

# *Advanced* GeoEnvironmental, Inc.



14 November 2008  
AGE-NC Project No. 03-1101

Mr. Reed Rinehart  
Rinehart Oil Inc.  
2401 North State Street  
Ukiah, California 95482

**RECEIVED**

9:29 am, Dec 02, 2008

Alameda County  
Environmental Health

**Subject: Quarterly Report - Third Quarter 2008  
RINEHART OIL, INC. - OAKLAND TRUCK STOP  
1107 5<sup>th</sup> Street, Oakland, California**

Dear Mr. Rinehart:

*Advanced* GeoEnvironmental, Inc. has prepared the enclosed *Quarterly Report - Third Quarter 2008* for the above-referenced site. The scope of work included monitoring of the on-site ozone sparge remediation system, performance of the July 2008 ground water monitoring event and preparation of this report. Copies of the this report will be provided to Alameda County Environmental Health Services (ACEHS).

The opportunity to provide this service is greatly appreciated. If you have any questions or require further information, please contact our office at (800) 511-9300.

Sincerely,

***Advanced* GeoEnvironmental, Inc.**

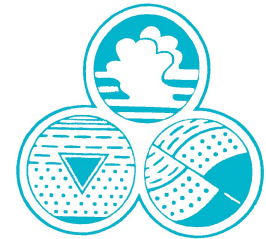


Shawn Agarwal  
Staff Geologist

Enclosure

cc: Mr. Jerry Wickham - ACEHS

*Advanced*  
GeoEnvironmental, Inc.



14 November 2008  
AGE-NC Project No. 03-1101

Mr. Jerry Wickham  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Subject:       Quarterly Report - Third Quarter 2008**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5<sup>th</sup> Street, Oakland, California**

Dear Mr. Wickham:

At the request of Mr. Reed Rinehart of RinoPacific, Inc., *Advanced GeoEnvironmental, Inc.* has prepared the enclosed *Quarterly Report - Third Quarter 2008* for the above-referenced site. The scope of work included monitoring of the on-site ozone sparge remediation system, performance of the July 2008 ground water monitoring event and preparation of this report.

If you have any questions or require further information, please contact our office at (800) 511-9300.

Sincerely,

***Advanced GeoEnvironmental, Inc.***

*Shawn Agarwal*

Shawn Agarwal  
Staff Geologist

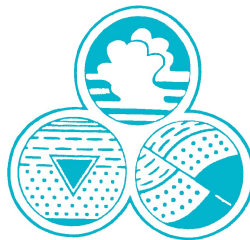
**Quarterly Report - Third Quarter 2008**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5<sup>th</sup> Street, Oakland, California**

14 November 2008  
AGE-NC Project No. 03-1101

*PREPARED FOR:*

Mr. Reed Rinehart  
RINEHART OIL, INC.

*PREPARED BY:*

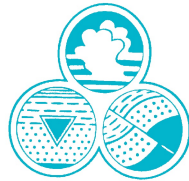


***Advanced GeoEnvironmental, Inc.***

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**Quarterly Report - Third Quarter 2008**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5<sup>th</sup> Street, Oakland, California**

14 November 2008  
AGE-NC Project No. 03-1101



**Advanced GeoEnvironmental, Inc.**  
**837 Shaw Road, Stockton, California**

**PREPARED BY:**

*Shawn Agarwal*

Shawn K. Agarwal  
Staff Geologist

**PROJECT MANAGER:**

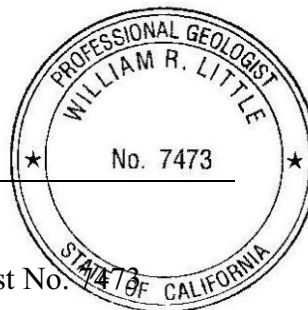
*Shawn Agarwal*

Shawn K. Agarwal  
Staff Geologist

**REVIEWED BY:**

*William R Little*

William R. Little  
Senior Project Geologist  
California Professional Geologist No.



**Quarterly Report - Third Quarter 2008**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5<sup>th</sup> Street, Oakland, California**

**TABLE OF CONTENTS**

<b><u>SECTION</u></b>	<b><u>PAGE</u></b>
<b>1.0. INTRODUCTION.....</b>	<b>1</b>
<b>2.0. PROCEDURES. ....</b>	<b>1</b>
<b>3.0. FINDINGS. ....</b>	<b>1</b>
3.1. GROUND WATER FLOW DIRECTION AND GRADIENT. ....	1
3.2. GROUND WATER ANALYTICAL RESULTS. ....	2
3.3. OZONE SPARGING REMEDIATION.. ....	3
<b>4.0. CONCLUSIONS. ....</b>	<b>3</b>
<b>5.0. RECOMMENDATIONS.....</b>	<b>4</b>
<b>6.0. LIMITATIONS. ....</b>	<b>4</b>

**FIGURES**

- Figure 1 - *Location Map*
- Figure 2 - *Site Plan*
- Figure 3 - *Ground Water Elevation Contour Map*
- Figure 4 - *Dissolved TPH-g*
- Figure 5 - *Dissolved TPH-d*
- Figure 6 - *Dissolved MTBE*

**TABLES**

- Table 1 - *Ground Water Elevation Data*
- Table 2 - *Analytical Results of Ground Water Samples*
- Table 3 - *Geochemical Parameters*
- Table 4 - *Ozone System Operation and Maintenance*

**Quarterly Report - Third Quarter 2008**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5<sup>th</sup> Street, Oakland, California**

**APPENDICES**

*Appendix A - Site Background Information*

*Appendix B - Monitoring and Sampling Procedures*

*Appendix C - Field Logs*

*Appendix D - Cal Tech Laboratory Report*

**Quarterly Report - Third Quarter 2008**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5<sup>th</sup> Street, Oakland, California**

**1.0. INTRODUCTION**

At the request of Mr. Reed Rinehart of Rinehart Oil Inc., *Advanced GeoEnvironmental, Inc. (AGE)* has prepared this *Quarterly Report - Third Quarter 2008* for the site located at 1107 5<sup>th</sup> Street, Oakland, California. This report presents the procedures and results of the July 2008 ground water monitoring event and a summary of the monitoring activities in relation to the in-situ chemical oxidation (ozone sparge) remediation systems located on-site. The site and surrounding area are illustrated on Figure 1; on-site structures, soil borings, and well locations and other features are illustrated on Figure 2. Site background information is provided in Appendix A.

The goals of the ground water monitoring program are to assess site ground water for seasonal variation of elevation, gradient, and flow direction, and to assess the impact of petroleum hydrocarbon compounds and fuel oxygenating compounds in shallow ground water beneath the site. This report has been prepared in accordance with the Regional Water Quality Control Board's *Appendix A - Reports, Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites*.

**2.0. GROUND WATER MONITORING AND SAMPLING**

On 30 July 2008, the Third Quarter 2008 ground water monitoring event was conducted at the site. Following the guidelines for the Ground Water Monitoring Program, this sampling round included the measurement of ground water levels and collection of ground water samples from each of the site related monitoring wells MW-1, MW-3N, and MW-4 through MW-16 (Figure 2). Ground water sampling procedures and protocols implemented at the site are presented in Appendix B.

**3.0. FINDINGS**

The ground water elevation and flow direction at the site were determined from field data; a summary of depth to ground water measurements is presented in Table 1. The hydrocarbon-impact to ground water was quantified by laboratory analysis of the ground water samples; a summary of analytical results are presented in Tables 2 and 3. A summary of the geochemical parameter measurements and the ozone system operation and maintenance activities are presented in Table 4 and Table 5, respectively.

**3.1. GROUND WATER FLOW DIRECTION AND GRADIENT**

Depth to ground water was measured between 3.07 feet (MW-10) and 6.50 feet (MW-7) below the

top of the casings. Ground water elevation at the site ranged from 4.72 feet (MW-16) to 6.35 feet (MW-10) above mean sea level (MSL). The average measured ground water elevation was approximately 5.46 feet above MSL, a decrease of 0.22 feet since the previous monitoring event conducted in May 2008. The GeoTracker confirmation number of the submitted depth to water electronic deliverable format data (EDD) file number is 3396223306.

Ground water was inferred to be generally flowing away a northeast-trending ridge centered over well MW-3N, at hydraulic gradients ranging between of 0.01 foot per foot (ft/ft) and 0.004 ft/ft. Depth to water and ground water elevations are summarized in Table 1. Figure 3 illustrates the contoured ground water elevations as measured on 30 July 2008.

### 3.2. GROUND WATER ANALYTICAL RESULTS

The analytical results for ground water samples collected from on-site monitoring wells are as follows:

Total petroleum hydrocarbons quantified as gasoline (TPH-g) were reported in three of the 15 ground water samples collected, at concentrations of 11,000 micrograms per liter ( $\mu\text{g/l}$ ) (MW-5), 56,000  $\mu\text{g/l}$  (MW-7) and 14,000  $\mu\text{g/l}$  (MW-8). Total Petroleum Hydrocarbons quantified as diesel (TPH-d) were reported in five of the 15 samples, at concentrations ranging from 4,000  $\mu\text{g/l}$  to 68,000  $\mu\text{g/l}$  in wells MW-8 and MW-5, respectively. Figures 4 and 5 illustrate the estimated distributions of dissolved TPH-g and TPH-d at the site.

Benzene, toluene, ethyl-benzene and total xylenes (BTEX) compounds were reported in one of the 15 ground water samples collected from well MW-7. Maximum concentrations were reported in MW-7 at 3,300  $\mu\text{g/l}$  (benzene), 25  $\mu\text{g/l}$  (toluene), 38  $\mu\text{g/l}$  (ethylbenzene) and 270  $\mu\text{g/l}$  (total xylenes).

Methyl tertiary butyl ether (MTBE) was reported in three of the 15 ground water samples collected from the site related wells, at concentrations ranging from 40  $\mu\text{g/l}$  (MW-3N) to 5,100  $\mu\text{g/l}$  (MW-7). DIPE, TAME and 1,2-DCA were also reported in well MW-7 at concentrations of 15  $\mu\text{g/l}$ , 67  $\mu\text{g/l}$  and 84  $\mu\text{g/l}$ , respectively. Figure 6 illustrates the estimated distribution of dissolved MTBE at the site.

A summary of ground water analytical results is presented in Table 2. Chain-of-custody protocols were used to document sample custody transfers from the field to the analytical laboratory. The CTEL report No. CT214-0808004, which documents the ground water analyses, test methods, laboratory quality assurance/quality control reports, and chain-of-custody forms, is provided in Appendix D. The GeoTracker confirmation number of the submitted electronic deliverable format file number is 3351044178.



### 3.3. OZONE SPARGING REMEDIATION

*In-situ* chemical oxidation (ozone injection) operation began at the site on 24 September 2005. The two (North Unit and South Unit) ozone systems currently inject ozone, for a duration of 1-hour, into two ozone injection points at a time.

On 29 July 2008, the South Unit ozone injection unit was found to be non-operational. The unit was not producing ozone. Troubleshooting by AGE, included system re-start, clearing of all lines and replacement of connection fittings, did not repair the system. The manufacturer was notified.

On 14 June 2008, the North Unit ozone injection unit was found to be non-operational. The unit was not producing ozone. Troubleshooting by AGE, included system re-start, clearing of all lines and replacement of connection fittings, did not repair the system. The manufacturer was notified.

On 30 July 2008, the oxygen compressor was replaced in the north unit and the ozone generator was replaced in the south unit. On 02 September 2008, the well tubes were reconnected and the timers were set on the South Unit.

The South Unit Ozone Sparging System and the North Unit Ozone Sparging System has been in operation since 02 September 2008, approximately 28 days during the third quarter 2008.

During operations, each unit injects ozone to ten injection points. The general ground water geochemical parameters measure demonstrates adequate ozone enriched air distribution.

Summaries of the ozone system geochemical parameters measured from site related monitoring wells, and the operational parameters and maintenance activities through the third quarter 2008 are included in Tables 3 and 4, respectively.

### 4.0. CONCLUSIONS

- The concentrations of TPH-g in the majority of the wells have decreased subsequent, since activating the ozone injection systems. TPH-g concentrations have increased in wells MW-7 and MW-8, but have decreased or remained the same in all other wells, since the previous quarter.
- The concentrations of TPH-d in the wells located near the central portion of the site have show significant fluctuations of the dissolved TPH-d concentration over remediation period.
- TPH-d concentrations have increased in wells MW-7 and MW-8, but have decreased or remained non-detect in all other wells, since the previous quarter.

- The concentrations of benzene and MTBE in ground water have overall decreased during the monitoring program, and further have decreased significantly since the activation of the ozone injection systems. MTBE concentrations have decreased or remained the same in all wells except MW-7, since the previous quarter.
- BTEX concentrations have decreased or remained non-detect in all wells except MW-7, since the previous quarter; fuel additives TAME and 1,2-DCA concentrations have increased in MW-7 since the previous quarter.
- Although the concentrations of benzene and MTBE have appeared to fluctuate more than the other contaminants of concern from quarter to quarter, the overall trend is still decreasing, documenting the progress of remediating the dissolved plume within ground water.

## 5.0. RECOMMENDATIONS

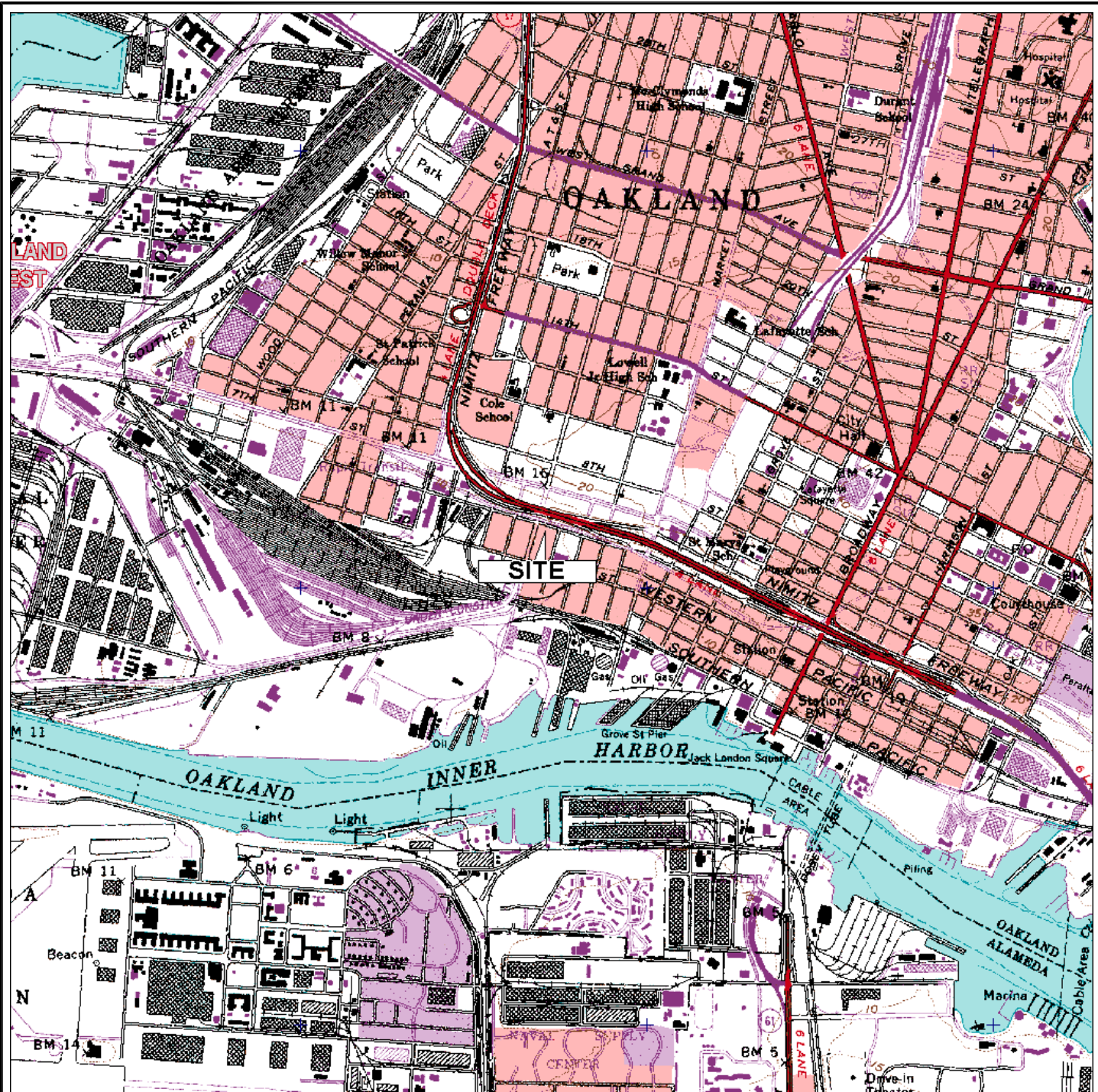
Based upon data reviewed and collected at the site, AGE recommends:

- Continued quarterly ground water monitoring; the fourth quarter 2008 ground water monitoring event was performed in October 2008.
- Continuation of *in-situ* chemical oxidation (ozone injection) remediation. Repair of both the North and South Units has been initiated. (On 30 July 2008, the oxygen compressor was replaced in the North Unit and the ozone generator was replaced in the South Unit - both systems appear to be fully operational).

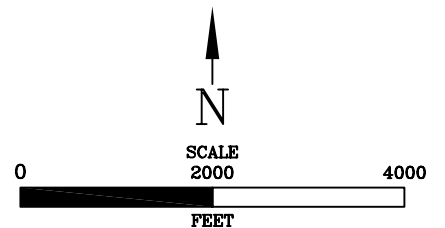
## 6.0. LIMITATIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings were based upon field measurements and analytical results provided by an independent laboratory. Evaluations of the hydrogeologic conditions at the site for the purpose of this investigation are made from a limited number of available data points (i.e. ground water samples) and subsurface conditions may vary away from these data points. No other warranty, expressed or implied, is made as to the professional interpretations, opinions and recommendations contained in this report.

# FIGURES



OAKLAND WEST QUADRANGLE, CALIFORNIA  
 7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)



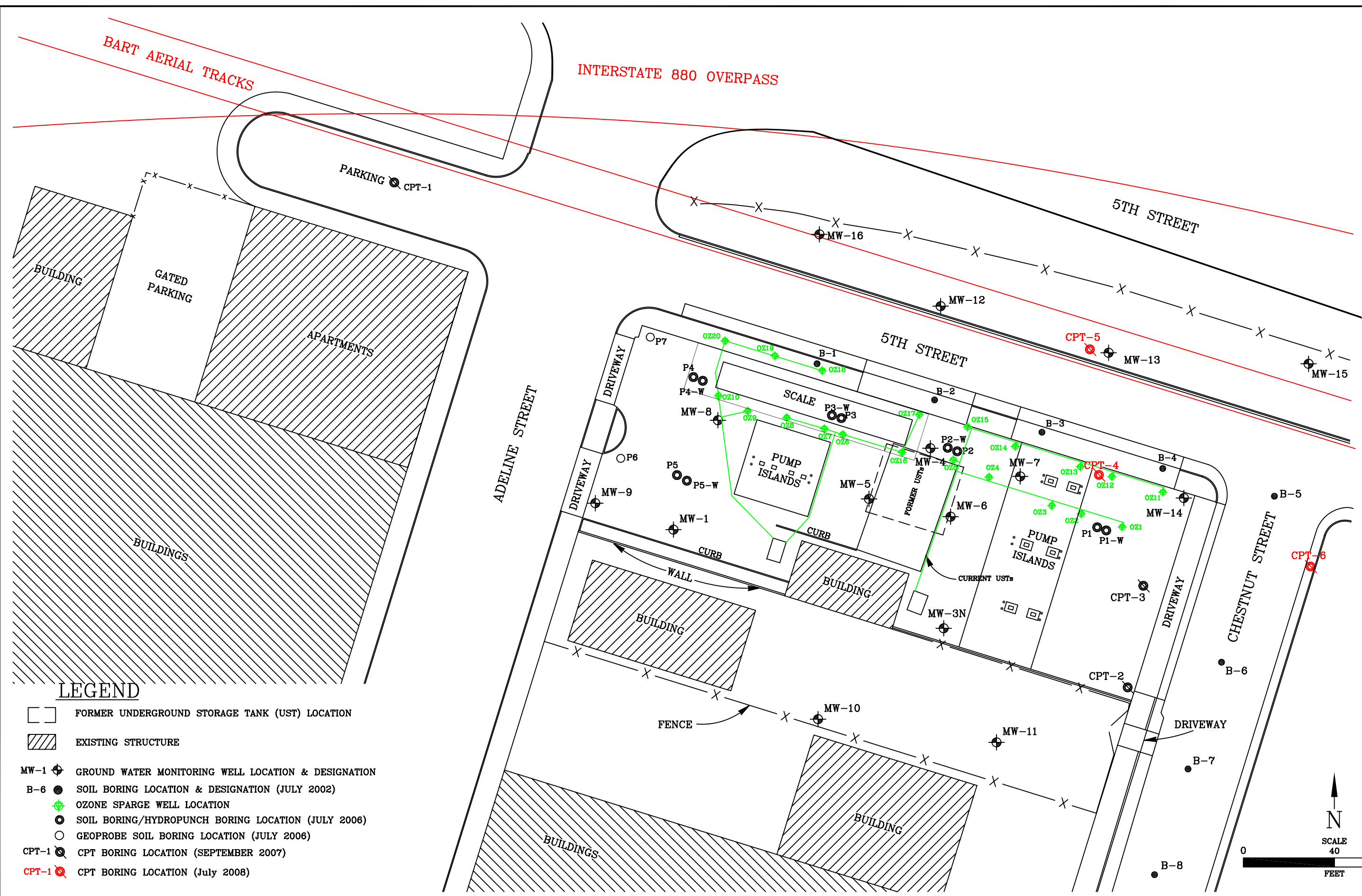
LOCATION MAP  
 RINEHART – OAKLAND TRUCK STOP  
 1107 5TH STREET  
 OAKLAND, CALIFORNIA



**Advanced**  
 GeoEnvironmental, Inc.  
*of Northern California*

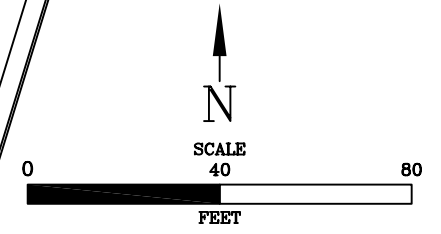
PROJECT NO. AGE-NC-03-1101	FILE: LOCATION	FIGURE:
DATE: 27 SEPTEMBER 2004	DRAWN BY: MAC	1

SITE PLAN  
RINEHART - OAKLAND TRUCK STOP  
1107 5TH STREET  
OAKLAND, CALIFORNIA

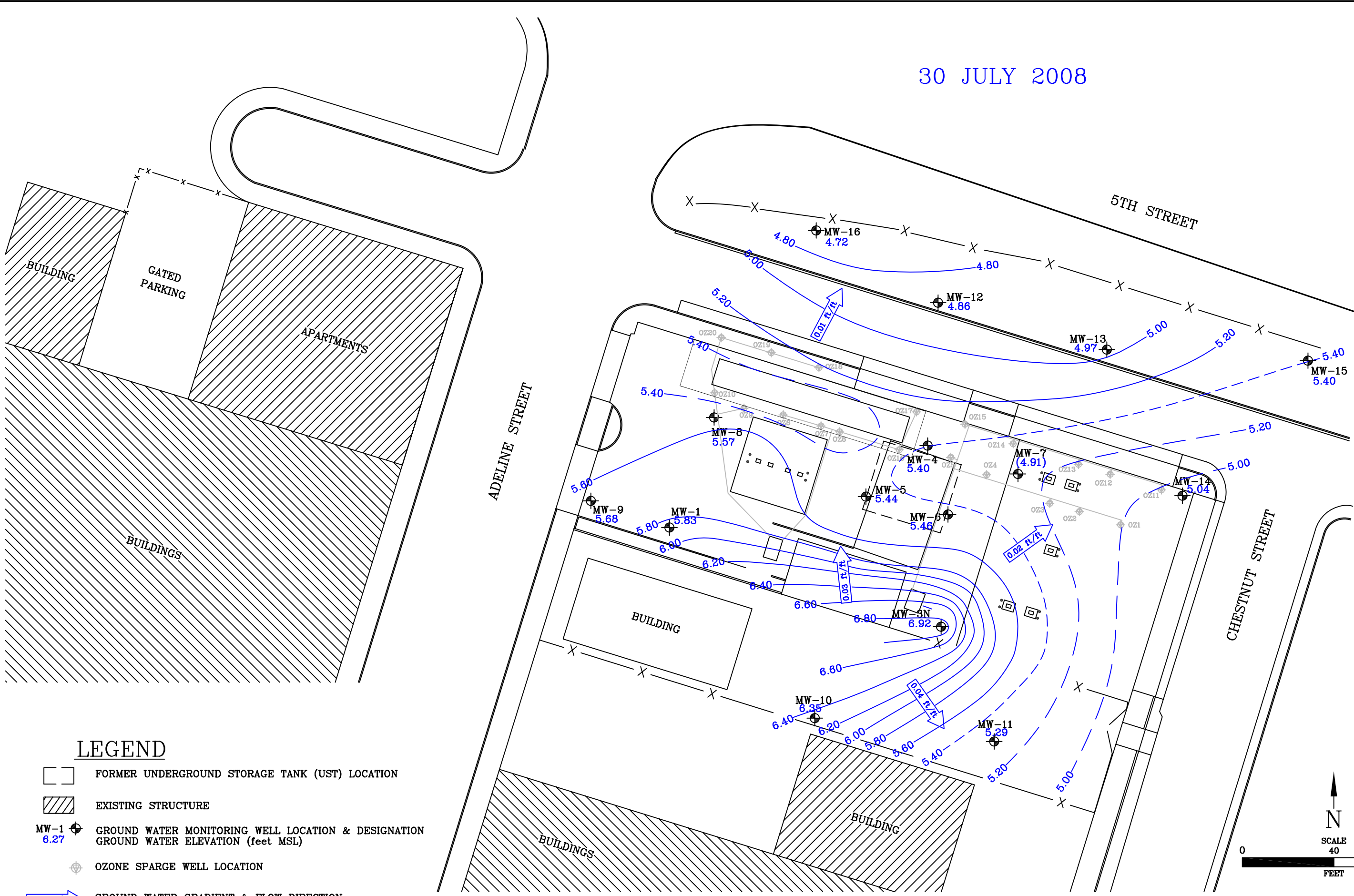


LEGEND

- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- MW-1 GROUND WATER MONITORING WELL LOCATION & DESIGNATION
- B-6 SOIL BORING LOCATION & DESIGNATION (JULY 2002)
- OZONE SPARGE WELL LOCATION
- SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
- GEOPROBE SOIL BORING LOCATION (JULY 2006)
- CPT-1 CPT BORING LOCATION (SEPTEMBER 2007)
- CPT-1 CPT BORING LOCATION (July 2008)

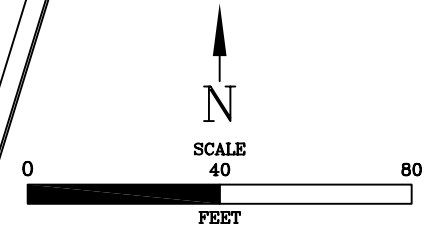


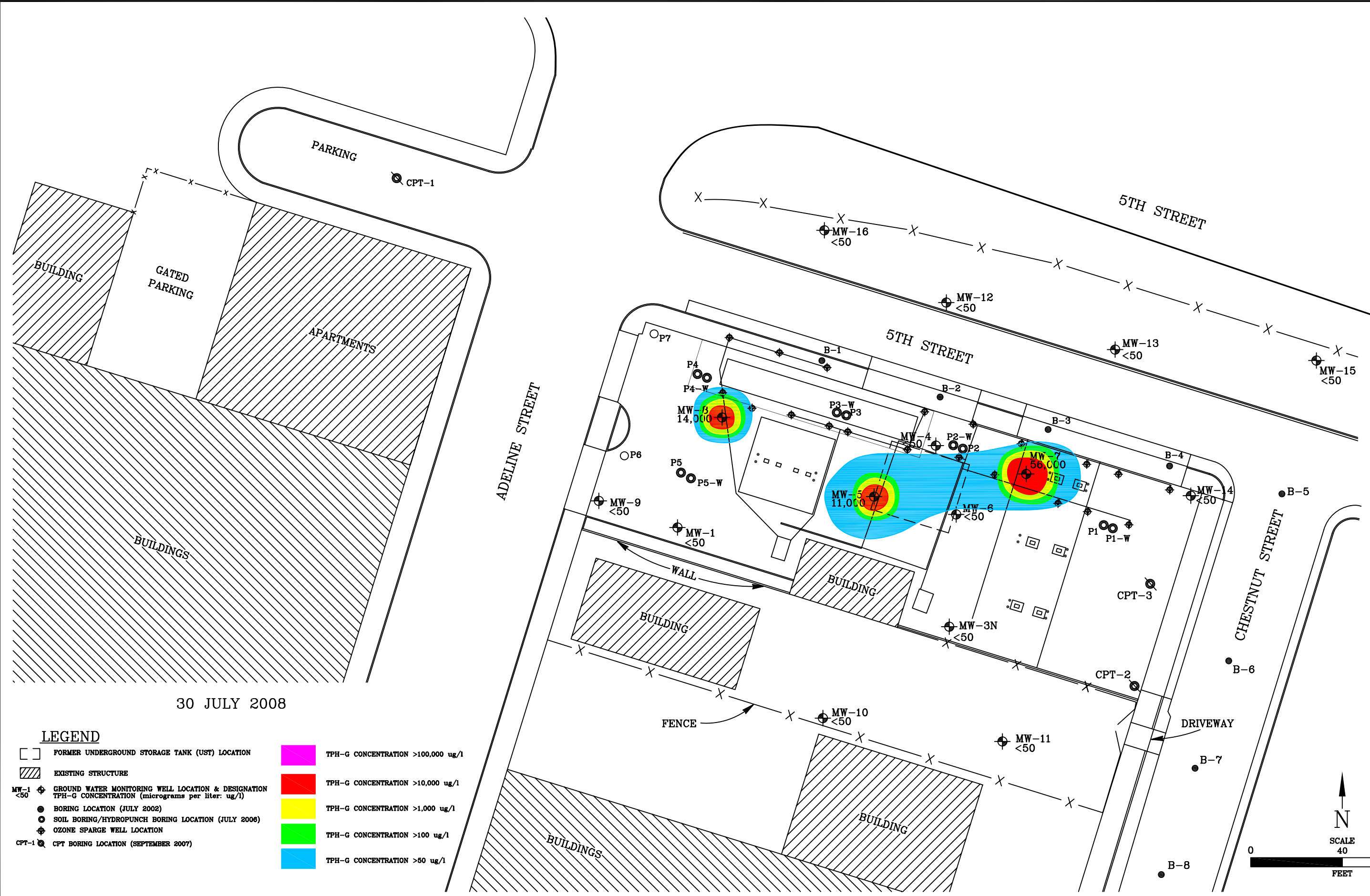
30 JULY 2008



**LEGEND**

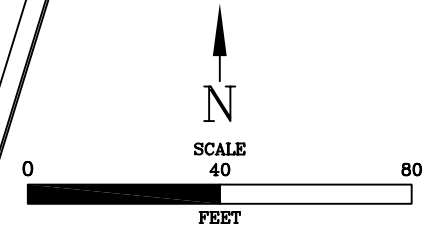
- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- MW-1 6.27 GROUND WATER MONITORING WELL LOCATION & DESIGNATION  
GROUND WATER ELEVATION (feet MSL)
- OZONE SPARGE WELL LOCATION
- GROUND WATER GRADIENT & FLOW DIRECTION



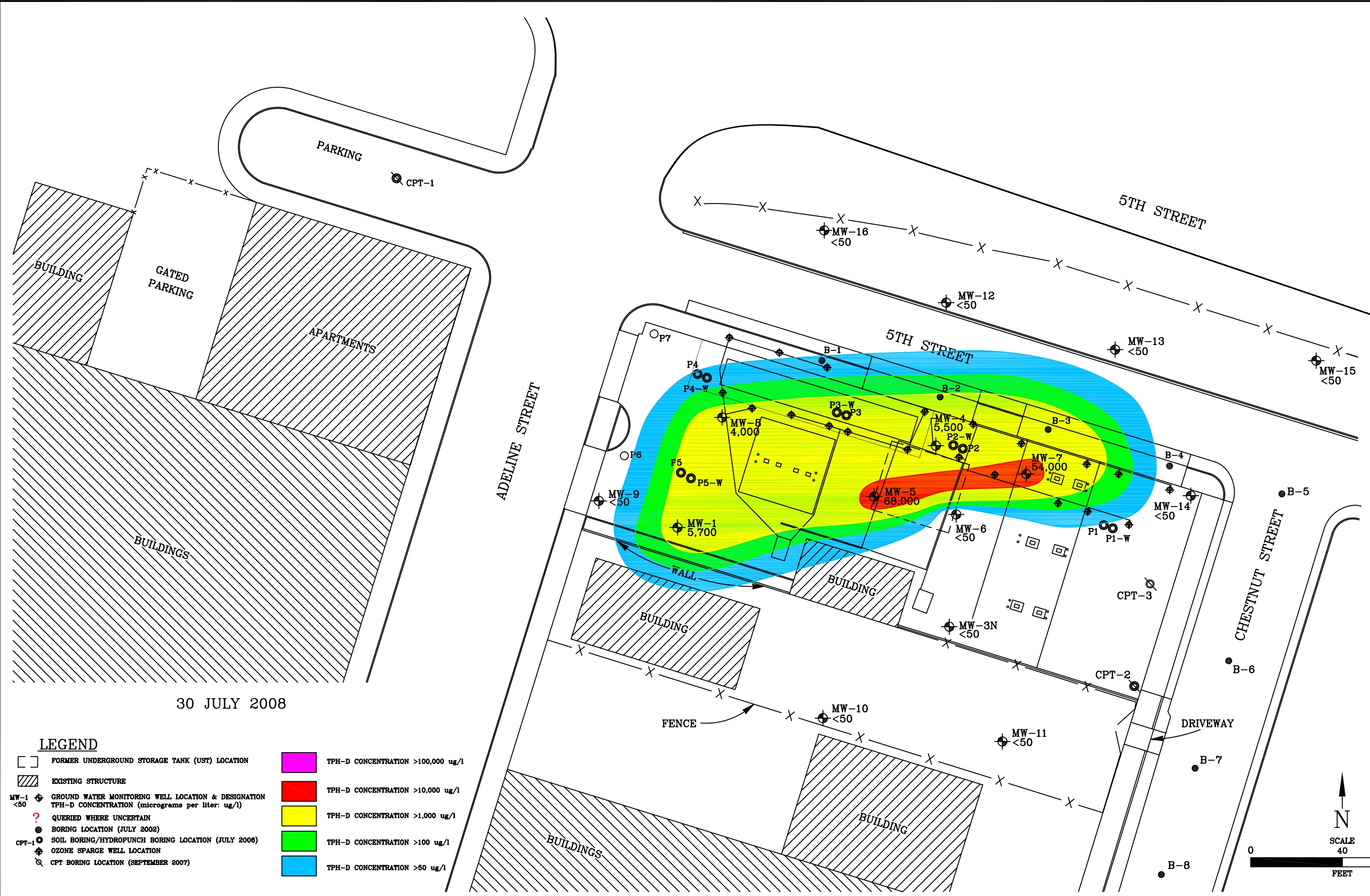


30 JULY 2008

LEGEND	
	FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
	EXISTING STRUCTURE
	GROUND WATER MONITORING WELL LOCATION & DESIGNATION TPH-G CONCENTRATION (micrograms per liter: ug/l)
	BORING LOCATION (JULY 2002)
	SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
	OZONE SPARGE WELL LOCATION
	CPT BORING LOCATION (SEPTEMBER 2007)
	TPH-G CONCENTRATION >100,000 ug/l
	TPH-G CONCENTRATION >10,000 ug/l
	TPH-G CONCENTRATION >1,000 ug/l
	TPH-G CONCENTRATION >100 ug/l
	TPH-G CONCENTRATION >50 ug/l

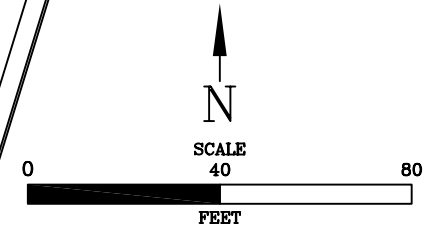


DISSOLVED TPH-G  
RINEHART - OAKLAND TRUCK STOP  
1107 5TH STREET  
OAKLAND, CALIFORNIA



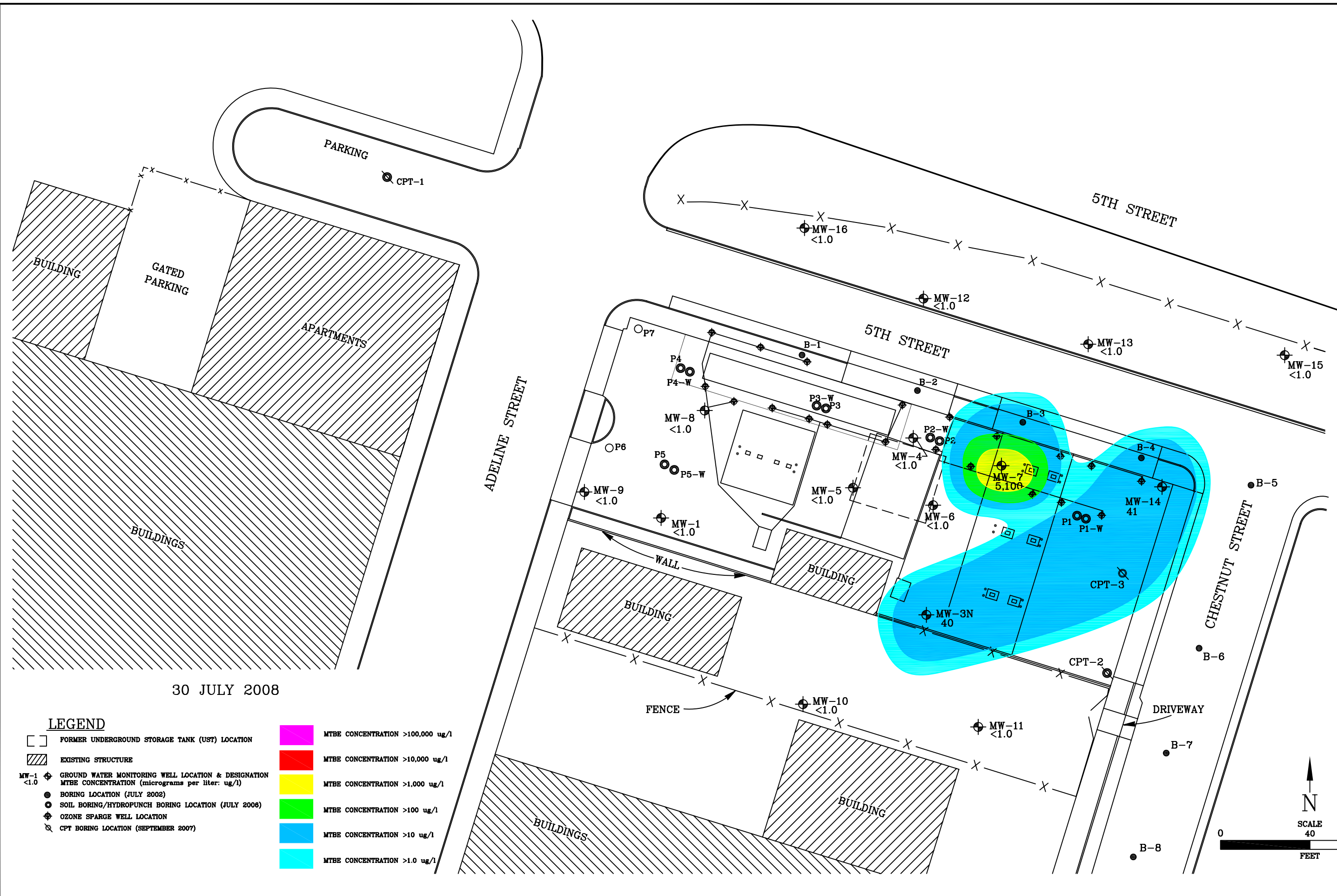
30 JULY 2008

LEGEND	
	FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
	EXISTING STRUCTURE
MW-1	GROUND WATER MONITORING WELL LOCATION & DESIGNATION
<50	TPH-D CONCENTRATION (micrograms per liter: ug/l)
?	QUERIED WHERE UNCERTAIN
	BORING LOCATION (JULY 2002)
CPT-1	SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)
	OZONE SPARGE WELL LOCATION
	CPT BORING LOCATION (SEPTEMBER 2007)
	TPH-D CONCENTRATION >100,000 ug/l
	TPH-D CONCENTRATION >10,000 ug/l
	TPH-D CONCENTRATION >1,000 ug/l
	TPH-D CONCENTRATION >100 ug/l
	TPH-D CONCENTRATION >50 ug/l



DISSOLVED TPH-D  
RINEHART - OAKLAND TRUCK STOP  
1107 5TH STREET  
OAKLAND, CALIFORNIA

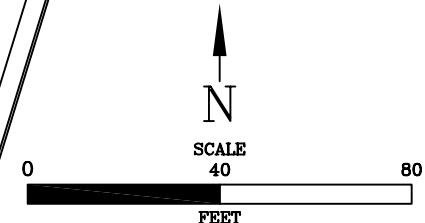




30 JULY 2008

**LEGEND**

- |  |  |  |                                  |
|--|--|--|----------------------------------|
|  | FORMER UNDERGROUND STORAGE TANK (UST) LOCATION   |  | MTBE CONCENTRATION >100,000 ug/l |
|  | EXISTING STRUCTURE   |  | MTBE CONCENTRATION >10,000 ug/l  |
|  | GROUND WATER MONITORING WELL LOCATION & DESIGNATION<br>MTBE CONCENTRATION (micrograms per liter: ug/l) |  | MTBE CONCENTRATION >1,000 ug/l   |
|  | BORING LOCATION (JULY 2002)  |  | MTBE CONCENTRATION >100 ug/l     |
|  | SOIL BORING/HYDROPUNCH BORING LOCATION (JULY 2006)   |  | MTBE CONCENTRATION >10 ug/l      |
|  | OZONE SPARGE WELL LOCATION   |  | MTBE CONCENTRATION >1.0 ug/l     |
|  | CPT BORING LOCATION (SEPTEMBER 2007)   |  |                                  |



**DISSOLVED MTBE**  
RINEHART - OAKLAND TRUCK STOP  
1107 5TH STREET  
OAKLAND, CALIFORNIA

# **TABLES**

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-1 (10'-20' bsg) <i>10.34'</i>	10/21/96	5.08	5.26
	11/04/96	3.02	7.32
	03/04/97	2.28	8.06
	06/12/97	4.80	5.54
	07/14/97	2.66	7.68
	09/09/97	2.45	7.89
	09/19/97	2.60	7.74
	02/13/98	2.76	7.58
	07/07/98	2.15	8.19
	10/01/98	3.63	6.71
	12/30/98	4.40	5.94
	03/21/00	2.62	7.72
	08/30/00	3.21	7.13
	11/06/00	3.10	7.24
	02/22/01	3.50	6.84
	05/07/01	2.94	7.40
	08/22/01	3.70	6.64
	11/04/01	3.89	6.45
	02/15/02	2.95	7.39
	05/20/02	3.39	7.05
	08/01/02	3.51	6.83
	11/11/02	4.00	6.34
	02/12/03	3.40	6.94
	05/12/03	3.65	6.69
	08/12/03	3.04	7.30
	01/09/04	4.64	5.70
	04/14/04	6.45	3.89
07/21/04	3.55	6.79	
10/20/04	4.00	6.34	
03/19/05	2.54	7.80	
06/25/05	2.76	7.58	
09/17/05	3.88	6.46	
12/26/05	3.83	6.51	
03/26/06	4.09	6.25	
06/03/06	2.91	7.43	
08/30/06	3.62	6.72	
12/04/06	3.98	6.04	
<i>10.02*</i>	02/28/07	2.90	7.12
	05/29/07	3.84	6.18

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-1 (10'-20' bsg)	08/20/07	4.21	5.81
	10/25/07	3.75	6.27
	01/25/08	3.60	6.42
	04/30/08	3.93	6.09
	07/30/08	4.19	5.83
MW-3N (5'-12' bsg) <i>11.67'</i>	05/20/02	3.91	7.76
	08/01/02	4.22	7.45
	11/11/02	4.42	7.25
	02/12/03	3.71	7.96
	05/12/03	3.49	8.18
	08/12/03	4.18	7.49
	01/09/04	3.78	7.89
	04/14/04	4.01	7.66
	07/21/04	4.90	6.77
	10/20/04	5.28	6.39
	03/19/05	3.10	8.57
	06/25/05	3.10	8.57
	06/25/05	3.83	7.84
	09/17/05	4.94	6.73
	12/26/05	3.64	8.03
	03/23/06	2.86	8.81
	06/03/06	3.45	8.22
	08/30/06	4.78	6.89
	12/04/06	4.90	6.46
	02/28/07	3.36	8.00
05/29/07	4.55	6.81	
08/20/07	5.40	5.96	
10/25/07	4.97	6.39	
01/25/08	3.69	7.67	
04/30/08	4.69	6.67	
07/30/08	4.44	6.92	
MW-4 (5'-20' bsg) <i>10.46'</i>	08/30/00	3.74	6.72
	11/06/00	3.85	6.61
	02/22/01	4.66	5.80
	05/07/01	2.66	7.80
	08/22/01	4.13	6.33
	11/04/01	4.53	5.93
	02/15/02	3.62	6.84
05/20/02	3.65	6.81	

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation	
MW-4 (5'-20' bsg)	08/01/02	4.25	6.21	
	11/11/02	4.85	5.61	
	02/12/03	4.24	6.22	
	05/12/03	4.20	6.26	
	08/12/03	4.47	5.99	
	01/09/04	3.92	6.54	
	04/14/04	4.04	6.42	
	07/21/04	4.55	5.91	
	10/20/04	4.89	5.57	
	03/19/05	3.51	6.95	
	06/25/05	4.58	5.88	
	09/17/05	4.54	5.92	
	12/26/05	4.66	5.80	
	03/23/06	3.80	6.66	
	06/03/06	3.84	6.62	
	08/30/06	4.75	5.71	
	12/04/06	4.91	5.25	
	02/28/07	4.18	5.98	
	05/29/07	4.28	5.88	
	10.16*	08/20/07	4.82	5.34
10/25/07		4.36	5.80	
01/25/08		3.75	6.41	
04/30/08		4.52	5.64	
07/30/08		4.76	5.40	
MW-5 (5'-20' bsg) 10.24'		08/30/00	3.01	7.23
		11/06/00	3.35	6.89
	02/22/01	3.00	7.24	
	05/07/01	2.73	7.51	
	08/22/01	3.88	6.36	
	11/04/01	3.95	6.29	
	02/15/02	2.84	7.40	
	05/20/02	2.86	7.38	
	08/01/02	3.21	7.03	
	11/11/02	4.04	6.20	
	02/12/03	3.12	7.12	
	05/12/03	3.18	7.06	
	08/12/03	3.75	6.49	
	01/09/04	3.18	7.06	
04/14/04	3.15	7.09		

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-5 (5'-20' bsg) <i>10.19*</i>	07/21/04	4.00	6.24
	10/20/04	4.49	5.75
	03/19/05	2.39	7.85
	06/25/05	2.77	7.47
	09/17/05	3.91	6.33
	12/26/05	3.46	6.78
	03/23/06	2.44	7.80
	06/03/06	2.55	7.69
	08/30/06	3.85	6.39
	12/04/06	4.37	5.82
	02/28/07	3.31	6.88
	05/29/07	4.45	5.74
	08/20/07	4.75	5.44
	10/25/07	4.21	5.98
	01/25/08	3.75	6.44
04/30/08	4.33	5.86	
07/30/08	4.75	5.44	
MW-6 (5'-20' bsg) <i>10.62'</i>	08/30/00	3.40	7.22
	11/06/00	3.72	6.90
	02/22/01	3.34	7.28
	05/07/01	3.08	7.54
	08/22/01	3.77	6.85
	11/04/01	4.33	6.29
	02/15/02	3.22	7.40
	05/20/02	3.24	7.38
	08/01/02	3.60	7.02
	11/11/02	4.41	6.21
	02/12/03	3.52	7.10
	05/12/03	3.34	7.28
	08/12/03	3.91	6.71
	01/09/04	3.35	7.27
	04/14/04	3.40	7.22
	07/21/04	4.21	6.41
	10/20/04	4.63	5.99
	03/19/05	2.54	8.08
06/25/05	2.92	7.70	
09/17/05	4.06	6.56	
12/26/05	3.63	6.99	
03/23/06	2.60	8.02	

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-6 (5'-20' bsg) <i>10.33'</i> *	06/03/06	2.71	7.91
	08/30/06	4.02	6.60
	12/04/06	4.54	5.79
	02/28/07	3.49	6.84
	05/29/07	4.60	5.73
	08/20/07	4.90	5.58
	10/25/07	4.36	5.97
	01/25/08	3.92	6.41
	04/30/08	4.49	5.84
	07/30/08	4.87	5.46
MW-7 (5'-20' bsg) <i>11.69'</i>	08/30/00	6.72	4.97
	11/06/00	6.85	4.84
	02/22/01	6.00	5.69
	05/07/01	6.35	5.34
	08/22/01	6.86	4.84
	11/04/01	6.66	5.03
	02/15/02	6.45	5.24
	05/20/02	6.59	5.10
	08/01/02	6.72	4.97
	11/11/02	6.61	5.08
	02/12/03	5.64	6.05
	05/12/03	5.68	6.01
	08/12/03	6.24	5.45
	01/09/04	5.65	6.04
	04/14/04	6.40	5.29
	07/21/04	6.31	5.38
	10/20/04	6.42	5.27
	03/19/05	5.48	6.21
	06/25/05	6.00	5.69
	09/17/05	6.55	5.14
	12/26/05	5.57	6.12
	03/23/06	5.47	6.22
	06/03/06	5.62	6.07
08/30/06	6.17	5.52	
12/04/06	6.38	5.03	
02/28/07	6.11	5.30	
05/29/07	6.25	5.16	
08/20/07	6.65	4.76	
<i>11.41'</i> *	10/25/07	6.55	4.86

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-7 (5'-20' bsg)	01/25/08	6.30	5.11
	04/30/08	6.54	4.87
	07/30/08	6.50	4.91
MW-8 (5'-20' bsg) <i>10.06'</i>	08/30/00	3.06	7.00
	11/06/00	2.98	7.08
	02/22/01	2.46	7.60
	05/07/01	2.76	7.30
	08/22/01	3.56	6.50
	11/04/01	3.76	6.30
	02/15/02	2.72	7.34
	05/20/02	2.82	7.24
	08/01/02	3.06	7.00
	11/11/02	3.54	6.52
	02/12/03	3.07	6.99
	05/12/03	2.69	7.37
	08/12/03	3.10	6.96
	01/09/04	2.85	7.21
	04/14/04	3.45	6.61
	07/21/04	4.56	5.50
	10/20/04	4.72	5.34
	03/19/05	3.31	6.75
	06/25/05	3.05	7.01
	09/17/05	4.22	5.84
	12/26/05	3.24	6.82
	03/23/06	2.67	7.39
	06/03/06	2.63	7.43
08/30/06	3.56	6.50	
12/04/06*	3.81	5.92	
02/28/07	3.06	6.67	
05/29/07	3.77	5.96	
08/20/07	4.21	5.52	
10/25/07	3.96	5.77	
01/25/08	2.97	6.76	
04/30/08	3.85	5.88	
07/30/08	4.16	5.57	
MW-9 (5'-20' bsg) <i>10.03'</i>	08/30/00	2.81	7.22
	11/06/00	2.68	7.35
	02/22/01	2.20	7.83
	05/07/01	2.75	7.28



**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-9 (5'-20' bsg) <i>10.03'</i>	08/22/01	3.80	6.23
	11/04/01	3.61	6.42
	02/15/02	2.92	7.11
	05/20/02	2.38	7.65
	08/01/02	2.72	7.31
	11/11/02	2.87	7.16
	02/12/03	2.43	7.60
	05/12/03	2.41	7.62
	08/12/03	2.61	7.42
	01/09/04	2.87	7.16
	04/14/04	3.65	6.38
	07/21/04	3.70	6.33
	10/20/04	4.20	5.83
	03/19/05	3.75	6.28
	06/25/05	3.85	6.18
	09/17/05	3.38	6.65
	12/26/05	2.01	8.02
	03/23/06	2.50	7.53
	06/03/06	2.63	7.40
	08/30/06	3.35	6.68
12/04/06	3.63	6.10	
02/28/07	2.61	7.12	
05/29/07	3.34	6.39	
08/20/07	3.82	5.91	
10/25/07	3.21	6.52	
01/25/08	2.62	7.11	
04/30/08	3.55	6.18	
07/30/08	4.05	5.68	
MW-10 (5'-12' bsg) <i>11.07'</i>	05/20/02	4.54	6.53
	06/18/02	4.25	6.82
	08/01/02	1.80	9.27
	11/11/02	1.50	9.57
	02/12/03	1.07	10.00
	05/12/03	1.01	10.06
	08/12/03	1.44	9.63
	01/09/04	0.90	10.17
	04/14/04	2.05	9.02
	07/21/04	2.78	8.29
10/20/04	1.05	10.02	

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-10 (5'-12' bsg) <i>11.07'</i>	03/19/05	0.75	10.32
	06/25/05	1.91	9.16
	09/17/05	2.90	8.17
	12/26/05	0.32	10.75
	03/23/06	0.76	10.31
	06/03/06	1.65	9.42
	08/30/06	2.70	8.37
	12/04/06	2.41	7.01
	02/28/07	0.30	9.12
	05/29/07	2.17	7.25
	08/20/07	3.04	6.38
	10/25/07	2.23	7.19
	01/25/08	0.58	8.84
	04/30/08	2.28	7.14
	07/30/08	3.07	6.35
MW-11 (5'-20' bsg) <i>9.64'</i>	05/20/02	0.84	8.80
	06/18/02	1.71	7.93
	08/01/02	4.88	4.76
	11/11/02	5.18	4.46
	02/12/03	3.85	5.79
	05/12/03	4.00	5.64
	08/12/03	4.31	5.33
	01/09/04	3.74	5.90
	04/14/04	5.73	3.91
	07/21/04	5.80	3.84
	10/20/04	--	--
	03/19/05	4.81	4.83
	06/25/05	4.56	5.08
	09/17/05	5.30	4.34
	12/26/05	5.11	4.53
	03/23/06	3.35	6.29
	06/03/06	3.65	5.99
	08/30/06	4.94	4.70
	12/04/06	5.43	5.34
	02/28/07	4.20	6.57
05/29/07	4.75	6.02	
08/20/07	5.53	5.24	
10/25/07	5.64	5.06	
01/25/08	4.46	6.31	

**TABLE 1**  
**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-11	04/30/08	4.82	5.95
(5'-20' bsg)	07/30/08	5.48	5.29
MW-12	10/20/04	5.41	--
(5'-20' bsg)	03/19/05	5.74	--
	06/25/05	5.23	--
	09/17/05	5.74	--
	12/26/05	4.37	--
	03/23/06	4.36	--
	06/03/06	5.12	--
	08/30/06	5.67	--
	12/04/06	5.83	4.76
	02/28/07	4.80	5.79
	05/29/07	5.62	4.97
	08/20/07	5.88	4.71
<i>10.59*</i>	10/25/07	5.50	5.09
	01/25/08	4.74	5.85
	04/30/08	5.56	5.03
	07/30/08	5.73	4.86
MW-13	10/20/04	5.67	--
(5'-20' bsg)	03/19/05	4.82	--
	06/25/05	5.78	--
<i>11.29*</i>	09/17/05	6.21	--
	12/26/05	4.25	--
	03/23/06	4.57	--
	06/03/06	5.60	--
	08/30/06	6.20	--
	12/04/06	6.33	4.96
	02/28/07	4.95	6.34
	05/29/07	6.02	5.27
	08/20/07	6.42	4.87
	10/25/07	6.21	5.08
	01/25/08	5.23	6.06
	04/30/08	6.17	5.12
	07/30/08	6.32	4.97

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**GROUND WATER ELEVATION DATA**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(feet)**

Well I.D. (Screen Interval) <i>Casing Elevation</i>	Date	Depth to Ground Water	Ground Water Elevation
MW-14 (5'-20' bsg)	10/20/04	6.36	--
	03/19/05	5.20	--
	06/25/05	5.56	--
	09/17/05	6.09	--
	12/26/05	5.50	--
MW-14 (5'-20' bsg)  <i>11.39'</i> *	03/23/06	5.06	--
	06/03/06	5.39	--
	08/30/06	5.92	--
	12/04/06	6.15	5.24
	02/28/07	5.84	5.55
	05/29/07	5.97	5.42
	08/20/07	6.43	4.96
	10/25/07	6.37	5.02
	01/25/08	6.13	5.26
	04/30/08	6.42	4.97
07/30/08	6.35	5.04	
MW-15 (5'-20' bsg) <i>11.38'</i> *	10/05/07	6.14	5.24
	10/25/07	6.00	5.38
	01/25/08	5.76	5.62
	04/30/08	6.01	5.37
	07/30/08	5.98	5.40
MW-16 (5'-20' bsg) <i>10.36'</i> *	10/05/07	5.85	4.51
	10/25/07	5.51	4.85
	01/25/08	4.71	5.65
	04/30/08	5.70	4.66
	07/30/08	5.64	4.72

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-1	11/04/96	ND	220	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/05/97	ND	230	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	06/12/97	ND	290	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	09/09/07	ND	180	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	02/13/98	ND	590	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	07/07/98	ND	1,400	2.7	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	10/01/98	ND	1,100	1.8	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	12/30/98	ND	1,700	2.3	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	03/21/00	220	3,100	4,800	11	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	08/30/00	140	1,600	NA	5.3	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	2,900
	11/06/00	51	1,500	2,100	1	<0.5	<0.5	<0.5	<50	<50	<50	<250	<50	<50	1,700
	02/22/01	140	3,000	1,100	<0.5	<0.5	<0.5	<0.5	<20	<20	<20	<100	<20	<20	100
	05/07/01	<50	3,800	1,100	<0.5	<0.5	<0.5	<0.5	<20	<20	<20	<100	<20	<20	780
	08/22/01	<110	1,800	1,600	<0.5	<0.5	<0.5	<0.5	<25	<25	<25	<130	<25	<25	1,900
	11/04/01	<50	1,300	1,500	<0.5	<0.5	<0.5	<0.5	<50	<50	<50	<250	<50	<50	1,600
	02/15/02	<50	2,000	770	<0.5	<0.5	<0.5	<0.5	<20	<20	<20	<100	<20	<20	610
	05/20/02	<50	160	730	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	570
	08/01/02	<50	600	610	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	480
	11/11/02	<50	2,200	600	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	510
	02/12/03	<50	1,200	640	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	540
	05/12/03	<50	520	580	<0.5	<0.5	<0.5	<0.5	<10	<10	<10	<100	<10	<10	610
	08/11/03	<50	180	660	<0.5	<0.5	<0.5	<0.5	<12	<12	<12	<120	<12	<12	740
	01/09/04	610	<50	590	<0.5	<0.5	<0.5	4.2	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA
	04/14/04	730	<50	730	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA
	07/21/04	900	<50	620	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-1	10/20/04	<50	<50	<b>60</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA
	03/19/05	<b>100</b>	<50	<b>100</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA
	06/25/05	<b>100</b>	<50	<b>100</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA
	09/17/05	<b>100</b>	<50	<b>83</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA
	12/26/05	<b>100</b>	<50	<b>86</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<1.0	<1.0	NA
	03/23/06	<50	<50	<b>13</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<50	<50	<b>16</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<b>7</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<50	<50	<b>63</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>62</b>	<0.5	<0.5	NA
	02/28/07	<50	<50	<b>11</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<b>45</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<b>4.9</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<50	<50	<b>31</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<50	<b>8,800</b>	<1	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
07/30/08	<50	<b>5,700</b>	<1	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
MW-3N	05/20/02	<50	<b>1,800</b>	<b>1,500</b>	<0.5	<0.5	<0.5	<0.5	<25	<25	<25	<250	<25	<25	<b>1,100</b>
	08/01/02	<50	<b>2,900</b>	<b>540</b>	<0.5	<0.5	<0.5	<0.5	<10	<10	<b>14</b>	<100	<10	<10	<b>350</b>
	11/11/02	<50	<b>1,100</b>	<b>270</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<b>7.1</b>	<50	<5.0	<5.0	<b>280</b>
	02/12/03	<50	<b>1,300</b>	<b>410</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<b>380</b>
	05/12/03	<50	<b>1,500</b>	<b>360</b>	<0.5	<0.5	<0.5	<0.5	<6.2	<6.2	<6.2	<62	<6.2	<6.2	<b>330</b>
	08/11/03	<50	<b>720</b>	<b>280</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<b>250</b>
	01/09/04	<b>230</b>	<50	<b>230</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<b>2.5</b>	<10	<0.5	<0.5	NA
	04/14/04	<b>230</b>	<50	<b>220</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/21/04	<b>400</b>	<50	<b>370</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<b>4.4</b>	<10	<0.5	<0.5	NA

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-3N	10/20/04	<b>190</b>	<50	<b>180</b>	<b>3.5</b>	<0.5	<0.5	<b>5.2</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/19/05	<b>300</b>	<50	<b>300</b>	<b>2.6</b>	<0.5	<0.5	<b>5.2</b>	<1.0	<1.0	<b>2.4</b>	<10	<0.5	<0.5	NA
	06/25/05	<b>1,200</b>	<50	<b>1,100</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<b>330</b>	<0.5	<0.5	NA
	09/17/05	<b>1,900</b>	<50	<b>1,100</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<b>770</b>	<0.5	<0.5	NA
	12/26/05	<b>1,500</b>	<50	<b>930</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<b>520</b>	<0.5	<0.5	NA
	03/23/06	<b>550</b>	<50	<b>110</b>	<0.5	<b>3.6</b>	<b>13</b>	<b>37.1</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<b>200</b>	<50	<b>150</b>	<0.5	2.6	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<b>160</b>	<50	<b>130</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<b>900</b>	<50	<b>790</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<b>19</b>	<b>880</b>	<0.5	<0.5	NA
	02/28/07	<50	<50	<b>97</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<b>170</b>	<50	<b>160</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<b>21</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<50	<50	<b>40</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<b>18</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<b>120</b>	<50	<b>110</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
07/30/08	<50	<50	<b>40</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
MW-4	08/30/00	<b>1,300</b>	<b>390</b>	NA	<b>64</b>	<b>63</b>	<b>9.7</b>	<b>110</b>	NA	NA	NA	NA	NA	NA	<b>210,000</b>
	11/06/00	<3,300	<b>170</b>	<b>120,000</b>	<b>80</b>	<4.0	<5.0	<3.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	<b>130,000</b>
	11/06/00†	<3,300	NA	<b>120,000</b>	<b>86</b>	<4.0	<7.0	<6.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	<b>130,000</b>
	02/22/01	<3,300	<b>120</b>	<b>150,000</b>	<b>30</b>	<3.0	<3.0	<3.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	<b>120,000</b>
	05/07/01	<4,200	<b>240</b>	<b>200,000</b>	<20	<10.0	<5.0	<5.0	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	<b>150,000</b>
	08/22/01	<5,400	<b>300</b>	<b>190,000</b>	<5.0	<5.0	<5.0	<5.0	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	<b>160,000</b>
	11/04/01	<5,000	<b>210</b>	<b>170,000</b>	<5.0	<5.0	<5.0	<5.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	<b>130,000</b>
	02/15/02	<5,000	<b>340</b>	<b>160,000</b>	<5.0	<5.0	<5.0	<10	<2,500	<2,500	<2,500	<12,500	<2,500	<2,500	<b>160,000</b>
05/20/02	<2,500	<b>200</b>	<b>130,000</b>	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	<b>98,000</b>	

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-4	08/01/02	<2,500	<b>200</b>	<b>100,000</b>	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	<b>89,000</b>
	11/11/02	<3,000	<b>200</b>	<b>84,000</b>	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	<b>99,000</b>
	02/12/03	<2,500	<b>88</b>	<b>70,000</b>	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	<b>78,000</b>
	05/12/03	<2,500	<b>88</b>	<b>86,000</b>	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	<b>88,000</b>
	08/11/03	<2,500	<b>66</b>	<b>74,000</b>	<25	<25	<25	<25	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	<b>77,000</b>
	01/09/04	<b>50,000</b>	<50	<b>50,000</b>	<b>120</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<b>85</b>	<10	<0.5	<0.5	NA
	04/14/04	<b>27,000</b>	<50	<b>27,000</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/21/04	<b>27,000</b>	<50	<b>5,300</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<b>3.6</b>	<b>150,000</b>	<0.5	<0.5	NA
	10/20/04	<b>22,000</b>	<50	<b>840</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>110,000</b>	<0.5	<0.5	NA
	03/19/05	<b>3,500</b>	<0.05	<b>900</b>	<b>25</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<b>4.6</b>	<b>2,900</b>	<0.5	<0.5	NA
	06/25/05	<b>3,000</b>	<0.05	<b>620</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>54,000</b>	<0.5	<0.5	NA
	09/17/05	<b>3,200</b>	<0.05	<b>370</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>180,000</b>	<0.5	<0.5	NA
	12/26/05	<b>3,000</b>	<50	<b>730</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>76,000</b>	<0.5	<0.5	NA
	03/23/06	<b>300</b>	<50	<b>21</b>	<b>4.2</b>	<0.5	<b>2.1</b>	<b>2.5</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<b>110</b>	<50	<b>33</b>	<b>3.9</b>	<b>2.2</b>	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<b>7.7</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<b>1,100</b>	<50	<b>68</b>	<0.5	<0.5	<0.5	<0.6	<b>18</b>	<1.0	<1.0	<b>6,300</b>	<0.5	<0.5	NA
	02/28/07	<b>320</b>	<50	<b>23</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<b>800</b>	<50	<b>330</b>	<b>48</b>	<b>9.4</b>	<b>9.2</b>	<b>15</b>	<1.0	<1.0	<b>18</b>	<10	<0.5	<0.5	NA
	08/20/07	<b>400</b>	<50	<b>74</b>	<0.5	<0.5	<0.5	<b>2.3</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
10/25/07	<b>340</b>	<50	<b>90</b>	<0.5	<0.5	<0.5	<b>1.6</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
01/29/08	<b>220</b>	<50	<b>150</b>	<b>10</b>	<0.5	<b>1.6</b>	<b>2.0</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
04/30/08	<50	<b>7,600</b>	<1	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
07/30/08	<50	<b>5,500</b>	<1	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
MW-4	08/30/00	<b>1,000</b>	<b>450</b>	NA	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	<b>52,000</b>



**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-5	11/06/00	<1,000	<b>520</b>	<b>42,000</b>	<1.0	<1.0	<1.0	<1.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	<b>44,000</b>
	02/22/01	<1,000	<b>270</b>	<b>39,000</b>	<1.0	<1.0	<1.0	<1.0	<500	<500	<500	<2,500	<500	<500	<b>30,000</b>
	05/07/01	<1,800	<b>470</b>	<b>59,000</b>	<5.0	<2.0	<2.0	<2.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	<b>48,000</b>
	08/22/01	<2,200	<b>780</b>	<b>70,000</b>	<3.0	<3.0	<3.0	<3.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	<b>63,000</b>
	11/04/01	<1,700	<b>670</b>	<b>37,000</b>	<2.0	<2.0	<2.0	<2.0	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	<b>44,000</b>
	02/15/02	<1,100	<b>480</b>	<b>33,000</b>	<1.0	<1.0	<1.0	<1.0	<1,250	<1,250	<1,250	<6,250	<1,250	<1,250	<b>33,000</b>
	05/20/02	<500	<b>1,600</b>	<b>28,000</b>	<5.0	<5.0	<5.0	<5.0	<500	<500	<500	<5,000	<500	<500	<b>21,000</b>
	08/01/02	<500	<b>810</b>	<b>24,000</b>	<5.0	<5.0	<5.0	<5.0	<500	<500	<500	<5,000	<500	<500	<b>10,000</b>
	11/11/02	<500	<b>2,100</b>	<b>8,800</b>	<5.0	<5.0	<5.0	<5.0	<200	<200	<200	<b>10,000</b>	<200	<200	<b>3,700</b>
	02/12/03	<170	<b>2,900</b>	<b>3,200</b>	<b>30</b>	<1.7	<1.7	<1.7	<100	<100	<100	<b>4,100</b>	<100	<100	<b>19,000</b>
	05/12/03	<500	<b>1,500</b>	<b>21,000</b>	<b>13</b>	<5.0	<5.0	<5.0	<500	<500	<500	<b>5,200</b>	<500	<500	<b>1,500</b>
	08/11/03	<b>71</b>	<b>2,200</b>	<b>1,700</b>	<b>9.5</b>	<0.5	<0.5	<0.5	<50	<50	<50	<b>14,000</b>	<50	<50	<b>1,700</b>
	01/09/04	<b>1,500</b>	<50	<b>1,500</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/14/04	<b>500</b>	<50	<b>430</b>	<b>20</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/21/04	<b>2,000</b>	<50	<b>320</b>	<b>2.2</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>15,000</b>	<0.5	<0.5	NA
	10/20/04	<b>1,900</b>	<50	<b>23</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>11,000</b>	<0.5	<0.5	NA
	03/19/05	<b>1,000</b>	<b>860</b>	<b>71</b>	<b>2.3</b>	<0.5	<b>5</b>	<b>40</b>	<1.0	<1.0	<1.0	<b>500</b>	<0.5	<0.5	NA
	06/25/05	<b>1,500</b>	<b>1,200</b>	<b>54</b>	<b>11</b>	<0.5	<b>3.6</b>	<b>37</b>	<1.0	<1.0	<1.0	<b>2,700</b>	<0.5	<0.5	NA
	09/17/05	<b>2,500</b>	<b>1,600</b>	<b>16</b>	<b>42</b>	<0.5	<0.5	<b>10</b>	<1.0	<1.0	<1.0	<b>12,000</b>	<0.5	<0.5	NA
	12/26/05	<b>1,500</b>	<b>1,200</b>	<b>44</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>2,700</b>	<0.5	<0.5	NA
	03/23/06	<50	<b>850</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<b>400</b>	<b>900</b>	<b>280</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<b>1,200</b>	<50	<b>22</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>2,200</b>	<0.5	<0.5	NA
	02/28/07	<50	<50	<b>11</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-5	05/29/07	<b>9,000</b>	<b>240,000</b>	<b>26</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	17	<10	<0.5	<0.5	NA
	08/20/07	<b>11,000</b>	<b>280,000</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<b>14,000</b>	<b>300,000</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<b>11,000</b>	<b>260,000</b>	<1.0	<0.5	<0.5	<b>1.4</b>	<b>4.4</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<b>14,000</b>	<b>73,000</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/30/08	<b>11,000</b>	<b>68,000</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
MW-6	08/30/00	<b>1,300</b>	<b>1,300</b>	NA	<b>55</b>	<0.5	16	27	NA	NA	NA	NA	NA	NA	<b>23,000</b>
	11/06/00	<630	<b>1,100</b>	<b>27,000</b>	<b>7</b>	<b>8.1</b>	<3.0	<b>5.2</b>	<630	<630	<630	<3,200	<630	<630	<b>26,000</b>
	02/22/01	<200	<b>420</b>	<b>8,000</b>	<5.0	<5.0	<5.0	<5.0	<100	<100	<100	<500	<100	<100	<b>6,500</b>
	05/07/01	<1,000	<b>900</b>	<b>40,000</b>	<2.0	<2.0	<1.0	<1.0	<500	<500	<500	<2,500	<500	<500	<b>37,000</b>
	08/22/01	<350	<b>520</b>	<b>8,800</b>	<2.0	<1.0	<0.5	<0.5	<200	<200	<200	<1,000	<200	<200	<b>8,600</b>
	11/04/01	<500	<b>420</b>	<b>17,000</b>	<2.0	<2.0	<0.5	<0.5	<250	<250	<250	<1,300	<250	<250	<b>12,000</b>
	02/15/02	<960	<b>910</b>	<b>26,000</b>	<b>2.6</b>	<b>4.5</b>	<1.0	4.2	<1,000	<1,000	<1,000	<5,000	<1,000	<1,000	<b>23,000</b>
	05/20/02	<620	<b>690</b>	<b>37,000</b>	<6.2	<6.2	<6.2	<6.2	<500	<500	<500	<5,000	<500	<500	<b>25,000</b>
	08/01/02	<250	<b>1,100</b>	<b>9,100</b>	<b>8</b>	<2.5	<2.5	<2.5	<170	<170	<170	<b>3,800</b>	<170	<170	<b>8,100</b>
	11/11/02	<500	<b>970</b>	<b>11,000</b>	<5.0	<5.0	<5.0	<5.0	<250	<250	<250	<b>8,600</b>	<250	<250	<b>11,000</b>
	02/12/03	<250	<b>2,100</b>	<b>8,300</b>	<2.5	<2.5	<2.5	<2.5	<120	<120	<120	<b>4,600</b>	<120	<120	<b>7,400</b>
	05/12/03	<1,000	<b>630</b>	<b>29,000</b>	<10	<10	<10	<10	<500	<500	<500	<b>8,700</b>	<500	<500	<b>32,000</b>
	08/11/03	<b>110</b>	<50	<b>2,300</b>	<b>6.8</b>	<1.0	<1.0	<1.0	<100	<100	<100	<b>27,000</b>	<100	<100	<b>2,800</b>
	01/09/04	<b>700</b>	<50	<b>690</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/14/04	<b>200</b>	<50	<b>190</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
07/21/04	<b>200</b>	<b>4.5</b>	<b>140</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>15,000</b>	<0.5	<0.5	NA	
10/20/04	<b>7,700</b>	<b>1,300</b>	<b>3,400</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>77,000</b>	<0.5	<0.5	NA	
03/19/05	<b>1,600</b>	<b>630</b>	<b>57</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>1,300</b>	<0.5	<0.5	NA	
06/25/05	<b>400</b>	<b>630</b>	<b>58</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>3,600</b>	<0.5	<0.5	NA	

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**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B										8021	
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-6	09/17/05	<b>590</b>	<50	<b>28</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>5,300</b>	<0.5	<0.5	NA
	12/26/05	<b>400</b>	<50	<b>92</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>4,500</b>	<0.5	<0.5	NA
	03/23/06	<50	<50	<b>16</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<50	<50	<b>13</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<b>4,300</b>	<50	<b>84</b>	<0.5	<0.5	<0.5	<0.6	<b>19</b>	<1.0	<1.0	<b>30,000</b>	<0.5	<0.5	NA
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<b>4,900</b>	<50	<b>120</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<b>5,000</b>	<b>4,200</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<b>5.8</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
MW-7	08/30/00	<b>160,000</b>	<b>2,600</b>	NA	<b>28,000</b>	<b>15,000</b>	<b>1,200</b>	<b>5,900</b>	NA	NA	NA	NA	NA	NA	<b>800,000</b>
	11/06/00	<b>80,000</b>	<b>1,700</b>	<b>920,000</b>	<b>23,000</b>	<b>12,000</b>	<b>1,200</b>	<b>5,000</b>	<13,000	<13,000	<13,000	<63,000	<13,000	<13,000	<b>540,000</b>
	02/22/01	<b>80,000</b>	<b>2,000</b>	<b>460,000</b>	<b>19,000</b>	<b>12,000</b>	<b>1,100</b>	<b>3,200</b>	<5,000	<5,000	<5,000	<2,500	<5,000	<5,000	<b>440,000</b>
	02/22/01†	<b>84,000</b>	<b>2,400</b>	<b>500,000</b>	<b>20,000</b>	<b>13,000</b>	<b>1,200</b>	<b>3,400</b>	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	<b>400,000</b>
	05/07/01	<b>100,000</b>	<b>7,600</b>	<b>520,000</b>	<b>25,000</b>	<b>16,000</b>	<b>1,700</b>	<b>6,600</b>	<5,000	<5,000	<5,000	<2,500	<5,000	<5,000	<b>460,000</b>
	05/07/01†	<b>100,000</b>	<b>8,200</b>	<b>500,000</b>	<b>25,000</b>	<b>17,000</b>	<b>1,700</b>	<b>6,700</b>	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	<b>530,000</b>
	08/22/01	<b>110,000</b>	<b>22,000</b>	<b>250,000</b>	<b>18,000</b>	<b>12,000</b>	<b>2,000</b>	<b>9,400</b>	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	<b>240,000</b>
	11/04/01	<b>85,000</b>	<b>6,500</b>	<b>180,000</b>	<b>17,000</b>	<b>2,700</b>	<b>2,100</b>	<b>9,700</b>	<5,000	<5,000	<5,000	<13,000	<5,000	<5,000	<b>150,000</b>
	02/15/02	<b>96,000</b>	<b>21,000</b>	<b>200,000</b>	<b>21,000</b>	<b>7,300</b>	<b>2,600</b>	<b>13,000</b>	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	<b>180,000</b>
	02/15/02†	<b>160,000</b>	<b>29,000</b>	<b>200,000</b>	<b>30,000</b>	<b>27,000</b>	<b>3,700</b>	<b>19,000</b>	<5,000	<5,000	<5,000	<25,000	<5,000	<5,000	<b>170,000</b>
05/20/02	<b>140,000</b>	<b>310,000</b>	<b>220,000</b>	<b>24,000</b>	<b>21,000</b>	<b>3,800</b>	<b>20,000</b>	<5,000	<5,000	<5,000	<50,000	<5,000	<5,000	<b>180,000</b>	
08/01/02	<b>110,000</b>	<b>160,000</b>	<b>150,000</b>	<b>15,000</b>	<b>16,000</b>	<b>4,000</b>	<b>21,000</b>	<2,500	<2,500	<2,500	<25,000	<2,500	<2,500	<b>120,000</b>	

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**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-7	11/11/02	110,000	240,000	77,000	14,000	11,000	4,100	19,000	<1,200	<1,200	<1,200	<12,000	<1,200	<1,200	74,000
	02/12/03	130,000	75,000	110,000	25,000	8,900	3,400	17,000	<1,700	<1,700	<1,700	<17,000	<1,700	<1,700	87,000
	05/12/03	98,000	7,100	220,000	25,000	520	2,600	12,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	140,000
	08/11/03	90,000	12,000	140,000	15,000	1,100	2,600	12,000	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	140,000
	01/09/04	130,000	18,000	120,000	9,500	340	190	3,700	<1.0	<1.0	900	<10	<0.5	420	NA
	04/14/04	330,000	22	220,000	23,000	300	1,900	5,600	<1.0	<1.0	660	<10	<0.5	400	NA
	07/21/04	120,000	14	71,000	11,000	730	1,000	1,250	<1.0	<1.0	370	<10	<0.5	300	NA
	10/20/04	130,000	8.4	39,000	14,000	420	600	380	<1.0	<1.0	290	<10	<0.5	180	NA
	03/19/05	130,000	22,000	40,000	23,000	1,400	2,200	6,800	<1.0	<1.0	17	290	<0.5	29	NA
	06/25/05	1,100,000	45,000	49,000	31,000	31,000	7,500	32,000	<1.0	<1.0	93	400	<0.5	75	NA
	09/17/05	100,000	38,000	28,000	31,000	16,000	8,500	31,000	<1.0	<1.0	<1.0	7,400	<0.5	<0.5	NA
	12/26/05	99,000	33,000	14,000	20,000	6,000	1,700	11,900	<1.0	<1.0	<1.0	83,000	<0.5	<0.5	NA
	03/23/06	160,000	48,000	2,400	23,000	22,000	13,000	43,000	<1.0	<1.0	44	14,000	<0.5	330	NA
	06/03/06	170,000	44,000	9,000	48,000	5,200	5,600	23,200	<1.0	<1.0	55	4,800	<0.5	190	NA
	08/30/06	240,000	62,000	3,600	77,000	12,000	30,000	63,000	<1.0	<1.0	77	300	<0.5	21	NA
	12/04/06	110,000	44,000	3,300	7,200	490	950	2,800	20	<1.0	58	28,000	<0.5	86	NA
	02/28/07	32,000	16,000	1,600	1,800	65	610	1,249	<1.0	<1.0	12	<10	<0.5	16	NA
	05/29/07	29,000	64,000	1,700	920	18	180	272	<1.0	<1.0	15	<10	<0.5	28	NA
	08/20/07	33,000	70,000	760	2,000	22	86	120	<1.0	<1.0	13	<10	<0.5	45	NA
	10/25/07	41,000	83,000	1,300	3,800	53	380	1,521	<1.0	<1.0	18	<10	<0.5	65	NA
01/25/08	32,000	48,000	4,500	3,000	55	170	853	12	<1.0	56	<10	<0.5	96	NA	
04/30/08	34,000	44,000	4,500	1,900	12	90	192.1	15	<1.0	61	<10	<0.5	61	NA	
07/30/08	56,000	54,000	5,100	3,300	25	38	270	15	<1.0	67	<10	<0.5	84	NA	
MW-8	08/30/00	<1,000	690	NA	18	<2.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	28,000
	11/06/00	<3,300	810	76,000	<8.0	<5.0	<3.0	<7.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	120,000

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Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-8	02/22/01	<2,500	<b>1,100</b>	<b>130,000</b>	<b>53</b>	<3.0	<3.0	<3.0	<2,000	<2,000	<2,000	<10,000	<2,000	<2,000	<b>99,000</b>
	05/07/01	<5,000	<b>1,300</b>	<b>120,000</b>	<b>32</b>	<10	<5.0	<5.0	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	<b>110,000</b>
	08/22/01	<4,000	<b>1,200</b>	<b>86,000</b>	<5.0	<5.0	<5.0	<b>16</b>	<1,700	<1,700	<1,700	<8,500	<1,700	<1,700	<b>76,000</b>
	11/04/01	<b>590</b>	<b>1,100</b>	<b>49,000</b>	<b>6.9</b>	<0.5	<0.5	<0.5	<2,500	<2,500	<2,500	<13,000	<2,500	<2,500	<b>60,000</b>
	02/15/02	<3,400	<b>1,500</b>	<b>91,000</b>	<5.0	<5.0	<5.0	<5.0	<2,500	<2,500	<2,500	<12,500	<2,500	<2,500	<b>110,000</b>
	05/20/02	<1,700	<b>2,200</b>	<b>86,000</b>	<17	<17	<17	<17	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	<b>66,000</b>
	08/01/02	<1,200	<b>2,800</b>	<b>67,000</b>	<12	<12	<12	<12	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	<b>53,000</b>
	11/11/02	<2,000	<b>11,000</b>	<b>51,000</b>	<10	<b>18</b>	<10	<10	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	<b>48,000</b>
	02/12/03	<1,700	<b>5,800</b>	<b>51,000</b>	<17	<17	<17	<17	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	<b>49,000</b>
	05/12/03	<2,500	<b>4,500</b>	<b>60,000</b>	<b>94</b>	<25	<25	<25	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	<b>52,000</b>
	08/11/03	<2,500	<b>23,000</b>	<b>42,000</b>	<b>92</b>	<25	<25	<25	<1,000	<1,000	<1,000	<10,000	<1,000	<1,000	<b>42,000</b>
	01/09/04	<b>51,000</b>	<b>12,000</b>	<b>50,000</b>	<b>2.4</b>	<0.5	<0.5	<b>2.1</b>	<1.0	<1.0	160	<10	<1.0	<1.0	NA
	04/14/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
	07/21/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
	10/20/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
	03/19/05	<b>80,000</b>	<b>100,000</b>	<b>13,000</b>	<b>45</b>	<b>38</b>	<b>77</b>	<b>530</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/25/05	<b>60,000</b>	<b>82,000</b>	<b>1,600</b>	<b>18</b>	<b>5.9</b>	<b>3</b>	<b>54</b>	<1.0	<1.0	12	<b>3,700</b>	<0.5	<0.5	NA
	09/17/05	<b>80,000</b>	<b>89,000</b>	<b>1,400</b>	<b>23</b>	<b>2.7</b>	<b>&lt;0.5</b>	<b>25</b>	<1.0	<1.0	17	<b>88,000</b>	<0.5	<0.5	NA
	12/26/05	<b>24,000</b>	<b>37,000</b>	<b>180</b>	<b>270</b>	<b>65</b>	<b>14</b>	<b>127</b>	<1.0	<1.0	<1.0	<b>11,000</b>	<0.5	<0.5	NA
	03/23/06	<b>1,200</b>	<b>4,000</b>	<b>310</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>880</b>	<0.5	<0.5	NA
	06/03/06	<b>1,800</b>	<b>4,800</b>	<b>390</b>	<b>60</b>	<b>9.9</b>	<b>7.3</b>	<b>11.6</b>	<1.0	<1.0	<b>3</b>	<b>2,100</b>	<0.5	<0.5	NA
	08/30/06	<b>6,000</b>	<b>6,200</b>	<1.0	<b>36</b>	<b>6.1</b>	<b>12</b>	<b>29.5</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<b>400</b>	<b>2,800</b>	<b>31</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<b>2,400</b>	<0.5	<0.5	NA
02/28/07	<b>3,100</b>	<b>5,200</b>	<b>83</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
05/29/07	<b>6,000</b>	<b>39,000</b>	<b>54</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-8	08/20/07	<b>11,000</b>	<b>50,000</b>	<b>11</b>	<0.5	<0.5	<0.5	<b>3</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<b>8,200</b>	<b>44,000</b>	<b>7.2</b>	<0.5	<0.5	<0.5	<b>3.6</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<b>7,400</b>	<b>41,000</b>	<1.0	<0.5	<0.5	<0.5	<b>3.6</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<b>8,000</b>	<b>2,900</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/30/08	<b>14,000</b>	<b>4,000</b>	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
MW-9	08/30/00	<50	<b>770</b>	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	<b>97</b>
	11/06/00	<50	<b>390</b>	<b>220</b>	<0.5	<0.5	<0.5	<0.5	<25	<25	<25	<125	<5.0	<5.0	<b>190</b>
	02/22/01	<50	<b>240</b>	<b>160</b>	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<b>120</b>
	05/07/01	<50	<b>190</b>	<b>150</b>	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<13	<2.5	<2.5	<b>120</b>
	08/22/01	<50	<b>120</b>	<b>120</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<b>120</b>
	11/04/01	<50	<b>160</b>	<b>120</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<b>130</b>
	02/15/02	<50	<b>150</b>	<b>98</b>	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<12.5	<2.5	<2.5	<b>92</b>
	05/20/02	<50	<b>380</b>	<b>85</b>	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<25	<2.5	<2.5	<b>79</b>
	08/01/02	<50	<b>320</b>	<b>84</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<b>74</b>
	11/11/02	<50	<b>150</b>	<b>61</b>	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<25	<2.5	<2.5	<b>76</b>
	02/12/03	<50	<b>350</b>	<b>50</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<b>55</b>
	05/12/03	<50	<b>380</b>	<b>45</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<b>45</b>
	08/11/03	<50	<b>88</b>	<b>42</b>	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<b>36</b>
	01/09/04	<b>200</b>	<50	<b>140</b>	<0.5	<0.5	<0.5	<b>4.7</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/14/04	<b>180</b>	<50	<b>180</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/21/04	<50	<50	<b>24</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/20/04	<b>80</b>	<50	<b>78</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
03/19/05	<b>100</b>	<50	<b>87</b>	<b>10</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
06/25/05	<b>100</b>	<50	<b>92</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
09/17/05	<b>100</b>	<50	<b>85</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-9	12/26/05	<50	<50	<b>19</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/23/06	<50	<50	<b>19</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<50	<50	<1.0	<b>7.7</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<50	<50	<b>34</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<b>3.8</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<50	<50	<b>8.9</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<b>3.5</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/01/02	<50	<b>720</b>	<b>1.1</b>	<b>1</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	11/11/02	<50	<b>100</b>	<b>0.7</b>	<b>0.72</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	02/12/03	<50	<b>71</b>	<0.5	<b>0.63</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	05/12/03	<50	<b>96</b>	<b>0.59</b>	<b>0.56</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	08/11/03	<50	<b>110</b>	<b>0.73</b>	<b>0.93</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	01/09/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/14/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/21/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/20/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	09/17/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/26/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/23/06	<50	<50	<1.0	<b>8.5</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-10	06/03/06	<50	<50	<1.0	<b>3.9</b>	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<1.0	<b>3.2</b>	<0.5	<b>1.2</b>	<b>1.3</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<b>600</b>	<50	<1.0	<0.5	2.4	<0.5	<b>40</b>	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
MW-11	05/20/02	<50	<b>95</b>	<b>310</b>	<b>1.5</b>	<b>3</b>	<0.5	<b>1.4</b>	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<b>260</b>
	08/01/02	<50	<b>190</b>	<b>65</b>	<0.5	<b>1.9</b>	<b>0.6</b>	<0.5	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<b>52</b>
	11/11/02	<50	<b>140</b>	<b>15</b>	<0.5	<b>2.1</b>	<b>1.1</b>	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<b>23</b>
	02/12/03	<50	<b>86</b>	<b>2.6</b>	<0.5	<b>1.7</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	05/12/03	<50	<b>62</b>	<b>2.3</b>	<0.5	<b>1.1</b>	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0
	08/11/03	<50	<b>72</b>	<b>2.3</b>	<0.5	<b>0.66</b>	<0.5	<0.5	<1.0	<1.0	<1.0	<5.0	<0.5	<0.5	<5.0
	01/09/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/14/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/21/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/20/04	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	09/17/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
12/26/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	



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**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B											8021
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-11	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<b>110</b>	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
MW-12	10/20/04	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	09/17/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/26/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	02/28/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B										8021	
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-12	07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
MW-13	10/20/04	<b>100</b>	<50	<b>99</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/25/05	<50	<50	<b>31</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	09/17/05	<50	<50	<b>40</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/26/05	<50	<50	<b>17</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/04/06	<50	<50	<b>63</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	02/28/07	<50	<50	<b>6.5</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<b>41</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<b>6.7</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<50	<50	<b>15</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	
MW-14	10/20/04	<b>490</b>	<50	<b>90</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/19/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/25/05	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	09/17/05	<50	<50	<b>12</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	12/26/05	<50	<50	<b>6.1</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	03/23/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	06/03/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
08/30/06	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA	

**TABLE 2**  
**ANALYTICAL RESULTS OF GROUND WATER SAMPLES**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**  
**(µg/l)**

Sample I.D.	Date	8015M		8260B										8021	
		TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	DIPE	ETBE	TAME	TBA	EDB	1,2-DCA	MTBE
MW-14	12/04/06	<50	<50	<b>36</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	02/28/07	<50	<50	<b>8.7</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	05/29/07	<50	<50	<b>59</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	08/20/07	<50	<50	<b>10</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	10/25/07	<b>150</b>	<50	<b>140</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<b>120</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<b>220</b>	<50	<b>210</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/30/08	<50	<50	<b>41</b>	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
MW-15	10/25/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
MW-16	10/25/07	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	01/25/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	04/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA
	07/30/08	<50	<50	<1.0	<0.5	<0.5	<0.5	<0.6	<1.0	<1.0	<1.0	<10	<0.5	<0.5	NA

*Notes:*

µg/l: micrograms per liter

‡: duplicate sample

NA: not analyzed

NS: not sampled

TPH-g: total petroleum hydrocarbons quantified as gasoline

TPH-d: total petroleum hydrocarbons quantified as diesel

1,2-DCA: 1,2-dichloroethane

MTBE: methyl tertiary-butyl ether

DIPE: di-isopropyl ether

ETBE: ethyl tertiary-butyl ether

TAME: tertiary-amyl methyl ether

TBA: tertiary-butyl alcohol

EDB: 1,2-dibromoethane

**TABLE 3**  
**GEOCHEMICAL PARAMETERS**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**

Sample I.D.	Date	ORP (mV)	Dissolved Oxygen	
			mg/l	%
MW-4	10/08/05	--	--	--
	11/21/05	--	--	--
	12/26/05	-167.2	1.18	12.8
	01/05/06	-136	1.57	16.6
	02/15/06	-131	2.69	27.7
	03/23/06	--	--	--
	04/27/06	--	--	--
	05/22/06	--	--	--
	06/01/06	--	--	--
	08/11/06	--	--	--
	12/04/06	-105.1	1.12	12.6
	01/19/07	--	--	--
	05/29/07	--	--	--
	07/19/07	-85	0.64	7.5
	08/09/07	-77.6	0.95	11.5
	09/10/07	-88	2.05	24.7
	12/21/07	-68.7	2.48	15.7
01/29/08	-64.2	2.47	2.46	
04/30/08	-62.3	1.53	16.8	
07/30/08	-90.7	-0.02	-0.3	
MW-5	10/08/05	39.6	3.68	42.4
	11/21/05	-12.6	1.17	13
	12/26/05	-179.8	1.17	18.8
	01/05/06	--	--	--
	02/15/06	--	--	--
	03/23/06	-220.4	0.82	8.4
	04/27/06	-119.7	0.83	9
	05/22/06	-122.8	2.05	23.6
	06/01/06	-76	0.52	6.1
	08/11/06	481	1.48	18
	12/04/06	-105.1	0.58	6.3
	01/19/07	-103.2	0.72	7.2
	05/29/07	--	--	--
	07/19/07	-157	0.67	8
	08/09/07	-103.3	0.77	9.3
	09/10/07	-101.4	1.19	14.6
	12/21/07	47.3	2.22	18.2
03/18/08	71.6	0.85	8.9	
04/30/08	-101.0	1.53	7.9	
MW-6	10/08/05	25.4	4.62	53.5
	11/21/05	91.2	1	11.1
	12/26/05	-148.5	1.58	14.4
	01/05/06	-106.4	2.29	24.5
	02/15/06	-46	3.06	31.1
	03/23/06	-203.2	1.37	14.3
	04/27/06	-125.3	0.82	8.8
	05/22/06	-85.1	1.52	17.2
	06/01/06	-176	0.38	4.5
	08/11/06	--	--	--
	12/04/06	-74.6	0.98	10.7
	01/19/07	-27.2	1.16	11.8

**TABLE 3**  
**GEOCHEMICAL PARAMETERS**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**

Sample I.D.	Date	ORP (mV)	Dissolved Oxygen	
			mg/l	%
	05/29/07	--	--	--
	07/19/07	-142	0.82	10
	08/09/07	-91.8	1.23	14.9
	09/10/07	-103.3	1.2	14.6
	12/21/07	-70.6	3.79	23.7
	01/29/08	-120.3	1.31	13.4
	03/18/08	86.7	1.14	12.1
	04/30/08	-122.8	1.13	12.8
	07/30/08	-135.7	1.04	12.6
MW-7	10/08/05	16.5	5.01	59.6
	11/21/05	-2.5	1.15	13.4
	12/26/05	-141.4	0.79	8.6
	01/05/06	-92.4	1.02	10.9
	02/15/06	-91	3.41	35.4
	03/23/06	--	--	--
	04/27/06	-176.4	0.46	5.1
	05/22/06	-127.5	1.3	15.1
	06/01/06	--	--	--
	08/11/06	--	--	--
	12/04/06	-108.4	0.82	9.2
	01/19/07	-124.2	0.36	3.8
	05/29/07	--	--	--
	07/19/07	-133	0.41	5
MW-7	08/09/07	--	--	--
	09/10/07	-68.9	1.91	23.6
	12/21/07	-72.4	2.38	16.2
	01/29/08	-136.8	0.79	8.0
	03/18/08	74.1	1.09	11.7
	04/30/08	-130.2	1.06	11.3
	07/30/08	-88.8	0.88	10.0
MW-8	10/08/05	43.7	3.98	47.2
	11/21/05	-12.4	0.65	7.5
	12/26/05	--	--	--
	01/05/06	-144.5	0.55	5.9
	02/15/06	-89	2.74	28.3
	03/23/06	-225.8	0.69	7.4
	04/27/06	-130.3	0.51	5.4
	05/22/06	-64.5	0.71	8.1
	06/01/06	-122.1	0.38	4.4
	08/11/06	--	--	--
	12/04/06	-104.1	0.52	5.8
	01/19/07	-119.2	0.35	3.6
	05/29/07	--	--	--
	07/19/07	-150	0.62	7.5
	08/09/07	--	--	--
	09/10/07	-103.6	0.63	8
	12/21/07	-34.7	3.7	19.1
	01/29/08	-42.7	0.9	8.6
	03/18/08	91.9	0.68	7.3
	04/30/08	-143.5	0.45	5.0
	07/30/08	-119.4	0.43	5.1

**TABLE 3**  
**GEOCHEMICAL PARAMETERS**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5th Street, Oakland, California**

Sample I.D.	Date	ORP (mV)	Dissolved Oxygen	
			mg/l	%
MW-14	10/08/05	17.5	4.1	48.3
	11/21/05	87.4	1.9	21.4
	12/26/05	-67.8	2.1	23.4
	01/05/06	-6.9	1.4	15.2
	02/15/06	-54	4.4	45.8
	03/23/06	-209	0.7	7.9
	04/27/06	30.5	1.7	18.4
	05/22/06	-8.7	1.5	17.3
	06/01/06	106.9	0.7	7.6
	08/11/06	--	--	--
	12/04/06	53.1	2.12	22.9
	01/19/07	-27.1	0.59	7.1
	05/29/07	--	--	--
	07/19/07	-6.8	0.93	11
	08/09/07	74.7	1	11.9
	09/10/07	19.5	1.25	15.3
	12/21/07	-10.8	2.25	15.1
	01/29/08	88.8	1.58	15.6
	03/18/08	87.8	3.51	37.8
	04/30/08	-57.0	1.17	12.7
	07/30/08	2.6	-0.02	-0.3

Notes:

ORP            oxygen reduction potential

mV:           millivolts

mg/l:          milligrams per liter

-:              not measured

**Table 4**  
**Ozone System Operation and Maintenance**  
**Rinehart Oil, Inc. - Oakland Truck Stop**  
**1107 5th Street, Oakland, California**

Date	"West" Ozone System Unit			"East" Ozone System Unit		
	Hours	Flow (cfh)	Maintenance Notes	Hours	Flow (cfh)	Maintenance Notes
01/05/06	640	17	Installed hose clamps on all flow lines to prevent leaks. All wells set to 1-hr cycles and 2-hr off time.	596	20	Installed hose clamps on all flow lines to prevent leaks. All wells set to run for 1-hr cycles and 1-hr off time.
01/16/08	NM	16	All wells set to run for 1-hr cycles, 2 to 3 times daily.	NM	17	System re-started. All wells set to run for 1-hr cycles, 2 to 3 times daily.
02/15/06	1,511	15	Operational - no maintenance required.	1,469	18	Operational - no maintenance required.
03/23/06	2,272	12	Operational - no maintenance required.	2,162	NM	System down - power is on-line, but there is no flow.
04/27/06	2,950	NM	Turned down unit - ozone generator line clogged.	2,393	NM	System down - power is on-line, but there is no flow.
05/22/06	3,083	12	Operational - no maintenance required.	2,793	15	Repaired broken injection line.
06/01/06	3,301	12	Operational - no maintenance required.	3,009	15	Repaired broken injection line.
07/05/06	4,117	NM	System shut down. Repairs needed.	NM	NM	Operational - no maintenance required.
08/11/06	NM	NM	System off-line for repairs.	NM	NM	Operational - no maintenance required.
08/30/06	NM	NM	System off-line for repairs.	NM	NM	Operational - no maintenance required.
12/04/06	NM	NM	System off-line for repairs.	6,565	16	Repaired broken injection line.
12/16/08	NM	NM	System repaired and on-line.	NM	NM	Operational - no maintenance required.

**Table 4**  
**Ozone System Operation and Maintenance**  
**Rinehart Oil, Inc. - Oakland Truck Stop**  
**1107 5th Street, Oakland, California**

Date	"West" Ozone System Unit			"East" Ozone System Unit		
	Hours	Flow (cfh)	Maintenance Notes	Hours	Flow (cfh)	Maintenance Notes
12/19/06	NM	NM	Operational - no maintenance required.	NM	NM	Repaired cracks in ozone lines. Adjusted sparge cycles from 1-hr cycles to 1/2-hr cycles.
01/19/07	5,073	12	Operational - no maintenance required.	7,535	12	Operational - no maintenance required.
03/13/07	NM	NM	System shut for ozone well destructions.	NM	NM	Operational - no maintenance required.
05/29/07	NM	NM	System shut down for ozone well destructions.	NM	NM	Operational - no maintenance required.
07/19/07	NM	NM	Ozone sparge points reinstalled.	11,472	12	Repaired broken injection line.
07/27/07	6,173	12	System reactivated, fully operational. Adjusted sparge cycles from 1/2 hour cycles to 1-hr cycles. Cleared and replaced lines.	11,646	10	Operational - Adjusted sparge cycles from 1/2-hr cycles to 1-hr cycles. Cleared and replaced lines.
08/09/07	6,477	12	Operational - no maintenance required.	11,949	10	Operational - no maintenance required.
09/10/07	NM	NM	Operational - no maintenance required.	NM	NM	Operational - no maintenance required.
12/21/07	9,514	NM	Operational - no maintenance required.	15,058	NM	Operational - no maintenance required.
01/29/08	NM	NM	Operational - no maintenance required.	NM	NM	Operational - no maintenance required.
03/18/08	11,691	11	Operational - no maintenance required.	17,163	10	Operational - no maintenance required.



**Table 4**  
**Ozone System Operation and Maintenance**  
**Rinehart Oil, Inc. - Oakland Truck Stop**  
**1107 5th Street, Oakland, California**

Date	"West" Ozone System Unit			"East" Ozone System Unit		
	Hours	Flow (cfh)	Maintenance Notes	Hours	Flow (cfh)	Maintenance Notes
4/28-29-30/2008	12,682	10	Operational - no maintenance required.	18,154	10	Not producing Ozone. Manufacturer contacted.
06/14/08	NM	NM	Not producing Ozone. Manufacturer contacted.	NM	NM	System re-start, lines blown-out/cleared, fittings replaced: still not producing Ozone.
06/17/08	NM	NM	Manufacturer on-site. Troubleshooting. Sytem not producing Ozone.	NM	NM	Manufacturer on-site. Troubleshooting. Sytem not producing Ozone.
06/21/08	NM	NM	Lines blown-out/cleared, fittings replaced: still not producing Ozone. Manufacturer states new Oxygen compressor required.	NM	NM	System not producing Ozone. Manufacturer state new Ozone generator required.
09/02/08	13,837	19	Operational - no maintenance required.	18,224	20	Reconnect well tubes and set timers.
09/11/08	14,050	20	Operational - no maintenance required.	18,437	20	Operational - no maintenance required.
09/16/08	14,167	20	Operational - no maintenance required.	18,554	20	Operational - no maintenance required.
09/25/08	14,380	20	Operational - no maintenance required.	18,767	20	Operational - no maintenance required.

Notes:

cfh: cubic feet per hour

NM: not measured

# **APPENDIX A**

**Appendix A - Historical Background**  
**Rinehart Oil, Inc - Oakland Truck Stop**  
**1107 5<sup>th</sup> Street, Oakland, California**

A.1. BACKGROUND

The site is located at 1107 5<sup>th</sup> Street in a commercial and industrial area of west Oakland, California (Figure 1). The property contains a service station building, four fuel dispenser islands, a truck scale, scale house, and two underground storage tanks (USTs). The site has been operating as a truck stop for the past 40 years.

A.2. REGIONAL GEOLOGIC/HYDROGEOLOGIC SETTING

The site is situated within the Coast Range Geomorphic Province of California. This geomorphic province contains coastal foothills and mountains and extends from the Tehachapi Mountains in the south to the Klamath Mountains in the north. The western and eastern boundaries of this province are comprised of the Pacific Ocean and the Great Valley Geomorphic Province, respectively.

The site is located in the Franciscan Complex, which is subdivided into four major divisions identified as the Northern Coast Range, the Franciscan Block, the Diablo Range, and the Nacimiento Block. The site is situated within the Franciscan Block, an assemblage of variably deformed and metamorphosed rock units. The surface is composed of Quaternary alluvium; at depth, the site is underlain by rocks of the Franciscan Complex, which are composed predominately of detrital sedimentary rocks with volcanic tuffs and deep ocean marine sediments. The Franciscan lithologies typically have low porosity and permeability.

Based upon the General Soil Map from the *Soil Survey of Alameda County, Western Part*, issued by the United States Department of Agriculture Soil Conservation Service in 1981, the site area is situated within the Urban Land-Danville complex. This complex is located on low terraces and alluvial fans at an elevation of about 20 feet to 300 feet above mean sea level (MSL), and consists of approximately 60% Urban Land, 30% Danville soil, and 10% other soils. Danville soil is a silty clay loam that formed in alluvium originating primarily from sedimentary rock; Urban land consists of areas covered by roads, parking lots, and buildings. The nearest surface water feature in the vicinity of the property is the Oakland Estuary, approximately 2,400 feet to the south of the property.

Beginning in October 1996, ground water monitoring has been conducted at the site to assess the seasonal variation of elevation, gradient, and flow direction, and to define the impact of petroleum hydrocarbon compounds and fuel oxygenating compounds in shallow ground water beneath the site. Based on data from previous monitoring events, ground water at the property varies seasonally between approximately 10 inches to 6 feet below surface grade (bsg). The ground water flow has varied from southwest to north. This may be affected by changing recharge and discharge patterns, as well as leaking pipes.

### A.3. UNDERGROUND STORAGE TANK REMOVAL

In March 1999, two 10,000-gallon diesel USTs, one 10,000-gallon gasoline UST, and one 8,000-gallon gasoline UST were removed from the site. The approximate location of the former USTs is shown on Figure 2.

Interim remedial action was performed during the UST removal to address contaminated soil and ground water. Approximately 2,100 tons of contaminated soil were removed from the excavation. Soil samples were collected from the excavation and stockpiles as directed by the Fire Inspector. Contaminated ground water was removed from the excavation pit; approximately 33,000 gallons of water were pumped into temporary storage tanks, which were then transported and disposed off-site. Approximately 1,700 tons of backfill was placed in the excavation. Results of the soil samples taken during the excavation are not available.

### A.4. PREVIOUS SITE ASSESSMENT ACTIVITIES

In November 1996, ground water monitoring wells MW-1 through MW-3 were installed to a depth of 20 feet bsg to assess contamination from an unauthorized release of fuel, which was repaired as soon as it was discovered. Product recovery sumps equipped with skimmers were installed in the wells and approximately 6 gallons of gasoline were recovered.

Monitoring well MW-2 was destroyed in January 1999. Additional monitoring wells MW-4 through MW-9 were installed to a total depth of 20 feet bsg in August 2000. Contamination was detected in each of the wells, and free product was occasionally evident in well MW-7.

Monitoring wells MW-10 and MW-11 were installed in May 2002 to a total depth of 12 feet bsg. At this time, well MW-3 was abandoned and well MW-3N was installed to a depth of 12 feet bsg.

In July 2002, eight soil borings were advanced on 5<sup>th</sup> Street and Chestnut Street to total depths between 5 feet and 8 feet bsg to determine if contamination was migrating off-site along preferential pathways (i.e. utility trenches). Sample results indicated high methyl tertiary-butyl ether (MTBE) concentrations that ranged from 170,000 micrograms per liter ( $\mu\text{g/l}$ ) to 460,000  $\mu\text{g/l}$  in grab ground water samples from borings drilled directly north of the site, along the 5<sup>th</sup> Street sewer line. Borings east of the site had little to no contamination.

In January 2003, a passive skimmer was placed inside monitoring well MW-7 to remove free product. During monitoring activities in April 2004, free-product was noted in MW-8. The passive skimmer in MW-7 was moved to MW-8 to remove the free product.

On 04 and 05 October 2004, a total of thirteen soil borings were advanced at the site. Boring MW14 and the ten ozone sparge well borings were advanced at the north edge of the property to vertical depths of 20 feet and 15 feet below surface grade (bsg), respectively. Borings MW12 and MW13 were advanced in the 5<sup>th</sup> Street right of way to the north of the property to a vertical depth of 20 feet bsg. Pilot borings MW12 through MW14 were completed as ground water monitoring wells using 2-inch diameter polyvinylchloride (PVC) casing with a 0.020-inch slotted screen installed from 5 feet to 20 feet bsg. The ozone sparge well soil borings were completed with manufacturer-assembled, 2-inch by 24-inch microporous sparge points and blank casing extended to the surface, with a filter pack (No. 2/12 Lonestar sand) installed from 9 feet to 13 feet bsg. A total of three soil samples, taken from the monitoring well pilot borings, were analyzed for petroleum hydrocarbon constituents. In sample MW14-10, 1.8 milligrams per kilogram (mg/kg) TPH-d and 2.0 mg/kg MTBE were detected.

On 05, 06, and 07 July 2006, five soil borings were advanced on-site to a depth of 40 feet below surface grade (bsg) utilizing a CME-75 HT truck-mounted drill rig. On 18 July 2006, two additional soil borings were advanced on-site near the Adeline Street utility corridor to 20 feet bsg utilizing a van-mounted Geoprobe 5400 direct-push probing unit. All borings were continuously cored from surface grade to total depth. Soil and grab ground water samples were collected at selected intervals based on lithology encountered during drilling; grab ground water samples were collected from borings advanced immediately adjacent to P1 through P5, and at total depth in borings P6 and P7. Soil samples were collected between depths of 6 feet and 40 feet bsg from borings P1 through P7 and analyzed for petroleum hydrocarbon constituents. TPH-g was detected in soil samples P1-6, P1-21, P2-8, and P4-7 at concentrations of 210 mg/kg, 2.6 mg/kg, 110 mg/kg, and 10 mg/kg, respectively. TPH-d was detected in samples P1-6, P2-8, and P4-7 at concentrations of 7,600 mg/kg, 680 mg/kg, and 13,000 mg/kg, respectively.

Grab ground water samples were collected from soil borings advanced immediately adjacent to P1 through P5 at selected sandy zones between 10 feet and 35 feet bsg, and from borings P6 and P7 at a depth of 20 feet bsg. TPH-g was detected in boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, in boring P5 at 10 feet and 35 feet bsg, and in borings P6 and P7 at 20 feet bsg at concentrations ranging from 130 µg/l (P6-20-W) to 38,000 µg/l (P4-W-10). TPH-d was detected in boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, and in boring P7 at 20 feet bsg at concentrations ranging from 4,500 µg/l (P1-W-35) to 350,000 µg/l (P4-W-10). BTEX constituents were detected in boring P1 at 20 feet and 35 feet bsg, P5 at 10 feet and 35 feet bsg, and P6 at 20 feet bsg at maximum concentrations of 110 µg/l benzene (P1-W-20), 36 µg/l toluene (P5-W-10), 13 µg/l ethylbenzene (P1-W-35), and 17.3 µg/l total xylenes (P1-W-20). MTBE was detected in samples collected from boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, in boring P5 at 10 feet and 35 feet bsg, and in borings P6 and P7 at 20 feet bsg at concentrations ranging from 4.1 µg/l (P6-20-W) to 11,000 µg/l (P1-W-20). TAME was detected in boring P1 at 20 feet and 35 feet bsg, in boring P4 at 10 feet bsg, and in boring P5 at 10 feet bsg at concentrations ranging from 3.4 µg/l (P5-W-10) to 17 µg/l (P1-W-20). The lead scavenger 1,2-DCA was detected in boring

P1 at 20 feet and 35 feet bsg at concentrations of 4.7 µg/l and 3.4 µg/l, respectively. Benzene was detected in sample P1-21 at a concentration of 0.014 mg/kg. Toluene, ethylbenzene, and xylenes were detected in sample P2-8 at concentrations of 0.22 mg/kg, 0.62 mg/kg, and 4.2 mg/kg, respectively.

#### A.5. STRATIGRAPHY

In general, a distinct zone of gray-brown to black, moist to saturated peat and clay with a strong, stale odor was encountered throughout the site west of boring P1. The top of the peat zone was encountered at depths between approximately 7 feet on the western end of the site and 12 feet on the eastern end in boring P7, with thickness ranging from approximately 7 feet in boring P2 (east) to 20 feet in boring P4 (west). Clay and sandy clay were encountered in borings P3, P4, and P7 at depths above approximately 7 feet bsg, and gray to dark brown, fine-grained and poorly graded sand and silty sand were identified east of boring P1 and throughout the remaining depth intervals in all other borings.

# **APPENDIX B**

**Monitoring and Sampling Procedures**  
**RINEHART OIL, INC. - OAKLAND TRUCK STOP**  
**1107 5<sup>th</sup> Street, Oakland, California**

## GROUND WATER SAMPLING PROCEDURES

Prior to purging and sampling the ground water monitoring wells, static water level was measured using an electric water level indicator. Water level data was recorded to the nearest 0.01 foot from a reference point marked on the top of the PVC well casing. Before and after each use, the measuring device was rinsed with water.

## WELL PURGING

Subsequent to measurement of depth to water and prior to sampling, the well was purged to ensure the sample is representative of ground water in the formation, rather than of water standing in the well casing. Monitoring wells were purged by using a disposable polyethylene bailers. The disposable polyethylene bailers is disposed of after one use and required no decontaminating, minimizing cross contamination due to sampling devices. The wells were purged until: 1) a minimum of three casing volumes was removed from each well; and 2) field-measured ground water parameters including temperature, electrical conductivity, and pH had stabilized. Purge water generated during sampling activities was contained on-site in an appropriately labeled 55-gallon drum.

## SAMPLE WITHDRAWAL

Following 80 percent recovery of ground water within the well after purging, ground water samples were collected from the monitoring wells using disposable polyethylene bailers. These bailers are disposed of after one use and required no decontaminating, minimizing cross contamination due to sampling devices. The samples were drawn and collected in such a manner that agitation and exposure of the ground water to the atmosphere was minimal. Sample containers were filled using the appropriate disposable sampling attachment which allows controlled flow out of the bottom of the bailer.

## SAMPLE HANDLING

Ground water samples are collected into laboratory-supplied 40-ml volatile organic analysis (VOA) vials without preservative; samples are collected with no visible air bubbles present in the vials after filling and capping. Following collection, samples are appropriately labeled, placed on ice, and kept in a cooler until delivered to Cal Tech Environmental Laboratories (CTEL), a State of California Department of Public Health-certified analytical laboratory, for analysis. Samples are analyzed for:



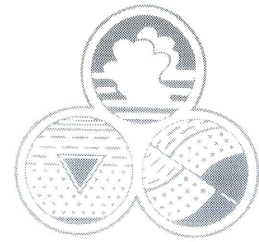
- Total petroleum hydrocarbons quantified as gasoline (TPH-g) in accordance with EPA Method 8015 Modified; and
- Benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and fuel additives methyl tertiary-butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tertiary-amyl methyl ether (TAME), tertiary butanol (TBA), ethylene dibromide (EDB), and 1,2-dichloroethane (1,2-DCA) in accordance with EPA Method 8260B.

#### EQUIPMENT DECONTAMINATION

Prior to sample collection, all sampling tools used for sample collection were thoroughly washed with a solution of Alconox and rinsed with clean water.

# **APPENDIX C**

# Advanced GeoEnvironmental, Inc.



## Ground Water Depth/Dissolved Oxygen/ORP Field Log

Project: RINEHART - OAKLAND TRUCK STOP

Date: 7/30/08

Field Personnel: CT MB  
JS

Page: 1 of 1

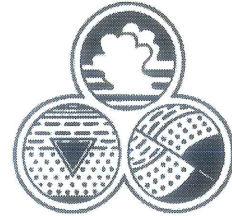
Well I.D.	Time	Casing Elev.	Depth to Free Product	Depth to Water	Ground Water Elev.	Measured Depth	Total Depth	ORP	Dissolved Oxygen		
									mg/l	%	°C
MW-1	1053	10.02'		4.19	5.83	17.80	20'				
3N	1108	11.36'		4.44	6.92	11.60	12'				
4	1100	10.16'		4.76	5.40	13.25	20'	-90.7	-0.02	-0.3	24.53
5	1112	10.19'		4.75	5.44	14.25	20'				
6	1104	10.33'		4.87	5.46	14.10	20'	-135.7	1.04	120	24.21
7	1121	11.41'		6.50	4.91	19.00	20'	-89.8	0.88	100	22.32
8	1117	9.73'		4.16	5.57	18.15	20'	-119.4	0.43	5.1	25.08
9	1056	9.73'		4.05	5.68	19.95	20'				
10	1024	9.42'		3.07	6.35	11.10	12'				
11	1028	10.77'		5.48	5.29	11.80	12'				
12	1041	10.59'		5.73	4.86	20.20	20'				
13	1036	11.29'		6.32	4.97	19.70	20'				
14	1049	11.39'		6.35	5.04	19.55	20'	2.6	-0.02	-0.3	21.92
15	1032			5.98	5.40	18.50					
16	1045			5.64	4.72	19.85					

Version 3.5/20040914/CRM

Advanced

# GeoEnvironmental, Inc.

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## Monitoring Well Field Log

### Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 4.19	Time: 1053	Well I.D.: MW- 1	
Post-Purge DTW: 16.93	Time: 1723		
Total Depth of Well: 17.80	Well Volume: 2.17	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB <u>CT</u> JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 1 /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

### Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1215	0	7.00	26.9	2.59ms	Clear	no odor
1218	2.5	6.87	24.4	3.07ms	Cloudy	"
1220	5	6.77	23.3	4.11ms	"	"
1222	7	6.72	22.4	3.08ms	"	"
* Well draw down to much to sample wait for recharge to sample						
* DTW is 6.23 at sample time						

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1420	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 4.44	Time: 1108	Well I.D.: MW- 3N	
Post-Purge DTW: 5.75	Time: 1304		
Total Depth of Well: 11.60	Well Volume: 1.14	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 3N /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1257	0	6.58	24.9	1712	Clear	slight odor
1258	1.5	6.61	24.6	1670	cloudy	"
300	2.5	6.63	24.2	1641	"	"
1301	3.5	6.63	24.2	1638	"	"

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1306	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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## Monitoring Well Field Log

### Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 4.76	Time: 1100	Well I.D.: MW- 4	
Post-Purge DTW: 10.70	Time: 1328		
Total Depth of Well: 13.25	Well Volume: 1.35	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 4 /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxy 1,2-DCA, EDB		

### Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/ Turbidity	Notes
1322	0	6.47	25.6	755	clear	no odor
1323	1.5	6.56	25.0	751	u	u
1325	3	6.58	23.9	754	clear cloudy	u
1327	4.5	6.58	23.5	760	cloudy	u
↓ Drew down to 10.70 at 1328						
waiting for recharge to sample						
*DTW is 6.50 at sample time						

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1452	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: <del>6.75</del> 4.75	Time: 1112	Well I.D.: MW- 5	
Post-Purge DTW: 4.82	Time: 1333		
Total Depth of Well: 14.25	Well Volume: 1.52	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB <u>CT</u> JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 5 /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

Stabilization Data

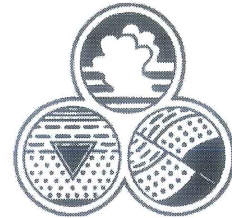
Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1326	0	6.69	26.0	238	Clear	odor
1328	2	6.74	25.4	1925	cloudy	u
1330	3.5	6.73	25.3	1879	u	u
1332	5	6.74	25.3	1872	u	u

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1335	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 4.87	Time: 1104	Well I.D.: MW- 6	
Post-Purge DTW: 5.30	Time: 1853		
Total Depth of Well: 14.10	Well Volume: 1.47	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 6 /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1343	0	6.81	25.3	661	clear	no odor
1346	1.5	6.77	25.0	696	cloudy	u
1349	3	6.85	24.4	705	u	u
1352	4.5	6.87	24.4	703	u	u

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1354	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L



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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 6.50	Time: 1121	Well I.D.: MW- 7	
Post-Purge DTW: 7.94	Time: 1255		
Total Depth of Well: 19.00	Well Volume: 2.00	Casing Diameter: Gal./Ft.:	0.5" 2" 4" 6" 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS		Sample Containers: 3 VOAs, 1 Amber	
Sample I.D.: MW- 7 /073008		Analysis: TPH-g,d/BTEX/5 Fuel Oxy 1,2-DCA, EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/ Turbidity	Notes
1244	0	6.66	27.2	1364	clear	odor
1248	2	6.64	25.5	1356	clear	n
1251	4	6.67	24.5	1353	n	n
1254	6	6.67	23.8	1348	n	n

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1257	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 4.16	Time: 1117	Well I.D.: MW- 8	
Post-Purge DTW: 12.39	Time: 1334		
Total Depth of Well: 18.15	Well Volume: 2.23	Casing Diameter: 0.5" 2" 4" 6" Gal./Ft.: 0.01074 0.16 0.65 1.47	
Sampler(s): MB CT JS		Sample Containers: 3 VOAs, 1 Amber	
Sample I.D.: MW- 8 /073008		Analysis: TPH-g,d/BTEX/5 Fuel Oxy 1,2-DCA, EDB	

Stabilization Data

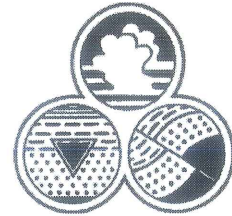
Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1323	0	6.72	27.1	1549	cloudy	odor
1326	2.25	6.77	25.8	1541	n	n
1329	4.5	6.75	24.7	1649	n	n
1333	6.75	6.69	23.8	223ms	n	n
* Well drew down to 12.39 will sample at recharge.						
* DTW is 4.87 at sample time						

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1500	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 4.05	Time: 1054	Well I.D.: MW- 9	
Post-Purge DTW: 7.11	Time: 1242		
Total Depth of Well: 19.95	Well Volume: 2.54	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW-9 /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/ Turbidity	Notes
1230	0	6.64	25.9	2.11ms	Clear	Slight odor
1233	3	6.60	24.8	4.07ms	Cloudy	"
1236	5.5	6.59	24.0	4.25ms	4	4
1239	8	6.55	23.6	4.09ms	4	4

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1243	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

Advanced

GeoEnvironmental, Inc.

837 Shaw Road, Stockton, CA 95205 • (209) 467-1006 • Fax (209) 467-1118



Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 3.07	Time: 1024	Well I.D.: MW- 10	
Post-Purge DTW: 3.52	Time: 1138		
Total Depth of Well: 11.10	Well Volume: 1.28	Casing Diameter:	0.5" 2" 4" 6" Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 10 /073008		Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB	

Stabilization Data

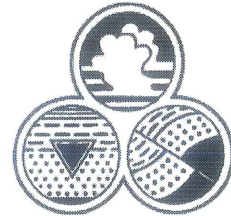
Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1133	0	6.61	25.1	736	Clear	no odor
1135	1.5	6.75	24.6	693	Cloudy	✓
1136	3	6.80	24.6	686	✓	✓
1137	4	6.90	24.5	684	✓	✓

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1140	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 5.48	Time: 1028	Well I.D.: MW- 11	
Post-Purge DTW: 11.38	Time: 1153		
Total Depth of Well: 11.80	Well Volume: 1.01	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS		Sample Containers: 3 VOAs, 1 Amber	
Sample I.D.: MW- 11 /073008		Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1148	0	6.75	25.7	1345	Clear	No odor
1149	1.5	6.80	24.7	1379	clear	"
1152	2.5	6.90	23.9	1459	"	"
	3.5					
* well went dry 2.5 gallons						
wait for recharge to sample						
* DTW is 6.91 at sample time						

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1410	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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## Monitoring Well Field Log

### Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08	
Pre-Purge DTW: 5.73	Time: 1041	Well I.D.: MW- 12		
Post-Purge DTW: 12.50	Time: 1224			
Total Depth of Well: 20.20	Well Volume: 2.31	Casing Diameter:	0.5" 2" 4" 6"	
		Gal./Ft.:	0.01074 0.16 0.65 1.47	
Sampler(s): MB CT JS		Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 12 /073008		Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

### Stabilization Data

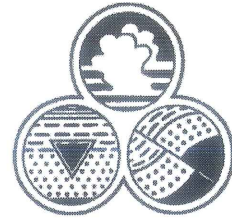
Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1217	0	6.69	20.8	829	clear	no odor
1219	25	6.64	20.5	847	u	u
1221	5	6.62	20.3	885	u	u
1223	7	6.57	20.0	926	u	u
	*Drew down to 12.50					at 1224
	waiting for recharge to					sample
	*DTW is 6.24 at					sample time

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1436	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 6.32	Time: 1036	Well I.D.: MW- 13	
Post-Purge DTW: 16.40	Time: 1159		
Total Depth of Well: 19.70	Well Volume: 2.14	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 13 /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

Stabilization Data

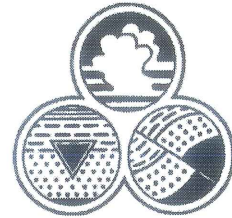
Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1152	0	6.73	19.7	1002	clear	no odor
1154	2.25	6.61	19.4	1013	"	"
1156	4.5	6.54	19.1	1077	"	"
1158	6.5	6.44	19.1	1259	cloudy	"
↓ Drew down to 16.40 at 1159						
waiting for recharge to sample						
↓ DTW is 9.32 at sample time						

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1430	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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## Monitoring Well Field Log

### Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 6.35	Time: 1049	Well I.D.: MW- 14	
Post-Purge DTW: 8.50	Time: 1249		
Total Depth of Well: 19.55	Well Volume: 2.11	Casing Diameter: 0.5" 2" 4" 6"	Gal./Ft.: 0.01074 0.16 0.65 1.47
Sampler(s): MB CT JS	Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 14 /073008	Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

### Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1242	0	6.81	25.1	478	clear	Slight odor
1244	2.25	6.81	23.9	470	near cloudy	u
1246	4.5	6.79	23.3	469	cloudy	u
1248	6.5	6.78	23.0	466	u	u

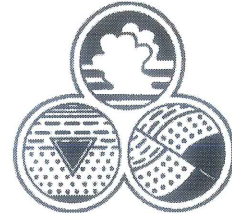
Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1250	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L



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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08	
Pre-Purge DTW: 5.98	Time: 1032	Well I.D.: MW- 15		
Post-Purge DTW: 7.10	Time: 1156			
Total Depth of Well: 18.50	Well Volume: 2.00	Casing Diameter: 0.5" 2" 4" 6"		
		Gal./Ft.: 0.01074 0.16 0.65 1.47		
Sampler(s): MB CT JS		Sample Containers: 3 VOAs, 1 Amber		
Sample I.D.: MW- 15 /073008		Analysis: TPH-g,d/BTEX/5 Fuel Oxys 1,2-DCA, EDB		

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/ Turbidity	Notes
1146	0	6.95	21.0	857	clear	no odor
1149	2	6.82	20.6	936	cloudy	u
1152	4	6.82	20.3	931	u	u
1155	6	6.83	20.2	900	u	u

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1158	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

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Monitoring Well Field Log

Well Data

Project Name: RINEHART - OAKLAND TRUCK STOP		Project No.: AGE-NC-03-1101	Date: 7-30-08
Pre-Purge DTW: 5.64	Time: 1045	Well I.D.: MW- 16	
Post-Purge DTW: 10.64	Time: 1230		
Total Depth of Well: 19.85	Well Volume: 2.27	Casing Diameter: 0.5" 2" 4" 6" Gal./Ft.: 0.01074 0.16 0.65 1.47	
Sampler(s): MB CT JS		Sample Containers: 3 VOAs, 1 Amber	
Sample I.D.: MW- 16 /073008		Analysis: TPH-g,d/BTEX/5 Fuel Oxy 1,2-DCA, EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond $\mu$ S/cm	Color/Turbidity	Notes
1219	0	6.76	20.4	3.84ms	cloudy	no odor
1223	2.5	6.82	20.3	3.85ms	n	n
1226	5	6.81	19.9	3.96ms	n	n
1229	7	6.82	19.5	4.14ms	n	n
* well drew down to 10.64 will sample at recharge.						
* DTW is 5.82 at sample time						

Purge Method:	DISPOSABLE BAILER		
Sample Method:	SAME AS ABOVE	Well Integrity:	
Sample Time:	1442	Dissolved O <sub>2</sub> :	C
WATER ANALYZER: OAKTON		%	mg/L

# **APPENDIX D**

# CAL TECH Environmental Laboratories



6814 Rosecrans Avenue. Paramount, CA 90723-3146  
 Telephone: (562) 272-2700 Fax: (562) 272-2789

## ANALYTICAL RESULTS\*

**CTEL Project No:** CT214-0805026

**Client Name:** Advanced Geo Environmental, Inc.  
 837 Shaw Road  
 Stockton, CA 95215

**Phone:** (209) 467-1006

**Fax:** (209) 467-1118

**Attention:** Mr. Art Deicke

**Project ID:** Global ID: T0607700

**Project Name:** Oakland Truck Stop

**Date Sampled:** 04/30/08 @ 15:00 p.m.

**Matrix:** Water

**Date Received:** 05/02/08 @ 09:00 am

**Date Analyzed:** 05/02/08 – 05/03/08

Laboratory ID:	0805-026-1	0805-026-2	0805-026-3	Method	Units:	Detection Limit
<b>Client Sample ID:</b>	MW1	MW3N	MW4			
<b>Dilution</b>	1	1	1			
<b>TPH - Gasoline</b>	ND	120	ND	EPA 8015M	ug/L	50
<b>TPH - Diesel</b>	8800	ND	7600	EPA 8015M	ug/L	50
<b>VOC, 8260B</b>						
<b>Dilution</b>	1	1	1			
Methyl-tert-butyl-ether(MtBE)	ND	110	ND	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	ND	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	ND	SW846 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	SW846 8260B	ug/L	1
t-Amyl Methyl Ether (TAME)	ND	ND	ND	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	ND	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND	ND	ND	SW846 8260B	ug/L	0.5
Benzene	ND	ND	ND	SW846 8260B	ug/L	0.5
Toluene	ND	ND	ND	SW846 8260B	ug/L	0.5
Ethylbenzene	ND	ND	ND	SW846 8260B	ug/L	0.5
m,p-Xylene	ND	ND	ND	SW846 8260B	ug/L	0.6
o-Xylene	ND	ND	ND	SW846 8260B	ug/L	0.6

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	91	124	86	70-130
1,2 Dichloroethaned4	105	129	102	70-130
Toluene-d8	96	86	96	70-130
Bromofluorobenzene	106	89	109	70-130

**CTEL Project No:** CT214-0805026  
**Client Name:** Advanced Geo Environmental, Inc.  
 837 Shaw Road  
 Stockton, CA 95215  
**Attention:** Mr. Art Deicke

**Phone:** (209) 467-1006  
**Fax:** (209) 467-1118

**Project ID:** Global ID: T0607700  
**Project Name:** Oakland Truck Stop

**Date Sampled:** 04/30/08 @ 12:30 p.m.  
**Date Received:** 05/02/08 @ 09:00 am  
**Date Analyzed:** 05/02/08 – 05/03/08

**Matrix:** Water

Laboratory ID:	0805-026-4	0805-026-5	0805-026-6	Method	Units:	Detection Limit
Client Sample ID:	MW5	MW6	MW7			
Dilution	1-5	1	1-20			
TPH - Gasoline	14000	ND	34000	EPA 8015M	ug/L	50
TPH - Diesel	73000	ND	44000	EPA 8015M	ug/L	50
VOC, 8260B						
Dilution	1	1	1-20			
Methyl-tert-butyl-ether(MtBE)	ND	ND	4500	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	ND<10	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	15	SW846 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	ND<1	SW846 8260B	ug/L	1
t-Amyl Methyl Ether (TAME)	ND	ND	59	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	61	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND	ND	ND<0.5	SW846 8260B	ug/L	0.5
Benzene	ND	ND	1900	SW846 8260B	ug/L	0.5
Toluene	ND	ND	12	SW846 8260B	ug/L	0.5
Ethylbenzene	ND	ND	90	SW846 8260B	ug/L	0.5
m,p-Xylene	ND	ND	190	SW846 8260B	ug/L	0.6
o-Xylene	ND	ND	2.1	SW846 8260B	ug/L	0.6

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	85	119	101	70-130
1,2 Dichloroethane d4	104	129	121	70-130
Toluene-d8	99	77	83	70-130
Bromofluorobenzene	108	90	98	70-130

**CTEL Project No:** CT214-0805026  
**Client Name:** Advanced Geo Environmental, Inc.  
 837 Shaw Road  
 Stockton, CA 95215  
**Attention:** Mr. Art Deicke

**Phone:** (209) 467-1006  
**Fax:** (209) 467-1118

**Project ID:** Global ID: T0607700  
**Project Name:** Oakland Truck Stop

**Date Sampled:** 04/30/08 @ 14:00 p.m.  
**Date Received:** 05/02/08 @ 09:00 am  
**Date Analyzed:** 05/02/08 -- 05/03/08

**Matrix:** Water

<b>Laboratory ID:</b>	0805-026-7	0805-026-8	0805-026-9	<b>Method</b>	<b>Units:</b>	<b>Detection Limit</b>
<b>Client Sample ID:</b>	MW8	MW9	MW10			
<b>Dilution</b>	1	1	1			
<b>TPH - Gasoline</b>	8000	ND	600	FPA 8015M	ug/L	50
<b>TPH - Diesel</b>	2900	ND	ND	EPA 8015M	ug/L	50
<b>VOC, 8260B</b>						
<b>Dilution</b>	1	1	1			
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	ND	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	ND	SW846 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	SW846 8260B	ug/L	1
t-Amyl Methyl Ether (TAME)	ND	ND	ND	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	ND	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND	ND	ND	SW846 8260B	ug/L	0.5
Benzene	ND	ND	ND	SW846 8260B	ug/L	0.5
Toluene	ND	ND	2.4	SW846 8260B	ug/L	0.5
Ethylbenzene	ND	ND	ND	SW846 8260B	ug/L	0.5
m,p-Xylene	ND	ND	22	SW846 8260B	ug/L	0.6
o-Xylene	ND	ND	18	SW846 8260B	ug/L	0.6

ND = Not Detected at the indicated Detection Limit

<b>SURROGATE SPIKE</b>	<b>% SURROGATE RECOVERY</b>			<b>Control Limit</b>
Dibromofluoromethane	89	83	84	70-130
1,2 Dichloroethane d4	101	96	105	70-130
Toluene-d8	103	99	97	70-130
Bromofluorobenzene	107	108	107	70-130

**CTEL Project No:** CT214-0805026  
**Client Name:** Advanced Geo Environmental, Inc.  
 837 Shaw Road  
 Stockton, CA 95215  
**Attention:** Mr. Art Deicke

**Phone:**(209) 467-1006  
**Fax:** (209) 467-1118

**Project ID:** Global ID: T0607700  
**Project Name:** Oakland Truck Stop

**Date Sampled:** 04/30/08 @ 13:03 p.m.  
**Date Received:** 05/02/08 @ 09:00 am  
**Date Analyzed:** 05/02/08 – 05/03/08

**Matrix:** Water

Laboratory ID:	0805-026-10	0805-026-11	0805-026-12	Method	Units:	Detection Limit
Client Sample ID:	MW11	MW12	MW13			
Dilution	1	1	1			
TPH - Gasoline	ND	ND	ND	EPA 8015M	ug/L	50
TPH - Diesel	ND	ND	ND	EPA 8015M	ug/L	50
VOC, 8260B						
Dilution	1	1	1			
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	ND	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	ND	SW846 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	SW846 8260B	ug/L	1
t-Amyl Methyl Ether (TAME)	ND	ND	ND	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	ND	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND	ND	ND	SW846 8260B	ug/L	0.5
Benzene	ND	ND	ND	SW846 8260B	ug/L	0.5
Toluene	ND	ND	ND	SW846 8260B	ug/L	0.5
Ethylbenzene	ND	ND	ND	SW846 8260B	ug/L	0.5
m,p-Xylene	ND	ND	ND	SW846 8260B	ug/L	0.6
o-Xylene	ND	ND	ND	SW846 8260B	ug/L	0.6

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	82	89	101	70-130
1,2 Dichloroethaned4	95	105	124	70-130
Toluene-d8	98	98	96	70-130
Bromofluorobenzene	106	108	106	70-130

**CTEL Project No:** CT214-0805026  
**Client Name:** Advanced Geo Environmental, Inc.  
 837 Shaw Road  
 Stockton, CA 95215  
**Attention:** Mr. Art Deicke

**Phone:** (209) 467-1006  
**Fax:** (209) 467-1118

**Project ID:** Global ID: T0607700  
**Project Name:** Oakland Truck Stop

**Date Sampled:** 04/30/08 @ 14:29 p.m.  
**Date Received:** 05/02/08 @ 09:00 am  
**Date Analyzed:** 05/02/08 – 05/03/08

**Matrix:** Water

Laboratory ID:	0805-026-13	0805-026-14	0805-026-15	Method	Units:	Detection Limit
<b>Client Sample ID:</b>	MW14	MW15	MW16			
<b>Dilution</b>	1	1	1			
<b>TPH - Gasoline</b>	220	ND	ND	EPA 8015M	ug/L	50
<b>TPH - Diesel</b>	ND	ND	ND	EPA 8015M	ug/L	50
<b>VOC, 8260B</b>						
<b>Dilution</b>	1	1	1			
Methyl-tert-butyl-ether(MtBE)	210	ND	ND	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	ND	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	ND	SW846 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	SW846 8260B	ug/L	1
t-Amyl Methyl Ether (TAME)	ND	ND	ND	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	ND	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND	ND	ND	SW846 8260B	ug/L	0.5
Benzene	ND	ND	ND	SW846 8260B	ug/L	0.5
Toluene	ND	ND	ND	SW846 8260B	ug/L	0.5
Ethylbenzene	ND	ND	ND	SW846 8260B	ug/L	0.5
m,p-Xylene	ND	ND	ND	SW846 8260B	ug/L	0.6
o-Xylene	ND	ND	ND	SW846 8260B	ug/L	0.6

ND – Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	123	88	93	70-130
1,2 Dichloroethaned4	124	110	110	70-130
Toluene-d8	91	96	95	70-130
Bromofluorobenzene	98	109	107	70-130

  
 Greg Tejirian  
 Laboratory Director

\*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424



# CAL TECH Environmental Laboratories



6814 Rosecrans Avenue. Paramount, CA 90723-3146  
Telephone: (562) 272-2700 Fax: (562) 272-2789

## QA/QC Report

Method: 8015M

Matrix: Water

Date Analyzed: 5/2/08

Date Extracted: 5/2/08

Perimeters	Conc. ug/L		Spike Added	Recovery %		Control Rec.	Limits RPD	RPD
	MS	MSD		MS	MSD			
TPH - Gasoline	955	931	1000	96	93	70-130	20	3

Perimeters	Method Blank	Units	Det. Limit
TPH - Gasoline	ND	ug/L	50

MS: Matrix Spike

MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

# CAL TECH Environmental Laboratories



6814 Rosecrans Avenue. Paramount, CA 90723-3146  
 Telephone: (562) 272-2700 Fax: (562) 272-2789

## QA/QC Report

Method: 8260B

Matrix: Water

Date Analyzed: 5/2/08

Date Extracted: 5/2/08

Perimeters	Conc. ug/L		Spike Added	Recovery %		Control Limits	RPD	
	MS	MSD		MS	MSD			
1,1-Dichloroethene	44	45	50	88	90	70-130	20	2
Benzene	49	50	50	98	100	70-130	20	2
Trichloroethene	52	52	50	104	104	70-130	20	0
Toluene	53	56	50	106	112	70-130	20	6
Chlorobenzene	44	46	50	88	92	70-130	20	4
m,p-Xylenes	93	99	100	93	99	70-130	20	6

MS: Matrix Spike

MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/L	1
Benzene	ND	ug/L	0.5
Trichloroethene	ND	ug/L	0.5
Toluene	ND	ug/L	0.5
Chlorobenzene	ND	ug/L	0.5
m,p-Xylenes	ND	ug/L	0.6
MTBE	ND	ug/L	1
TBA	ND	ug/L	10
DIPE	ND	ug/L	1
ETBE	ND	ug/L	1
TAME	ND	ug/L	1
1,2-Dichloroethane	ND	ug/L	0.5
EDB	ND	ug/L	0.5
Ethylbenzene	ND	ug/L	0.5
o-Xylene	ND	ug/L	0.6
TCE	ND	ug/L	1
PCE	ND	ug/L	1

# CAL TECH Environmental Laboratories



6814 Rosecrans Avenue, Paramount, CA 90723-3146

Telephone: (562) 272-2700 Fax: (562) 272-2789

## QA/QC Report

Method: 8015M

Matrix: Water

Date Analyzed: 5/3/08

Date Extracted: 5/3/08

Perimeters	Conc. ug/L		Spike Added	Recovery %		Control Rec.	Limits RPD	RPD
	MS	MSD		MS	MSD			
TPH - Gasoline	1014	1029	1000	101	103	70-130	20	2
TPH - Diesel	1077	1038	1000	108	104	70-130	20	5

Perimeters	Method Blank	Units	Det. Limit
TPH - Gasoline	ND	ug/L	50
TPH - Diesel	ND	ug/L	50

MS: Matrix Spike

MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

# CAL TECH Environmental Laboratories



6814 Rosecrans Avenue. Paramount, CA 90723-3146  
 Telephone: (562) 272-2700 Fax: (562) 272-2789

## QA/QC Report

Method: 8260B

Matrix: Water

Date Analyzed: 5/3/08

Date Extracted: 5/3/08

Perimeters	Conc. ug/L		Spike Added	Recovery %		Control Rec.	Limits RPD	RPD
	MS	MSD		MS	MSD			
1,1-Dichloroethene	44	42	50	88	84	70-130	20	4
Benzene	47	47	50	94	94	70-130	20	0
Trichloroethene	52	54	50	104	108	70-130	20	4
Toluene	50	53	50	100	106	70-130	20	6
Chlorobenzene	46	48	50	92	96	70-130	20	4
m,p-Xylenes	99	105	100	99	105	70-130	20	6

MS: Matrix Spike

MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/L	1
Benzene	ND	ug/L	0.5
Trichloroethene	ND	ug/L	0.5
Toluene	ND	ug/L	0.5
Chlorobenzene	ND	ug/L	0.5
m,p-Xylenes	ND	ug/L	0.6
MTBE	ND	ug/L	1
TBA	ND	ug/L	10
DIPE	ND	ug/L	1
ETBE	ND	ug/L	1
TAME	ND	ug/L	1
1,2-Dichloroethane	ND	ug/L	0.5
EDB	ND	ug/L	0.5
Ethylbenzene	ND	ug/L	0.5
o-Xylene	ND	ug/L	0.6
TCE	ND	ug/L	1
PCE	ND	ug/L	1



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GeoEnvironmental, Inc.

837 Shaw Road - Stockton, California - 95215 - (209) 467-1006 - Fax (209) 467-1118

CHAIN OF CUSTODY RECORD

Date 04/30/08 Page 3 of 3

Client	Project Manager <u>Art Decker</u>	Tests Required
	Phone Number <u>(209) 467-1006</u>	
Project Name <u>Oakland truck stop</u>	Samplers: (Signature) <u>Ma - Bfk</u>	Invoice: AGE <input checked="" type="checkbox"/> Client <input type="checkbox"/>

Sample Number	Location Description	Date	Time	Sample Type			Solid	No. of Conts.	Notes
				Water		Air			
				Comp.	Grab.				
MW-1/043008		043008	1500		X				
MW-3N/043008			1313						
MW-4/043008			1323						
MW-5/043008			1230						
MW-6/043008			1209						
MW-7/043008			1400						
MW-8/043008		↓	1400		↓				

Relinquished by: (Signature) <u>Ma Bfk</u>	Received by: (Signature)	Date/Time <u>043008 1630</u>
Relinquished by: (Signature)	Received by: (Signature)	Date/Time <u>043008 1630</u>
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time
Dispatched by: (Signature)	Date/Time	Received for Laboratory by: (Signature) <u>Art Decker</u>

Method of Shipment: <u>Ontrac</u>	Laboratory Name <u>Art Decker</u>
Special Instructions: <u>"EDF to project Manager" (2 jobs next)</u>	I hereby authorize the performance of the above indicated work. <u>Art Decker</u>



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CHAIN OF CUSTODY RECORD

Date 1-31-08 Page 4 of 3

Client	Project Manager <u>Art Deitch</u>	Tests Required
	Phone Number <u>(209) 467-1006</u>	
	Samplers: (Signature) <u>[Signature]</u>	
Project Name <u>Oakland truck stop</u>	Invoice: AGE <input checked="" type="checkbox"/> Client <input type="checkbox"/>	

Sample Number	Location Description	Date	Time	Sample Type			Solid	No. of Conts.	Notes
				Water		Air			
				Comp.	Grab.				
<u>MW-9/043008</u>		<u>043008</u>	<u>1457</u>		<u>A</u>				
<u>MW-10/043008</u>			<u>1336</u>						
<u>MW-11/043008</u>			<u>1303</u>						
<u>MW-12/043008</u>			<u>1400</u>						
<u>MW-13/043008</u>			<u>1350</u>						
<u>MW-14/043008</u>			<u>1400</u>						
<u>MW-15/043008</u>			<u>1252</u>						

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature)	Date/Time <u>043008 11030</u>
Relinquished by: (Signature)	Received by: (Signature)	Date/Time <u>043008 11030</u>
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time
Dispatched by: (Signature)	Date/Time	Received for Laboratory by: [Signature] Date/Time

Method of Shipment: <u>Entrac</u>	Laboratory Name <u>Geo Test</u>
Special Instructions: <u>"EDF to project Manager" (see sheet 5)</u>	I hereby authorize the performance of the above indicated work. <u>[Signature]</u>



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CHAIN OF CUSTODY RECORD

Date 1-30-08 Page 3 of 3

Client	Project Manager <u>Art Deike</u>	Tests Required
	Phone Number <u>(209) 467-1006</u>	
	Samplers: (Signature) <u>M. B. B.</u>	
Project Name <u>Oakland truck stop</u>		Invoice: AGE <input checked="" type="checkbox"/> Client <input type="checkbox"/>

Sample Number	Location Description	Date	Time	Sample Type			Solid	No. of Conts.	Notes
				Water		Air			
				Comp.	Grab.				
<u>MW-116/043008</u>		<u>013008</u>	<u>1209</u>		<u>X</u>			<u>4</u>	<u>2</u>

Relinquished by: (Signature) <u>M. B. B.</u>	Received by: (Signature)	Date/Time <u>013008 11030</u>
Relinquished by: (Signature)	Received by: (Signature)	Date/Time <u>013008 1030</u>
Relinquished by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time
Dispatched by: (Signature)	Date/Time	Received for Laboratory by: (Signature) <u>M. B. B.</u>

Method of Shipment: <u>Ontrac</u>	Laboratory Name <u>A. Deike</u>
Special Instructions: <u>"EDF to project Manager" (2 ice chests)</u>	I hereby authorize the performance of the above indicated work. <u>M. B. B.</u>