ug/L	7573
Bromobenzene	EPA 8260	< 0.5	ug/L	7609
Bromochloromethane	EPA 8260	< 0.5	ug/L	7573
Bromochloromethane	EPA 8260	< 0.5	ug/L	7609
Bromodichloromethane	EPA 8260	< 0.5	ug/L	7573
Bromodichloromethane	EPA 8260	< 0.5	ug/L	7609
Bromoform	EPA 8260	< 0.5	ug/L	7573
Bromoform	EPA 8260	< 0.5	ug/L	7609
Bromomethane	EPA 8260	< 0.5	ug/L	7573

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Quality Control Results

Order No.: P2379

Laboratory Reagent Blank (continued)

Analyte	Method	Result	Units	Batch
Bromomethane	EPA 8260	< 0.5	ug/L	7609
n-Butylbenzene	EPA 8260	< 0.5	ug/L	7573
n-Butylbenzene	EPA 8260	< 0.5	ug/L	7609
sec-Butyl Benzene	EPA 8260	< 0.5	ug/L	7573
sec-Butyl Benzene	EPA 8260	< 0.5	ug/L	7609
t-Butylbenzene	EPA 8260	< 0.5	ug/L	7573
t-Butylbenzene	EPA 8260	< 0.5	ug/L	7609
Carbon Tetrachloride	EPA 8260	< 0.5	ug/L	7573
Carbon Tetrachloride	EPA 8260	< 0.5	ug/L	7609
Chloroethane	EPA 8260	< 0.5	ug/L	7573
Chloroethane	EPA 8260	< 0.5	ug/L	7609
2-Chloroethylvinyl ether	EPA 8260	< 20	ug/L	7573
2-Chloroethylvinyl ether	EPA 8260	< 20	ug/L	7609
Chloroform	EPA 8260	< 0.5	ug/L	7573
Chloroform	EPA 8260	< 0.5	ug/L	7609
Chloromethane	EPA 8260	< 0.5	ug/L	7573
Chloromethane	EPA 8260	< 0.5	ug/L	7609
2-Chlorotoluene	EPA 8260	< 0.5	ug/L	7573
2-Chlorotoluene	EPA 8260	< 0.5	ug/L	7609
4-Chlorotoluene	EPA 8260	< 0.5	ug/L	7573
4-Chlorotoluene	EPA 8260	< 0.5	ug/L	7609
1,2-Dibromo-3-Chloropropane	EPA 8260	< 1	ug/L	7573
1,2-Dibromo-3-Chloropropane	EPA 8260	< 1	ug/L	7609
Dibromochloromethane	EPA 8260	< 0.5	ug/L	7573
Dibromochloromethane	EPA 8260	< 0.5	ug/L	7609
Dibromomethane	EPA 8260	< 0.5	ug/L	7573
Dibromomethane	EPA 8260	< 0.5	ug/L	7609
Dichlorodifluoromethane	EPA 8260	< 0.5	ug/L	7573
Dichlorodifluoromethane	EPA 8260	< 0.5	ug/L	7609
1,1-Dichloroethane	EPA 8260	< 0.5	ug/L	7573
1,1-Dichloroethane	EPA 8260	< 0.5	ug/L	7609
1,1-Dichloroethene	EPA 8260	< 0.5	ug/L	7573
1,1-Dichloroethene	EPA 8260	< 0.5	ug/L	7609
cis-1,2-Dichloroethene	EPA 8260	< 0.5	ug/L	7573
cis-1,2-Dichloroethene	EPA 8260	< 0.5	ug/L	7609
trans-1,2-Dichloethene	EPA 8260	< 0.5	ug/L	7573
trans-1,2-Dichloethene	EPA 8260	< 0.5	ug/L	7609
1,2-Dichloropropane	EPA 8260	< 0.5	ug/L	7573
1,2-Dichloropropane	EPA 8260	< 0.5	ug/L	7609
1,3-Dichloropropane	EPA 8260	< 0.5	ug/L	7573
1,3-Dichloropropane	EPA 8260	< 0.5	ug/L	7609
2,2-Dichloropropane	EPA 8260	< 0.5	ug/L	7573
2,2-Dichloropropane	EPA 8260	< 0.5	ug/L	7609
1,1-Dichloropropene	EPA 8260	< 0.5	ug/L	7573

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Order No.: P2379

Laboratory Reagent Blank (continued)

Analyte	Method	Result	Units	Batch
1,1-Dichloropropene	EPA 8260	< 0.5	ug/L	7609
cis-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	7573
cis-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	7609
trans-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	7573
trans-1,3-Dichloropropene	EPA 8260	< 0.5	ug/L	7609
Hexachlorobutadiene	EPA 8260	< 0.5	ug/L	7573
Hexachlorobutadiene	EPA 8260	< 0.5	ug/L	7609
Isopropylbenzene	EPA 8260	< 0.5	ug/L	7573
Isopropylbenzene	EPA 8260	< 0.5	ug/L	7609
4-Isopropyltoluene	EPA 8260	< 0.5	ug/L	7573
4-Isopropyltoluene	EPA 8260	< 0.5	ug/L	7609
Methylene Chloride	EPA 8260	< 5	ug/L	7573
Methylene Chloride	EPA 8260	< 5	ug/L	7609
Naphthalene	EPA 8260	< 5	ug/L	7573
Naphthalene	EPA 8260	< 5	ug/L	7609
n-Propylbenzene	EPA 8260	< 0.5	ug/L	7573
n-Propylbenzene	EPA 8260	< 0.5	ug/L	7609
Styrene	EPA 8260	< 0.5	ug/L	7573
Styrene	EPA 8260	< 0.5	ug/L	7609
1,1,1,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	7573
1,1,1,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	7609
1,1,2,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	7573
1,1,2,2-Tetrachloroethane	EPA 8260	< 0.5	ug/L	7609
Tetrachloroethene	EPA 8260	< 0.5	ug/L	7573
Tetrachloroethene	EPA 8260	< 0.5	ug/L	7609
1,2,3-Trichlorobenzene	EPA 8260	< 0.5	ug/L	7573
1,2,3-Trichlorobenzene	EPA 8260	< 0.5	ug/L	7609
1,2,4-Trichlorobenzene	EPA 8260	< 0.5	ug/L	7573
1,2,4-Trichlorobenzene	EPA 8260	< 0.5	ug/L	7609
1,1,1-Trichloroethane	EPA 8260	< 0.5	ug/L	7573
1,1,1-Trichloroethane	EPA 8260	< 0.5	ug/L	7609
1,1,2-Trichloroethane	EPA 8260	< 0.5	ug/L	7573
1,1,2-Trichloroethane	EPA 8260	< 0.5	ug/L	7609
Trichloroethene	EPA 8260	< 0.5	ug/L	7573
Trichloroethene	EPA 8260	< 0.5	ug/L	7609
Trichlorofluoromethane	EPA 8260	< 0.5	ug/L	7573
Trichlorofluoromethane	EPA 8260	< 0.5	ug/L	7609
1,2,3-Trichloropropane	EPA 8260	< 0.5	ug/L	7573
1,2,3-Trichloropropane	EPA 8260	< 0.5	ug/L	7609
1,2,4-Trimethylbenzene	EPA 8260	< 0.5	ug/L	7573
1,2,4-Trimethylbenzene	EPA 8260	< 0.5	ug/L	7609
1,3,5-Trimethylbenzene	EPA 8260	< 0.5	ug/L	7573
1,3,5-Trimethylbenzene	EPA 8260	< 0.5	ug/L	7609
Vinyl Chloride	EPA 8260	< 0.5	ug/L	7573

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Order No.: P2379

Laboratory Reagent Blank (continued)

Analyte	Method	Result	Units	Batch
Vinyl Chloride	EPA 8260	< 0.5	ug/L	7609
Lead, Dissolved	EPA 6020	< 0.004	mg/L	7381

Laboratory Known Analysis (LCS)

Analyte	Method	Recovery	Spike Amount	Units	Recovery Limits	Batch
TPH as Diesel	EPA 8015/LUFT	81%	5.0	mg/L	50 - 150	7802
TPH as Diesel, SGT	EPA 8015/LUFT	64%	5.0	mg/L	50 - 150	7803
TPH as Gasoline	EPA 8015/LUFT	72%	0.5	mg/L	60 - 140	7458
Benzene	EPA 8260	100%	10	ug/L	80 - 115	7573
Benzene	EPA 8260	90%	10	ug/L	80 - 115	7609
Toluene	EPA 8260	99%	10	ug/L	82 - 115	7573
Toluene	EPA 8260	96%	10	ug/L	82 - 115	7609
Chlorobenzene	EPA 8260	102%	10	ug/L	81 - 115	7573
Chlorobenzene	EPA 8260	101%	10	ug/L	81 - 115	7609
1,1-Dichloroethene	EPA 8260	117%	10	ug/L	63 - 129	7573
1,1-Dichloroethene	EPA 8260	91%	10	ug/L	63 - 129	7609
Trichloroethene	EPA 8260	100%	10	ug/L	77 - 117	7573
Trichloroethene	EPA 8260	98%	10	ug/L	77 - 117	7609
Lead, Dissolved	EPA 6020	97%	0.2	mg/L	75 - 125	7381

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	78%	73%	6	08-C6418	5.0	mg/L	50 - 150	30	7802
TPH as Diesel, SGT	EPA 8015/LUFT	58%	62%	7	08-C6418	5.0	mg/L	50 - 150	30	7803
TPH as Gasoline	EPA 8015/LUFT	78%	104%	29	08-C6416	0.5	mg/L	60 - 140	30	7458
Benzene	EPA 8260	91%	92%	1	08-C6408	10	ug/L	80 - 122	20	7573
Toluene	EPA 8260	88%	89%	1	08-C6408	10	ug/L	79 - 125	20	7573
Lead, Dissolved	EPA 6020	103%	103%	0	08-C6414	0.1	mg/L	75 - 125	20	7381

Sample Duplicate

Analyte	Method	Sample ID	Sample Value	Sample Duplicate	RPD	Units	RPD Limit	Batch
Ethylbenzene	EPA 8260	08-C6610	74	72	3	ug/L	20.	7609

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Surrogate Report

Sample Number	Batch	Method	Surrogate	% Recovery	QC Limits
08-C6413	7609	EPA 8260	Dibromofluoromethane	104.	81-123
08-C6413	7609	EPA 8260	Toluene-d8	96.	78-116
08-C6413	7609	EPA 8260	4-BFB	94.	60-116
08-C6413	7802	EPA 8015M (C12-C40)	Hexacosane	86.	50-150
08-C6413	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	106.	50-150
08-C6413	7609	EPA 8260	1,2-Dichloroethane-d4	108.	70-130
08-C6413	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	71.	50-150
08-C6414	7802	EPA 8015M (C12-C40)	Hexacosane	79.	50-150
08-C6414	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	67.	50-150
08-C6415	7573	EPA 8260	Dibromofluoromethane	99.	81-123
08-C6415	7573	EPA 8260	Toluene-d8	97.	78-116
08-C6415	7573	EPA 8260	4-BFB	94.	60-116
08-C6415	7802	EPA 8015M (C12-C40)	Hexacosane	86.	50-150
08-C6415	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	104.	50-150
08-C6415	7573	EPA 8260	1,2-Dichloroethane-d4	104.	70-130
08-C6415	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	73.	50-150
08-C6416	7573	EPA 8260	Dibromofluoromethane	100.	81-123
08-C6416	7573	EPA 8260	Toluene-d8	97.	78-116
08-C6416	7573	EPA 8260	4-BFB	95.	60-116
08-C6416	7802	EPA 8015M (C12-C40)	Hexacosane	85.	50-150
08-C6416	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	103.	50-150
08-C6416	7573	EPA 8260	1,2-Dichloroethane-d4	100.	70-130
08-C6416	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	65.	50-150
08-C6417	7573	EPA 8260	Dibromofluoromethane	100.	81-123
08-C6417	7573	EPA 8260	Toluene-d8	96.	78-116
08-C6417	7573	EPA 8260	4-BFB	91.	60-116
08-C6417	7802	EPA 8015M (C12-C40)	Hexacosane	86.	50-150
08-C6417	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	106.	50-150
08-C6417	7573	EPA 8260	1,2-Dichloroethane-d4	100.	70-130
08-C6417	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	60.	50-150
08-C6418	7573	EPA 8260	Dibromofluoromethane	100.	81-123
08-C6418	7573	EPA 8260	Toluene-d8	92.	78-116
08-C6418	7573	EPA 8260	4-BFB	81.	60-116
08-C6418	7802	EPA 8015M (C12-C40)	Hexacosane	83.	50-150
08-C6418	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	105.	50-150
08-C6418	7573	EPA 8260	1,2-Dichloroethane-d4	98.	70-130
08-C6418	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	64.	50-150
08-C6419	7802	EPA 8015M (C12-C40)	Hexacosane	85.	50-150
08-C6419	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	61.	50-150
08-C6420	7573	EPA 8260	Dibromofluoromethane	102.	81-123
08-C6420	7573	EPA 8260	Toluene-d8	97.	78-116
08-C6420	7573	EPA 8260	4-BFB	97.	60-116
08-C6420	7573	EPA 8260	1,2-Dichloroethane-d4	104.	70-130
blank	7573	EPA 8260	Dibromofluoromethane	101.	81-123
blank	7609	EPA 8260	Dibromofluoromethane	103.	81-123
LCS	7573	EPA 8260	Dibromofluoromethane	99.	81-123

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Surrogate Report

Sample Number	Batch	Method	Surrogate	% Recovery	QC Limits
LCS	7609	EPA 8260	Dibromofluoromethane	98.	81-123
08-C6408 MS	7573	EPA 8260	Dibromofluoromethane	99.	81-123
08-C6408 MSD	7573	EPA 8260	Dibromofluoromethane	99.	81-123
blank	7573	EPA 8260	Toluene-d8	96.	78-116
blank	7609	EPA 8260	Toluene-d8	95.	78-116
LCS	7573	EPA 8260	Toluene-d8	98.	78-116
LCS	7609	EPA 8260	Toluene-d8	96.	78-116
08-C6408 MS	7573	EPA 8260	Toluene-d8	99.	78-116
08-C6408 MSD	7573	EPA 8260	Toluene-d8	99.	78-116
blank	7573	EPA 8260	4-BFB	101.	60-116
blank	7609	EPA 8260	4-BFB	99.	60-116
LCS	7573	EPA 8260	4-BFB	101.	60-116
LCS	7609	EPA 8260	4-BFB	98.	60-116
08-C6408 MS	7573	EPA 8260	4-BFB	98.	60-116
08-C6408 MSD	7573	EPA 8260	4-BFB	99.	60-116
blank	7802	EPA 8015M (C12-C40)	Hexacosane	90.	50-150
LCS	7802	EPA 8015M (C12-C40)	Hexacosane	93.	50-150
08-C6418 MS	7802	EPA 8015M (C12-C40)	Hexacosane	90.	50-150
08-C6418 MSD	7802	EPA 8015M (C12-C40)	Hexacosane	79.	50-150
blank	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	97.	50-150
LCS	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	99.	50-150
08-C6416 MS	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	110.	50-150
08-C6416 MSD	7458	EPA 8015M (Gasoline)	a,a,a-Trifluorotoluene	125.	50-150
blank	7573	EPA 8260	1,2-Dichloroethane-d4	103.	70-130
blank	7609	EPA 8260	1,2-Dichloroethane-d4	108.	70-130
LCS	7573	EPA 8260	1,2-Dichloroethane-d4	98.	70-130
LCS	7609	EPA 8260	1,2-Dichloroethane-d4	100.	70-130
08-C6408 MS	7573	EPA 8260	1,2-Dichloroethane-d4	92.	70-130
08-C6408 MSD	7573	EPA 8260	1,2-Dichloroethane-d4	93.	70-130
blank	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	68.	50-150
LCS	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	70.	50-150
08-C6418 MS	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	62.	50-150
08-C6418 MSD	7803	EPA 8015M (C12-C40)	Hexacosane.Silica Gel	59.	50-150