RO234

Advanced GeoEnvironmental, Inc.

16 February 2005
AGE-NC Project No. 03-1101

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

Subject: **Quarterly Report - Fourth Quarter 2004**
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California

Dear Mr. Rinehart:

Advanced GeoEnvironmental, Inc. has prepared the enclosed *Quarterly Report - Fourth Quarter 2004* for the above-referenced site. Ground water monitoring was conducted as required by Mr. Barney Chan of the Alameda County Environmental Health Services (ACEHS-DEP) to assess the extent of petroleum hydrocarbon impact to ground water resulting from an unauthorized release from underground storage tanks. The enclosed report documents the installation of ten ozone sparge wells and three ground water monitoring wells, and presents the results for the October 2004 ground water monitoring and sampling event.

The opportunity to provide this service is greatly appreciated. If you have any questions or require further information, please contact our office at (209) 467-1006.

Sincerely,

***Advanced* GeoEnvironmental, Inc.**

Joel M. Chapman
Staff Geologist

Enclosure

cc: ✓Mr. Barney Chan - ACEHS-DEP

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

Quarterly Report - Fourth Quarter 2004

RONEHART OIL, INC. - OAKLAND TRUCK STOP

1107 5th Street, Oakland, California

16 February 2005

AGE-NC Project No. 03-1101

PREPARED FOR:

Mr. Reed Rinehart

RINEHART OIL, INC.

PREPARED BY:

***Advanced* GeoEnvironmental, Inc.**

381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203

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

2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461

395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979

Quarterly Report - Fourth Quarter 2004
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California

16 February 2005
AGE-NC Project No. 03-1101

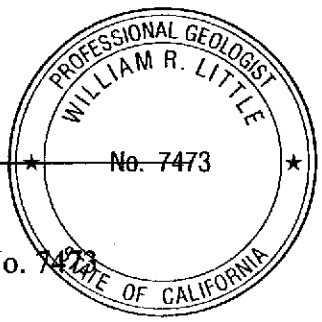
Advanced **GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, California

PREPARED BY:

Joel M. Chapman
Staff Geologist

REVIEWED BY:

William R. Little
Senior Project Geologist
California Professional Geologist No. 7473



Quarterly Report - Fourth Quarter 2004
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California

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RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California

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RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th 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 - Fourth Quarter 2004* for the site located at 1107 5th Street, Oakland, California. This report documents the installation of ten ozone sparge wells and three ground water monitoring wells, and presents the results for the October 2004 ground water monitoring and sampling event. The site and surrounding area are illustrated on Figure 1. On-site structures and well locations 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. PROCEDURES

On 04 October 2004, ten ozone sparge wells were installed on-site. On 05 October 2004, one additional ground water monitoring well was installed on-site, and two additional ground water monitoring wells were installed off-site to the north; all three ground water monitoring wells were developed on 14 October 2004. On 20 October 2004, the fourth quarter 2004 ground water monitoring event was conducted at the site; the scope of work included the measurement of ground water levels and collection of ground water samples from monitoring wells MW-1, MW-3N, MW-4 through MW-7, and MW-9 through MW-14 (Figure 2).

2.1. WELL INSTALLATION PROCEDURES

On 04 and 05 October 2004, a total of thirteen soil borings were advanced at the site. Boring MW14 and the 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 5th Street right of way to the north of the property to a vertical depth of 20 feet bsg. Boring locations are depicted on Figure 2.

The borings were advanced with a LAR drill rig equipped with 8-inch diameter hollow-stem augers. The drill rig and three-man crew were supplied by Cascade Drilling, Inc. of Rancho Cordova, California. Auger returns generated by drilling were stored on-site in properly labeled, Department

of Transportation (DOT)-approved 55-gallon drums.

2.1.1. Soil Sample Collection

Discrete soil samples were collected at 5-foot intervals, beginning at 5 feet bsg, from borings MW12 through MW14 using a 140-pound hammer to advance a California-modified split-spoon sampler. Sampling equipment was washed in an Alconox solution and rinsed with water prior to each sampling run to minimize cross-contamination. Soil samples for volatile compound analyses were collected from the exposed ends of the sleeve using an EnCore™ sampler. One, 5-gram EnCore™ sample was collected from each of the three borings at the following locations: boring MW12 at 15 feet bsg, boring MW13 at 20 feet bsg, and boring MW14 at 10 feet bsg. Soil sample sleeves were preserved by covering both ends of the second brass sleeve with Teflon sheets, capping it, and sealing it with tape. Each EnCore™ sample container and preserved sample sleeve was labeled with the soil boring location, depth, time, date, and sampler's initials and stored in a chilled container.

Soil encountered in the borings was visually classified on a boring log by an AGE technician in accordance with the Unified Soil Classification System (USCS). Boring logs are included in Appendix B.

2.1.2. Laboratory Analysis of Soil Samples

Each EnCore™ sample was transported under chain of custody procedures to McCampbell Analytical, Inc., a California Department of Health Services (DHS)-certified analytical laboratory, and analyzed for:

- Total petroleum hydrocarbons quantified as gasoline and diesel (TPH-g and TPH-d, respectively) in accordance with EPA Method 8015Cm;
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) in accordance with EPA Method 8021B; and
- Fuel oxygenates methyl tertiary-butyl ether (MTBE), tertiary-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), and tertiary-amyl methyl ether (TAME) by EPA Method 8260B.

2.1.3. Drilling Equipment Decontamination

All hollow stem augers were cleaned prior to advancement in each boring location. The sampling

equipment was washed in an Alconox solution and rinsed with water prior to each sampling run to avoid cross-contamination. At the conclusion of soil boring activities, borings were completed as wells and a sanitary seal was installed to prevent vertical migration of contaminants.

2.1.4. Well Completions

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 filter pack (No. 2/12 Lonestar sand) was installed from 4 feet to 20 feet bsg, and a nominal 2.5-foot bentonite chip plug was installed above the filter pack and hydrated. The wells were grouted to near the surface with portland cement, and water-tight, traffic-rated well boxes were installed over the wells. As-built well diagrams are depicted on the boring logs in Appendix B.

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 nominal 2-foot bentonite chip plug was installed above the filter pack and hydrated. The wells were grouted to near the surface with portland cement, and water-tight, traffic-rated well boxes were installed over the wells An as-built well diagram is included with the boring logs in Appendix B.

2.1.5. Monitoring Well Development

On 14 October 2004, monitoring wells MW-12 through MW-14 were developed utilizing a Waterra inertia pump with a steel bailer. Ground water was purged from each monitoring well until it was visually sediment-free; approximately 14 and 13.5 gallons of water were removed from wells MW-12 and MW-13, respectively, before the wells drew down. Approximately 21 gallons of water were removed from well MW-14. Purged ground water was containerized in properly labeled, DOT-approved 55-gallon drums and was stored on-site. Field sheets and data are included in Appendix C.

2.2. QUARTERLY WELL MONITORING PROCEDURES

The fourth quarter ground water monitoring event was performed on 20 October 2004; ground water monitoring was performed on monitoring wells MW-1, MW-3N, MW-4 through MW-7, and MW-9 through MW-14.

2.2.1. Well Monitoring and Evacuation

On 20 October 2004, a Solinst water level meter was used to measure the depth to ground water in the monitoring wells relative to the tops of the well casings (well heads). After water levels were gauged, disposable plastic bailers were used to evacuate (purge) the wells of a minimum of three casing water volumes per well. Between 5 and 6.75 gallons of water were purged from monitoring wells MW-4 through MW-7, MW-10, and MW-14. Monitoring wells MW-1, MW-3N, MW-9, MW-12, and MW-13 drew down before three casing-water volumes could be evacuated. Free petroleum product was encountered in well MW-8; the well was purged of approximately 3 gallons until the product was clear. Monitoring well MW-11 was inaccessible and was not monitored this quarter. Temperature, pH, and conductivity were measured at regular intervals using an Oakton water analyzer. Field sheets and data are included in Appendix C. Purged water was stored on-site in properly labeled, DOT-approved 55-gallon drums.

2.2.2. Collection and Analysis of Ground Water Samples

Ground water samples were collected from the monitoring wells using dedicated, disposable plastic bailers after allowing the wells to achieve a minimum 80% recovery of the pre-purge water volume. The samples were transferred into three laboratory-supplied, 40-milliliter (ml) EPA-approved volatile organic analysis (VOA) vials containing 0.5 ml 18% hydrochloric acid solution as a sample preservative, and into one 1-liter amber bottle without preservative. The sample containers were labeled with the well designation, date, time, and the sampler's initials and transported in a chilled container under chain of custody to Cal Tech Environmental Laboratories (CTEL), a DHS-certified analytical laboratory, for analysis. The samples were analyzed for:

- TPH-g and TPH-d in accordance with EPA Method 8015M; and
- BTEX and fuel oxygenates DIPE, ETBE, MTBE, TAME, and TBA and lead scavengers 1,2-dibromoethane (EDB), and 1,2-dichloroethane (1,2-DCA) in accordance with EPA Method 8260B.

3.0. FINDINGS

Soil descriptions were determined from field data. Hydrocarbon impact to soil was inferred from laboratory analysis of soil samples. Ground water elevation, flow direction, and gradient were determined from field data collected on 20 October 2004. The hydrocarbon impact to ground water was quantified by laboratory analysis of ground water samples.

3.1. SOIL DESCRIPTIONS

Moist, black to gray fine sand and sandy silt with no hydrocarbon odor was generally encountered from surface grade to 10 feet bsg in borings MW12 and MW13. Moist, gray silty sand with a strong hydrocarbon odor was encountered in boring MW14 from surface grade to 5 feet bsg, underlain by a layer of saturated, gray sand with a hydrocarbon odor at 10 feet bsg. Moist, brown and gray silt with a stale and/or hydrocarbon odor was identified in borings MW13 and MW14 at 15 feet bsg, underlain by saturated, gray sand at 20 feet bsg. In boring MW12, saturated, gray sand with no hydrocarbon odor was encountered at 15 feet bsg, and moist, gray clay with a stale odor was encountered at 20 feet bsg. Soil boring logs are included in Appendix B.

3.2. ANALYTICAL RESULTS OF SOIL SAMPLES

A total of three soil samples were analyzed for the constituents listed in Section 2.1.2. In sample MW14-10, 1.8 milligrams per kilogram (mg/kg) TPH-d and 2.0 mg/kg MTBE were detected. No additional analytes of concern were detected in any of the samples analyzed. Analytical results of the soil samples are summarized in Table 1. The laboratory report (McCampbell Work Order No. 0410067), quality assurance and quality control (QA/QC) report, and chain of custody form are included in Appendix D.

3.3. GROUND WATER GRADIENT AND FLOW DIRECTION

On 20 October 2004, depth to ground water was measured between 1.05 feet and 6.42 feet below the tops of the well casings; however, the depth to ground water (4.72 feet) at well MW-8 was affected by the presence of free product; the depth was recalculated (4.69 feet) utilizing the measured thickness of free product in well MW-8:

$$D_w = D_m - (t_g * d_g/d_w)$$

D_w = Corrected depth to water
D_m = Measured depth to water
t_g = Total thickness of free product (~0.05 foot)
d_g = Density of free product (gasoline at ~0.88 g/ml)
d_w = Density of water (~1.0 g/ml)

Ground water elevations at the site ranged from 5.27 feet (MW-7) to 10.02 feet (MW-10) above mean sea level (MSL).

For the fourth quarter 2004 monitoring event, the ground water flow direction ranged from north-northeast to north-northwest with gradients between 0.06 foot/foot (ft/ft) and 0.01 ft/ft. Depths to water and ground water elevations are summarized in Table 2. Figure 3 illustrates the contoured ground water elevations as measured on 20 October 2004.

3.4. ANALYTICAL RESULTS OF GROUND WATER SAMPLES

Ground water samples were collected from on-site monitoring wells MW-1, MW-3N, MW-4 through MW-7, MW-9, MW-10, and MW-12 through MW-14 for laboratory analysis. A sample was not collected from wells MW-8 and MW-11 due to free petroleum product encountered while bailing and an inaccessible well box, respectively (see field sheets in Appendix C). Ground water sample analytical results are detailed below.

TPH-g was detected in ground water samples taken from monitoring wells MW-3N through MW-7, MW-9, MW-13, and MW-14 at concentrations ranging from 80 micrograms per liter (µg/l) in MW-9 to 130,000 µg/l in MW-7. TPH-d was detected in the sample from MW-5 and MW-7 at concentrations of 4.5 milligrams per liter (mg/l) or 4,500 µg/l and 8,400 µg/l, respectively. Figure 4 illustrates the estimated distribution of dissolved TPH-g.

BTEX constituents were detected in the samples from well MW-7 at concentrations of 14,000 µg/l benzene, 420 µg/l toluene, 600 µg/l ethylbenzene, and 380 µg/l xylenes. Benzene and xylenes were also detected in the sample from well MW-3N at concentrations of 3.5 µg/l and 5.2 µg/l, respectively.

The fuel additives MTBE, TAME, TBA, and 1,2-DCA were detected in selected analyzed samples. MTBE was detected in all samples collected from wells MW-1, MW-3N, MW-4 through MW-7, MW-9, MW-13, and MW-14 at concentrations ranging from 23 µg/l (MW-5) to 39,000 µg/l (MW-7). Figure 5 illustrates the estimated distribution of dissolved MTBE for this monitoring event. TAME was detected in the sample collected from well MW-7 at a concentration of 290 µg/l. TBA was detected in wells MW-4 through MW-6 at a maximum concentration of 110,000 µg/l (MW-4). 1,2-DCA was detected only in sample MW-7 at a concentration of 180 µg/l.

A summary of ground water analytical results is presented in Tables 3 and 4. The laboratory analytical report (CTEL Project No. CT214-0410117), QA/QC report, and chain of custody forms are included in Appendix E. Documents confirming the upload of laboratory electronic deliverable format (EDF) files and depth to water measurements to GeoTracker are included in Appendix F.

4.0. SUMMARY AND CONCLUSIONS

Based on the findings from this investigation, AGE concludes:

- Moist, black to gray fine sand and sandy silt with no hydrocarbon odor was generally encountered from surface grade to 10 feet bsg in borings MW12 and MW13. Moist, gray silty sand with a strong hydrocarbon odor was encountered in boring MW14 from surface grade to 5 feet bsg, underlain by a layer of saturated, gray sand with a hydrocarbon odor at 10 feet bsg. Moist, brown and gray silt with a stale and/or hydrocarbon odor was identified in borings MW13 and MW14 at 15 feet bsg, underlain by saturated, gray sand at 20 feet bsg. In boring MW12, saturated, gray sand with no hydrocarbon odor was encountered at 15 feet bsg, and moist, gray clay with a stale odor was encountered at 20 feet bsg.
- A total of three EnCore™ soil samples were analyzed for petroleum hydrocarbons. In sample MW14-10, 1.8 mg/kg TPH-d and 2.0 mg/kg MTBE were detected.
- Ground water flow direction at the site during the October 2004 monitoring event ranged from north-northeast to north-northwest with gradients between 0.06 ft/ft and 0.01 ft/ft; the flow directions are consistent with previous site monitoring events. The average ground water elevation at the site increased approximately 0.14 feet since the last monitoring event in July 2004.
- TPH-g was detected in ground water samples collected from monitoring wells MW-3N through MW-7, MW-9, MW-13, and MW-14 at a maximum concentration of 130,000 µg/l in MW-7. TPH-d was detected in the samples from MW-5 and MW-7 at a maximum concentration of 8,400 µg/l in MW-7.
- BTEX constituents were detected in the samples from well MW-7 at concentrations of 14,000 µg/l benzene, 420 µg/l toluene, 600 µg/l ethylbenzene, and 380 µg/l xylenes. Benzene and xylenes were also detected in the sample from well MW-3N at concentrations of 3.5 µg/l and 5.2 µg/l, respectively. The detected concentrations of benzene and toluene exceed the DHS's Maximum Contaminant Levels for these compounds in drinking water.
- MTBE was detected in all samples collected from wells MW-1, MW-3N, MW-4 through MW-7, MW-9, MW-13, and MW-14 at a maximum concentration of 39,000 µg/l (MW-7); TAME was detected in the sample collected from well MW-7 at a concentration of 290 µg/l; TBA was detected in wells MW-4 through MW-6 at a maximum concentration of 110,000 µg/l (MW-4); 1,2-DCA was detected only in sample MW-7 at a concentration of 180 µg/l. The detected concentrations of MTBE and 1,2-DCA exceed the DHS's Maximum Contaminant Levels for these compounds in drinking water; TBA exceeded the DHS's Action Level for this contaminant in drinking water.

- Due to the presence of significant TBA concentrations compared to almost equal MTBE concentrations and the low detections of toluene, specifically lower than benzene, some natural bio-attenuation may be occurring in the dissolved phase media at the site.

5.0. RECOMMENDATIONS

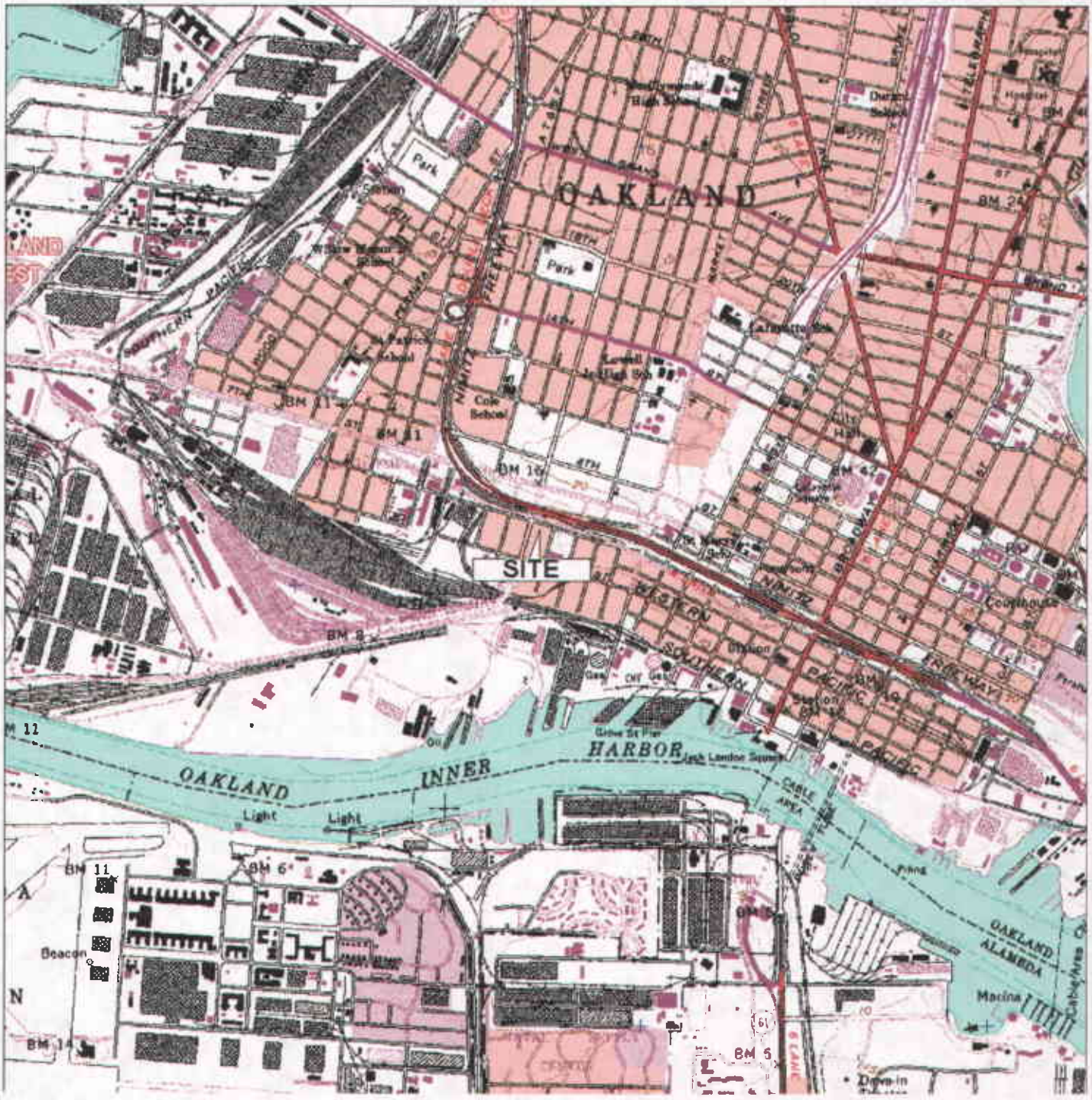
Based upon data reviewed and collected at the site, AGE recommends:

- Continued quarterly ground water monitoring.
- Installation of an additional on-site monitoring well at the northwestern portion of the site, to replace the approved soil boring northwest of well MW-8.
- During the first quarter 2005, AGE completed the installation of the interim remediation system piping network.

6.0. LIMITATIONS

AGE's 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 analytical results provided by an independent laboratory. Evaluations of the hydrogeologic conditions at the site for the purpose of this investigation were made from a limited number of available data points (i.e. monitoring wells, soil samples, and ground water samples) and subsurface conditions may vary beyond 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

MW-12

5th Street

BART District Right-of-Way

MW-13

Adeline Street

B-1

B-2

B-3

B-4

B-5

Scale

Scale House

MW-8

MW-4

MW-7

PUMP ISLAND

PUMP ISLAND

Former USTs

MW-5

MW-6

MW-9

MW-1

MW-14

PUMP ISLAND Diesel

Main Building

PUMP ISLAND Diesel and Gasoline

MW-3N

Oliver's Hoffbrau

Property Line

Chestnut Street

B-6

MW-10

MW-11

B-7

B-8

LEGEND

- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- MW-1 GROUND WATER MONITORING WELL LOCATION & DESIGNATION
- B-6 BORING LOCATION & DESIGNATION
- PROPOSED SOIL BORING LOCATION
- OZONE SPARGE WELL LOCATION

N

SCALE

0 30 60

FEET

SITE PLAN

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

Advanced GeoEnvironmental, Inc.
of Northern California

PROJECT NO. AGE-NC-03-1101 | FILE: Fig 2 | FIGURE: 2

DATE: 16 FEBRUARY 2005 | DRAWN BY: MAC

20 OCTOBER 2004

GROUND WATER ELEVATION

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

Advanced GeoEnvironmental, Inc.
of Northern California

PROJECT NO. AGE-NC-03-1101	FILE: Fig 3	FIGURE: 3
DATE: 08 FEBRUARY 2005	DRAWN BY: MAC	

5th Street

BART District Right-of-Way

Adeline Street

Chestnut Street

MW-12

MW-13

MW-14

MW-8
5.34

MW-4
5.57

MW-7
5.27

MW-9
5.83

MW-5
5.75

MW-6
5.99

MW-1
6.34

MW-3N
6.39

MW-10
10.02

MW-11

Scale

Scale House

PUMP ISLAND

Former USTs

Main Building

Oliver's Hoffbrau

5.40

5.60

5.80

6.00

6.20

7.00

8.00

9.00

10.00

0.01 ft/ft

0.06 ft/ft

LEGEND

- FORMER UNDERGROUND STORAGE TANK (UST)
- EXISTING STRUCTURE
- MW-1 6.34 — GROUND WATER MONITORING WELL LOCATION / GROUND WATER ELEVATION (feet)
- GROUND WATER ELEVATION CONTOUR
- 0.06 ft/ft — GROUND WATER GRADIENT & FLOW DIRECTION

N

SCALE
0 30 60
FEET

20 OCTOBER 2004

5th Street

BART District Right-of-Way

Adeline Street

Chestnut Street

MW-12 <50

MW-13 100

MW-4 22,000

MW-7 130,000

MW-8

MW-9 80

MW-5 1,900

MW-6 7,700

MW-14 490

MW-1 <50

MW-3N 190

MW-10 <50

MW-11 <50

Scale

Scale House

PUMP ISLAND

Former USTs

Main Building

Oliver's Hoffbrau

LEGEND

- FORMER UNDERGROUND STORAGE TANK (UST) LOCATION
- EXISTING STRUCTURE
- MW-1 <50 GROUND WATER MONITORING WELL LOCATION & DESIGNATION TPH-g CONCENTRATION (micrograms per liter: ug/l)
- ? QUERIED WHERE UNCERTAIN

- 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

N

SCALE 0 30 60 FEET

DISSOLVED TPH-G

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

Advanced GeoEnvironmental, Inc.
of Northern California

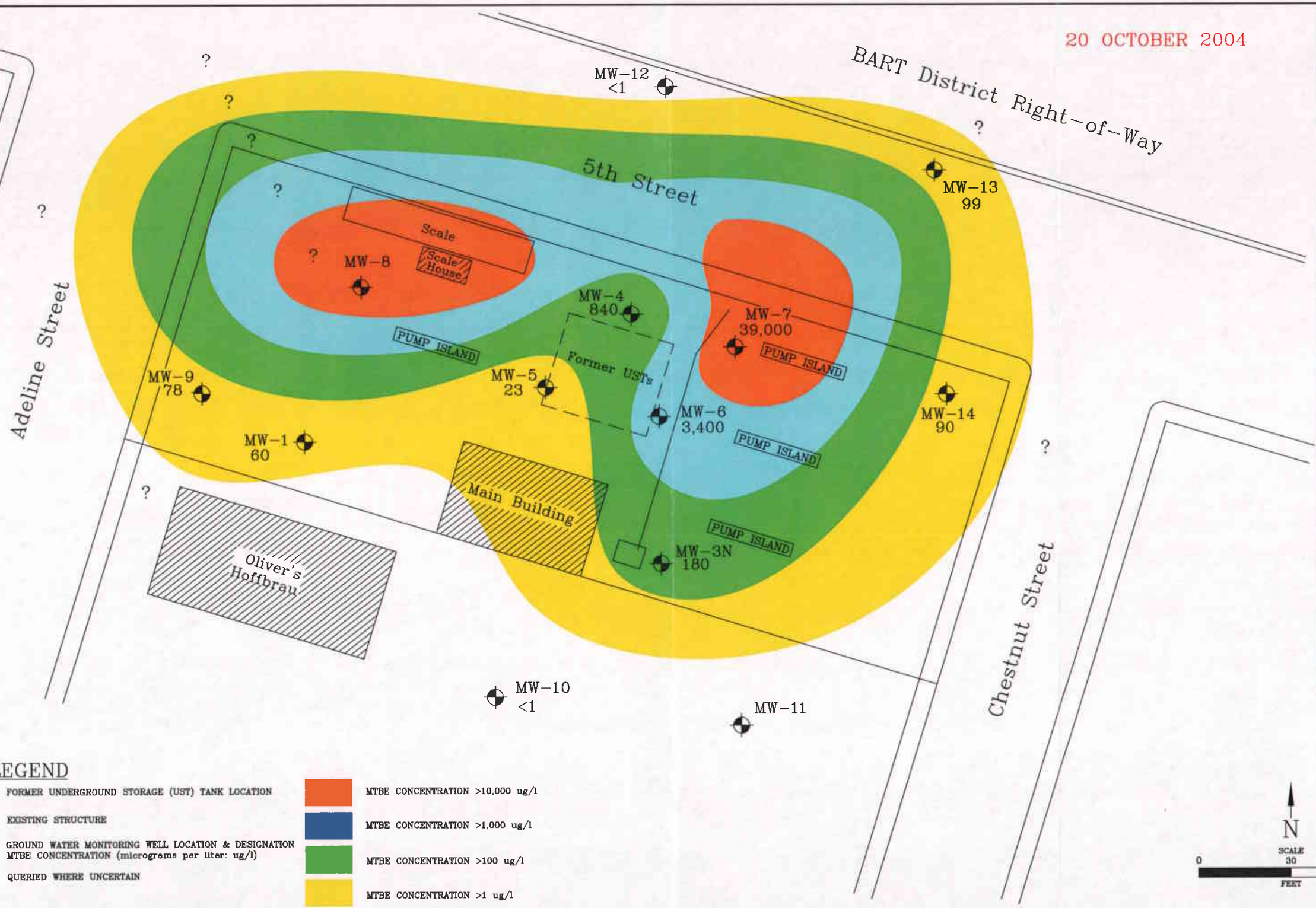
PROJECT NO. AGE-NC-03-1101 | FILE: Fig 4 | FIGURE: 4
DATE: 16 FEBRUARY 2005 | DRAWN BY: MAC

20 OCTOBER 2004

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

Advanced GeoEnvironmental, Inc.
of Northern California

PROJECT NO. AGE-NC-03-1101 | FILE: Fig 5 | FIGURE: 5
DATE: 16 FEBRUARY 2005 | DRAWN BY: MAC



LEGEND

- FORMER UNDERGROUND STORAGE (UST) TANK LOCATION
- EXISTING STRUCTURE
- MW-1 <1 — GROUND WATER MONITORING WELL LOCATION & DESIGNATION; MTBE CONCENTRATION (micrograms per liter: ug/l)
- ? — QUERIED WHERE UNCERTAIN
- MTBE CONCENTRATION >10,000 ug/l
- MTBE CONCENTRATION >1,000 ug/l
- MTBE CONCENTRATION >100 ug/l
- MTBE CONCENTRATION >1 ug/l

TABLES

TABLE 1

ANALYTICAL RESULTS OF SOIL SAMPLES
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(mg/kg)

Sample I.D.	Date	Method 8015Cm		Fuel Oxygenates with BTEX (EPA Method 8021/8260B)								
		TPH-g	TPH-d	MTBE	TBA	DIPE	ETBE	TAME	Benzene	Toluene	Ethyl-benzene	Xylenes
MW12-15	10/20/04	<1	<1	<0.005	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW13-20	10/20/04	<1	<1	<0.005	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW14-10	10/20/04	<1	**1.8**	**2.0**	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
mg/kg: milligrams per kilogram
TPH-g: total petroleum hydrocarbons quantified as gasoline
TPH-d: total petroleum hydrocarbons quantified as diesel
MTBE: methyl tertiary-butyl ether
TBA: tertiary-butanol alcohol
DIPE: di-isopropyl ether
ETBE: ethyl tertiary-butyl ether
TAME: tertiary-amyl methyl ether

TABLE 2

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

Well I.D. *Casing Elevation* (Screen Interval)	Date	Depth to Ground Water	Ground Water Elevation
MW-1 *10.34'* (10'-20' bsg)	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	3.29	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
MW-3N *11.67'* (5'-12' bsg)	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

TABLE 2

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

Well I.D. *Casing Elevation* (Screen Interval)	Date	Depth to Ground Water	Ground Water Elevation
MW-4 *10.46'* (5'-20' bsg)	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
	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
MW-5 *10.24'* (5'-20' bsg)	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
	07/21/04	4.00	6.24
	10/20/04	4.49	5.75

TABLE 2

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

Well I.D. *Casing Elevation* (Screen Interval)	Date	Depth to Ground Water	Ground Water Elevation
MW-6 *10.62'* (5'-20' bsg)	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
MW-7 *11.69'* (5'-20' bsg)	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	4.83
	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

TABLE 2

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

Well I.D. *Casing Elevation* (Screen Interval)	Date	Depth to Ground Water	Ground Water Elevation
MW-8 *10.06'* (5'-20' bsg)	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
MW-9 *10.03'* (5'-20' bsg)	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
	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

TABLE 2

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

Well I.D. *Casing Elevation* (Screen Interval)	Date	Depth to Ground Water	Ground Water Elevation
MW-10 *11.07'* (5'-12' bsg)	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
MW-11 *9.64'* (5'-12' bsg)	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	-	-
MW-12 - (5'-20' bsg)	10/20/04	5.41	-
MW-13 - (5'-20' bsg)	10/20/04	5.67	-
MW-14 - (5'-20' bsg)	10/20/04	6.36	-

Notes:
All measurements reported in feet.
bsg: below surface grade
-: information not available

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021

RINEHART OIL, INC. - OAKLAND TRUCK STOP

1107 5th Street, Oakland, California

(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-1	11/04/96	ND	**220**	ND	ND	ND	ND	NA
	03/05/97	ND	**230**	ND	ND	ND	ND	NA
	06/12/97	ND	**290**	ND	ND	ND	ND	NA
	09/09/97	ND	**180**	ND	ND	ND	ND	NA
	02/13/98	ND	**590**	ND	ND	ND	ND	NA
	07/07/98	ND	**1,400**	ND	ND	ND	ND	NA
	10/01/98	ND	**1,100**	ND	ND	ND	ND	NA
	12/30/98	ND	**1,700**	ND	ND	ND	ND	NA
	03/21/00	**220**	**3,100**	**11**	ND	ND	ND	NA
	08/30/00	**140**	**1,600**	**5.3**	<0.5	<0.5	<0.5	**2,900**
	11/06/00	**51**	**1,500**	**1.0**	<0.5	<0.5	<0.5	**1,700**
	02/22/01	**140**	**3,000**	<0.5	<0.5	<0.5	<0.5	**1,00**
	05/07/01	<50	**3,800**	<0.5	<0.5	<0.5	<0.5	**780**
	08/22/01	<110	**1,800**	<0.5	<0.5	<0.5	<0.5	**1,900**
	11/04/01	<50	**1,300**	<0.5	<0.5	<0.5	<0.5	**1,600**
	02/15/02	<50	**2,000**	<0.5	<0.5	<0.5	<0.5	**610**
	05/20/02	<50	**160**	<0.5	<0.5	<0.5	<0.5	**570**
	08/01/02	<50	**600**	<0.5	<0.5	<0.5	<0.5	**480**
	11/11/02	<50	**2,200**	<0.5	<0.5	<0.5	<0.5	**510**
	02/12/03	<50	**1,200**	<0.5	<0.5	<0.5	<0.5	**540**
	05/12/03	<50	**520**	<0.5	<0.5	<0.5	<0.5	**610**
	08/11/03	<50	**180**	<0.5	<0.5	<0.5	<0.5	**740**
	01/09/04	**610**	<50	<0.5	<0.5	<0.5	**4.2**	NA
	04/14/04	**730**	<50	<0.5	<0.5	<0.5	<0.6	NA
	07/21/04	**900**	<50	<0.5	<0.5	<0.5	<0.6	NA
	10/20/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-3N	05/20/02	<50	**1,800**	<0.5	<0.5	<0.5	<0.5	**1,100**
	08/01/02	<50	**2,900**	<0.5	<0.5	<0.5	<0.5	**350**
	11/11/02	<50	**1,100**	<0.5	<0.5	<0.5	<0.5	**280**
	02/12/03	<50	**1,300**	<0.5	<0.5	<0.5	<0.5	**380**
	05/12/03	<50	**1,500**	<0.5	<0.5	<0.5	<0.5	**330**
	08/11/03	<50	**720**	<0.5	<0.5	<0.5	<0.5	**250**
	01/09/04	**230**	<50	<0.5	<0.5	<0.5	<0.6	NA
	04/14/04	**230**	<50	<0.5	<0.5	<0.5	<0.6	NA
	07/21/04	**400**	<50	<0.5	<0.5	<0.5	<0.6	NA
	10/20/04	**190**	<50	**3.5**	<0.5	<0.5	**5.2**	NA

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021

RINEHART OIL, INC. - OAKLAND TRUCK STOP

1107 5th Street, Oakland, California

(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-4	08/30/00	**1,300**	**390**	**64**	**63**	**9.7**	**110**	**210,000**
	11/06/00	<3,300	**170**	**80**	<4.0	<5.0	<3.0	**130,000**
	11/06/00†	<3,300	NA	**86**	<4.0	<7.0	<6.0	**130,000**
	02/22/01	<3,300	**120**	**30**	<3.0	<3.0	<3.0	**120,000**
	05/07/01	<4,200	**240**	<20	<10.0	<5.0	<5.0	**150,000**
	08/22/01	<5,400	**300**	<5.0	<5.0	<5.0	<5.0	**160,000**
	11/04/01	<5,000	**210**	<5.0	<5.0	<5.0	<5.0	**130,000**
	02/15/02	<5,000	**340**	<5.0	<5.0	<5.0	<10	**160,000**
	05/20/02	<2,500	**200**	<25	<25	<25	<25	**98,000**
	08/01/02	<2,500	**200**	<25	<25	<25	<25	**89,000**
	11/11/02	<3,000	**200**	<25	<25	<25	<25	**99,000**
	02/12/03	<2,500	**88**	<25	<25	<25	<25	**78,000**
	05/12/03	<2,500	**88**	<25	<25	<25	<25	**88,000**
	08/11/03	<2,500	**66**	<25	<25	<25	<25	**77,000**
	01/09/04	**50,000**	<50	**120**	<0.5	<0.5	<0.6	NA
	04/14/04	**27,000**	<50	<0.5	<0.5	<0.5	<0.6	NA
	07/21/04	**27,000**	<50	<0.5	<0.5	<0.5	<0.6	NA
	10/20/04	**22,000**	<50	<0.5	<0.5	<0.5	<0.6	NA

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-5	08/30/00	**1,000**	**450**	<5.0	<5.0	<5.0	<5.0	**52,000**
	11/06/00	<1,000	**520**	<1.0	<1.0	<1.0	<1.0	**44,000**
	02/22/01	<1,000	**270**	<1.0	<1.0	<1.0	<1.0	**30,000**
	05/07/01	<1,800	**470**	<5.0	<2.0	<2.0	<2.0	**48,000**
	08/22/01	<2,200	**780**	<3.0	<3.0	<3.0	<3.0	**63,000**
	11/04/01	<1,700	**670**	<2.0	<2.0	<2.0	<2.0	**44,000**
	02/15/02	<1,100	**480**	<1.0	<1.0	<1.0	<1.0	**33,000**
	05/20/02	<500	**1,600**	<5.0	<5.0	<5.0	<5.0	**21,000**
	08/01/02	<500	**810**	<5.0	<5.0	<5.0	<5.0	**21,000**
	11/11/02	<500	**2,100**	<5.0	<5.0	<5.0	<5.0	**10,000**
	02/12/03	<170	**2,900**	**30**	<1.7	<1.7	<1.7	**3,700**
	05/12/03	<500	**1,500**	**13**	<5.0	<5.0	<5.0	**19,000**
	08/11/03	**71**	**2,200**	**9.5**	<0.5	<0.5	<0.5	**1,500**
	01/09/04	**1,500**	<50	<0.5	<0.5	<0.5	<0.6	NA
	04/14/04	**500**	<50	**20**	<0.5	<0.5	<0.6	NA
	07/21/04	**2,000**	<50	**2.2**	<0.5	<0.5	<0.6	NA
	10/20/04	**1,900**	<50	<0.5	<0.5	<0.5	<0.6	NA

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021

RINEHART OIL, INC. - OAKLAND TRUCK STOP

1107 5th Street, Oakland, California

(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-6	08/30/00	**1,300**	**1,300**	**55**	<0.5	**16**	**27**	**23,000**
	11/06/00	<630	**1,100**	**7**	**8.1**	<3.0	**5.2**	**26,000**
	02/22/01	<200	**420**	<5.0	<5.0	<5.0	<5.0	**6,500**
	05/07/01	<1,000	**900**	<2.0	<2.0	<1.0	<1.0	**37,000**
	08/22/01	<350	**520**	<2.0	<1.0	<0.5	<0.5	**8,600**
	11/04/01	<500	**420**	<2.0	<2.0	<0.5	<0.5	**12,000**
	02/15/02	<960	**910**	**2.6**	**4.5**	<1.0	**4.2**	**23,000**
	05/20/02	<620	**690**	<6.2	<6.2	<6.2	<6.2	**25,000**
	08/01/02	<250	**1,100**	**8.0**	<2.5	<2.5	<2.5	**8,100**
	11/11/02	<500	**1,000**	<5.0	<5.0	<5.0	<5.0	**11,000**
	02/12/03	<250	**970**	<2.5	<2.5	<2.5	<2.5	**7,400**
	05/12/03	<1,000	**2,100**	<10	<10	<10	<10	**32,000**
	08/11/03	**110**	**630**	**6.8**	<1	<1.0	<1.0	**2,800**
	01/09/04	**700**	<50	<0.5	<0.5	<0.5	<0.6	NA
	04/14/04	**200**	<50	<0.5	<0.5	<0.5	<0.6	NA
	07/21/04	**200**	<50	<0.5	<0.5	<0.5	<0.6	NA
	10/20/04	**7,700**	**4.5**	<0.5	<0.5	<0.5	<0.6	NA

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-7	08/30/00	160,000	2,600	28,000	15,000	1,200	5,900	800,000
	11/06/00	80,000	1,700	23,000	12,000	1,200	5,000	540,000
	02/22/01	80,000	2,000	19,000	12,000	1,100	3,200	440,000
	02/22/01†	84,000	2,400	20,000	13,000	1,200	3,400	400,000
	05/07/01	100,000	7,600	25,000	16,000	1,700	6,600	460,000
	05/07/01†	100,000	8,200	25,000	17,000	1,700	6,700	530,000
	08/22/01	110,000	22,000	18,000	12,000	2,000	9,400	240,000
	11/04/01	85,000	6,500	17,000	2,700	2,100	9,700	150,000
	02/15/02	96,000	21,000	21,000	7,300	2,600	13,000	180,000
	02/15/02†	160,000	29,000	30,000	27,000	3,700	19,000	170,000
	05/20/02	140,000	310,000	24,000	21,000	3,800	20,000	180,000
	08/01/02	110,000	160,000	15,000	16,000	4,000	21,000	120,000
	11/11/02	110,000	240,000	14,000	11,000	4,100	19,000	74,000
	02/12/03	130,000	75,000	25,000	8,900	3,400	17,000	87,000
	05/12/03	98,000	7,100	25,000	520	2,600	12,000	140,000
	08/11/03	90,000	12,000	15,000	1,100	2,600	12,000	140,000
	01/09/04	130,000	18,000	9,500	340	190	3,700	NA
	04/14/04	330,000	22	23,000	300	1,900	5,600	NA
	07/21/04	120,000	14	11,000	730	1,000	1,250	NA
	10/20/04	130,000	8.4	14,000	420	600	380	NA

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-8	08/30/00	<1,000	**690**	**18**	<1.0	<1.0	<1.0	**28,000**
	11/06/00	<3,300	**810**	<8.0	<5.0	<3.0	<7.0	**120,000**
	02/22/01	<2,500	**1,100**	**53**	<3.0	<3.0	<3.0	**99,000**
	05/07/01	<5,00	**1,300**	**32**	<10	<5.0	<5.0	**110,000**
	08/22/01	<4,000	**1,200**	<5.0	<5.0	<5.0	**16**	**76,000**
	11/04/01	**590**	**1,100**	**6.9**	<0.5	<0.5	<0.5	**60,000**
	02/15/02	<3,400	**1,500**	<5.0	<5.0	<5.0	<5.0	**110,000**
	05/20/02	<1,700	**2,200**	<17	<17	<17	<17	**66,000**
	08/01/02	<1,200	**2,800**	<12	<12	<12	<12	**53,000**
	11/11/02	<2,000	**11,000**	<10	**18**	<10	<10	**48,000**
	02/12/03	<1,700	**5,800**	<17	<17	<17	<17	**49,000**
	05/12/03	<2,500	**4,500**	**94**	<25	<25	<25	**52,000**
	08/11/03	<2,500	**23,000**	**92**	<25	<25	<25	**42,000**
	01/09/04	**51,000**	**12,000**	**2.4**	<0.5	<0.5	**2.1**	NA
	04/14/04	NS	NS	NS	NS	NS	NS	NS
	07/21/04	NS	NS	NS	NS	NS	NS	NS
	10/20/04	NS	NS	NS	NS	NS	NS	NS

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-9	08/30/00	<50	**770**	<0.5	<0.5	<0.5	<0.5	**97**
	11/06/00	<50	**390**	<0.5	<0.5	<0.5	<0.5	**190**
	02/22/01	<50	**240**	<0.5	<0.5	<0.5	<0.5	**120**
	05/07/01	<50	**190**	<0.5	<0.5	<0.5	<0.5	**120**
	08/22/01	<50	**120**	<0.5	<0.5	<0.5	<0.5	**120**
	11/04/01	<50	**160**	<0.5	<0.5	<0.5	<0.5	**130**
	02/15/02	<50	**150**	<0.5	<0.5	<0.5	<0.5	**92**
	05/20/02	<50	**380**	<0.5	<0.5	<0.5	<0.5	**79**
	08/01/02	<50	**320**	<0.5	<0.5	<0.5	<0.5	**74**
	11/11/02	<50	**150**	<0.5	<0.5	<0.5	<0.5	**76**
	02/12/03	<50	**350**	<0.5	<0.5	<0.5	<0.5	**55**
	05/12/03	<50	**380**	<0.5	<0.5	<0.5	<0.5	**45**
	08/11/03	<50	**88**	<0.5	<0.5	<0.5	<0.5	**36**
	01/09/04	**200**	<50	<0.5	<0.5	<0.5	**4.7**	NA
	04/14/04	**180**	<50	<0.5	<0.5	<0.5	<0.6	NA
	07/21/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA
	10/20/04	**80**	<50	<0.5	<0.5	<0.5	<0.6	NA
MW-10	08/01/02	<50	**720**	**1.0**	<0.5	<0.5	<.05	<5.0
	11/11/02	<50	**100**	**0.72**	<0.5	<0.5	<0.5	<5.0
	02/12/03	<50	**71**	**0.63**	<0.5	<0.5	<0.5	<5.0
	05/12/03	<50	**96**	**0.56**	<0.5	<0.5	<5.0	<5.0
	08/11/03	<50	**110**	**0.93**	<0.5	<0.5	<0.5	<5.0
	01/09/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA
	04/14/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA
	07/21/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA
	10/20/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA

TABLE 3

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Methods 8015M/8021
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well I.D.	Date	TPH-g	TPH-d	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE (8021)
MW-11	05/20/02	<50	**95**	**1.5**	**3.0**	<0.5	**1.4**	**260**
	08/01/02	<50	**190**	<0.5	**1.9**	**0.6**	<0.5	**52**
	11/11/02	<50	**140**	<0.5	**2.1**	**1.1**	<0.5	**23**
	02/12/03	<50	**86**	<0.5	**1.7**	<0.5	<0.5	<5.0
	05/12/03	<50	**62**	<0.5	**1.1**	<0.5	<0.5	<5.0
	08/11/03	<50	**72**	<0.5	**0.66**	<0.5	<0.5	<5.0
	01/09/04	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	04/14/04	<50	<50	<0.5	<0.5	<0.5	<0.5	NA
	07/21/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA
	10/20/04	NS	NS	NS	NS	NS	NS	NS
MW-12	10/20/04	<50	<50	<0.5	<0.5	<0.5	<0.6	NA
MW-13	10/20/04	**100**	<50	<0.5	<0.5	<0.5	<0.6	NA
MW-14	10/20/04	**490**	<50	<0.5	<0.5	<0.5	<0.6	NA
MCL		**NE**	**NE**	**1**	**150**	**700**	**1,750**	**13**

Notes:

µg/l: micrograms per liter
†: duplicate sample
NA: not analyzed
NS: not sampled
TPH-g/-d: total petroleum hydrocarbons quantified as gasoline/diesel
MTBE: methyl tertiary-butyl ether
MCL: primary Maximum Contaminant Level for drinking water in California
NE: no MCL has been established

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-1	11/04/96	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/05/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/12/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/09/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/13/98	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/07/98	**2.7**	NA	NA	NA	NA	NA	NA	NA	NA
	10/01/98	**1.8**	NA	NA	NA	NA	NA	NA	NA	NA
	12/30/98	**2.3**	NA	NA	NA	NA	NA	NA	NA	NA
	03/21/00	**4,800**	NA	NA	NA	NA	NA	NA	NA	NA
	08/30/00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/00	**2,100**	<50	<50	<50	<250	NA	NA	<50	<50
	02/22/01	**1,100**	<20	<20	<20	<100	<4,000	<1,000	<20	<20
	05/07/01	**1,100**	<20	<20	<20	<100	<10,000	<1,000	<20	<20
	08/22/01	**1,600**	<25	<25	<25	<130	NA	NA	<25	<25
	11/04/01	**1,500**	<50	<50	<50	<250	NA	NA	<50	<50
	02/15/02	**770**	<20	<20	<20	<100	<10,000	<1,000	<20	<20
	05/20/02	**730**	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	08/01/02	**610**	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	11/11/02	**600**	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	02/12/03	**640**	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	05/12/03	**580**	<10	<10	<10	<100	<10,000	<1,000	<10	<10
	08/11/03	**660**	<12	<12	<12	<120	<12,000	<1,200	<12	<12
	01/09/04	**590**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	04/14/04	**730**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	**620**	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
	10/20/04	**60**	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-3N	05/20/02	**1,500**	<25	<25	<25	<250	<25,000	<2,500	<25	<25
	08/01/02	**540**	<10	<10	**14**	<100	<10,000	<1,00	<10	<10
	11/11/02	**270**	<5.0	<5.0	**7.1**	<50	<5,000	<500	<5.0	<5.0
	02/12/03	**410**	<5.0	<5.0	<5.0	<50	<5,000	<500	<5.0	<5.0
	05/12/03	**360**	<6.2	<6.2	<6.2	<62	<6,200	<620	<6.2	<6.2
	08/11/03	**280**	<5.0	<5.0	<5.0	<50	<5,000	<500	<5.0	<5.0
	01/09/04	**230**	<1.0	<1.0	**2.5**	<10	<1,000	<50	<0.5	<0.5
	04/14/04	**220**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	**370**	<1.0	<1.0	**4.4**	<10	NA	NA	<0.5	<0.5
	10/20/04	**180**	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-4	08/30/00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/00	**120,000**	<2,500	<2,500	<2,500	<13,000	NA	NA	<2,500	<2,500
	11/06/00†	**120,000**	<2,500	<2,500	<2,500	<13,000	NA	NA	<2,500	<2,500
	02/22/01	**150,000**	<2,500	<2,500	<2,500	<13,000	<500,000	<130,000	<2,500	<2,500
	05/07/01	**200,000**	<5,000	<5,000	<5,000	<25,000	<2,500,000	<250,000	<5,000	<5,000
	08/22/01	**190,000**	<5,000	<5,000	<5,000	<25,000	NA	NA	<5,000	<5,000
	11/04/01	**170,000**	<2,500	<2,500	<2,500	<13,000	NA	NA	<2,500	<2,500
	02/15/02	**160,000**	<2,500	<2,500	<2,500	<12,500	<1,250,000	<125,000	<2,500	<2,500
	05/20/02	**130,000**	<1,700	<1,700	<1,700	<17,000	<2,500,000	<170,000	<1,700	<1,700
	08/01/02	**100,000**	<1,700	<1,700	<1,700	<17,000	<1,700,000	<170,000	<1,700	<1,700
	11/11/02	**84,000**	<1,700	<1,700	<1,700	<17,000	<1,700,000	<170,000	<1,700	<1,700
	02/12/03	**70,000**	<1,700	<1,700	<1,700	<17,000	<1,700,000	<170,000	<1,700	<1,700
	05/12/03	**86,000**	<1,700	<1,700	<1,700	<17,000	<1,700,000	<170,000	<1,700	<1,700
	08/11/03	**74,000**	<1,700	<1,700	<1,700	<17,000	<1,700,000	<170,000	<1,700	<1,700
	01/09/04	**50,000**	<1.0	<1.0	**85**	<10	<1,000	<50	<0.5	<0.5
	04/14/04	**27,000**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	**5,300**	<1.0	<1.0	**3.6**	**150,000**	NA	NA	<0.5	<0.5
	10/20/04	**840**	<1.0	<1.0	<1.0	**110,000**	NA	NA	<0.5	<0.5

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-5	08/30/00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/00	**42,000**	<1,000	<1,000	<1,000	<5,000	NA	NA	<1,000	<1,000
	02/22/01	**39,000**	<500	<500	<500	<2,500	<100,000	<25,000	<500	<500
	05/07/01	**59,000**	<1,000	<1,000	<1,000	<5,000	<500,000	<50,000	<1,000	<1,000
	08/22/01	**70,000**	<1,000	<1,000	<1,000	<5,000	NA	NA	<1,000	<1,000
	11/04/01	**37,000**	<1,000	<1,000	<1,000	<5,000	NA	NA	<1,000	<1,000
	02/15/02	**33,000**	<1,250	<1,250	<1,250	<6,250	<625,000	<62,500	<1,250	<1,250
	05/20/02	**28,000**	<500	<500	<500	<5,000	<500,000	<50,000	<500	<500
	08/01/02	**24,000**	<500	<500	<500	<5,000	<500,000	<50,000	<500	<500
	11/11/02	**8,800**	<200	<200	<200	**10,000**	<200,000	<20,000	<200	<200
	02/12/03	**3,200**	<100	<100	<100	**4,100**	<100,000	<10,000	<100	<100
	05/12/03	**21,000**	<500	<500	<500	**5,200**	<500,000	<50,000	<500	<500
	08/11/03	**1,700**	<50	<50	<50	**14,000**	<50,000	<5,000	<50	<50
	01/09/04	**1,500**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	04/14/04	**430**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	**320**	<1.0	<1.0	<1.0	**15,000**	NA	NA	<0.5	<0.5
	10/20/04	**23**	<1.0	<1.0	<1.0	**11,000**	NA	NA	<0.5	<0.5

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-6	08/30/00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/00	**27,000**	<630	<630	<630	<3,200	NA	NA	<630	<630
	02/22/01	**8,000**	<100	<100	<100	<500	<20,000	<5,000	<100	<100
	05/07/01	**40,000**	<500	<500	<500	<2,500	<250,000	<25,000	<500	<500
	08/22/01	**8,800**	<200	<200	<200	<1,000	NA	NA	<200	<200
	11/04/01	**17,000**	<250	<250	<250	<1,300	NA	NA	<250	<250
	02/15/02	**26,000**	<1,000	<1,000	<1,000	<5,000	<500,000	<50,000	<1,000	<1,000
	05/20/02	**37,000**	<500	<500	<500	<5,000	<500,000	<50,000	<500	<500
	08/01/02	**9,100**	<170	<170	<170	**3,800**	<170,000	<17,000	<170	<170
	11/11/02	**11,000**	<250	<250	<250	**8,600**	<250,000	<25,000	<250	<250
	02/12/03	**8,300**	<120	<120	<120	**4,600**	<120,000	<12,000	<120	<120
	05/12/03	**29,000**	<500	<500	<500	**8,700**	<500,000	<50,000	<500	<500
	08/11/03	**2,300**	<100	<100	<100	**27,000**	<100,000	<10,000	<100	<100
	01/09/04	**690**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	04/14/04	**190**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	**140**	<1.0	<1.0	<1.0	**15,000**	NA	NA	<0.5	<0.5
	10/20/04	**3,400**	<1.0	<1.0	<1.0	**77,000**	NA	NA	<0.5	<0.5

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-7	08/30/00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/00	**920,000**	<13,000	<13,000	<13,000	<63,000	NA	NA	<13,000	<13,000
	02/22/01	**460,000**	<5,000	<5,000	<5,000	<2,500	<1,000,000	<250,000	<5,000	<5,000
	02/22/01†	**500,000**	<5,000	<5,000	<5,000	<25,000	<1,000,000	<250,000	<5,000	<5,000
	05/07/01	**520,000**	<5,000	<5,000	<5,000	<2,500	<2,500,000	<250,000	<5,000	<5,000
	05/07/01†	**500,000**	<5,000	<5,000	<5,000	<25,000	<2,500,000	<5,000	<5,000	<5,000
	08/22/01	**250,000**	<5,000	<5,000	<5,000	<25,000	NA	NA	<5,000	<5,000
	11/04/01	**180,000**	<2,500	<2,500	<2,500	<13,000	NA	NA	<2,500	<2,500
	02/15/02	**200,000**	<5,000	<5,000	<5,000	<25,000	<2,500,000	<250,000	<5,000	<5,000
	02/15/02†	**200,000**	<5,000	<5,000	<5,000	<25,000	<2,500,000	<250,000	<5,000	<5,000
	05/20/02	**220,000**	<5,000	<5,000	<5,000	<50,000	<5,000,000	<500,000	<5,000	<5,000
	08/01/02	**150,000**	<2,500	<2,500	<2,500	<25,000	<2,500,000	<250,000	<2,500	<2,500
	11/11/02	**77,000**	<1,200	<1,200	<1,200	<12,000	<1,200,000	<120,000	<1,200	<1,200
	02/12/03	**110,000**	<1,700	<1,700	<1,700	<17,000	<1,700,000	<170,000	<1,700	<1,700
	05/12/03	**220,000**	<5,000	<5,000	<5,000	<5,000	<5,000,000	<500,000	<5,000	<5,000
	08/11/03	**140,000**	<5,000	<5,000	<5,000	<5,000	<5,000,000	<500,00	<5,000	<5,000
	01/09/04	**120,000**	<1.0	<1.0	**900**	<10	<1,000	<50	<0.5	**420**
	04/14/04	**220,000**	<1.0	<1.0	**660**	<10	<1,000	<50	<0.5	**400**
	07/21/04	**71,000**	<1.0	<1.0	**370**	<10	NA	NA	<0.5	**300**
	10/20/04	**39,000**	<1.0	<1.0	**290**	<10	NA	NA	<0.5	**180**

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-8	08/30/00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/00	**76,000**	<2,500	<2,500	<2,500	<13,000	NA	NA	<2,500	<2,500
	02/22/01	**130,000**	<2,000	<2,000	<2,000	<10,000	<400,000	<100,000	<2,000	<2,000
	05/07/01	**120,000**	<2,500	<2,500	<2,500	<13,000	<1,300,000	<13,000	<2,500	<2,500
	08/22/01	**86,000**	<1,700	<1,700	<1,700	<8,500	NA	NA	<1,700	<1,700
	11/04/01	**49,000**	<2,500	<2,500	<2,500	<13,000	NA	NA	<2,500	<2,500
	02/15/02	**91,000**	<2,500	<2,500	<2,500	<12,500	<1,250,000	<125,000	<2,500	<2,500
	05/20/02	**86,000**	<1,000	<1,000	<1,000	<10,000	<1,000,000	<100,000	<1,000	<1,000
	08/01/02	**67,000**	<1,000	<1,000	<1,000	<10,000	<1,000,000	<100,000	<1,000	<1,000
	11/11/02	**51,000**	<1,000	<1,000	<1,000	<10,000	<1,000,000	<100,000	<1,000	<1,000
	02/12/03	**51,000**	<1,000	<1,000	<1,000	<10,000	<1,000,000	<100,000	<1,000	<1,000
	05/12/03	**60,000**	<1,000	<1,000	<1,000	<10,000	<1,000,000	<100,000	<1,000	<1,000
	08/11/03	**42,000**	<1,000	<1,000	<1,000	<10,000	<1,000,000	<100,000	<1,000	<1,000
	01/09/04	**50,000**	<1.0	<1.0	**160**	<10	<1,000	<50	<0.5	<0.5
	04/14/04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/21/04	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/20/04	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260

RINEHART OIL, INC. - OAKLAND TRUCK STOP

1107 5th Street, Oakland, California

(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-9	08/30/00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/06/00	**220**	<25	<25	<25	<125	NA	NA	<5.0	<5.0
	02/22/01	**160**	<2.0	<2.0	<2.0	<1.0	<400	<100	<2.0	<2.0
	05/07/01	**150**	<2.5	<2.5	<2.5	<13	<1,300	<130	<2.5	<2.5
	08/22/01	**120**	<5.0	<5.0	<5.0	<25	NA	NA	<5.0	<5.0
	11/04/01	**120**	<5.0	<5.0	<5.0	<25	NA	NA	<5.0	<5.0
	02/15/02	**98**	<2.5	<2.5	<2.5	<12.5	<1,250	<125	<2.5	<2.5
	05/20/02	**85**	<2.5	<2.5	<2.5	<25	<2,500	<250	<2.5	<2.5
	08/01/02	**84**	<1.0	<1.0	<1.0	<10	<1,000	<100	<1.0	<1.0
	11/11/02	**61**	<2.5	<2.5	<2.5	<25	<2,500	<250	<2.5	<2.5
	02/12/03	**50**	<1.0	<1.0	<1.0	<10	<1,000	<100	<1.0	<1.0
	05/12/03	**45**	<1.0	<1.0	<1.0	<10	<1,000	<100	<1.0	<1.0
	08/11/03	**42**	<1.0	<1.0	<1.0	<10	<1,000	<100	<1.0	<1.0
	01/09/04	**140**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	04/14/04	**180**	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	**24**	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
	10/20/04	**78**	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
MW-10	08/01/02	**1.1**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	11/11/02	**0.7**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	02/12/03	<0.5	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	05/12/03	**0.59**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	08/11/03	**0.73**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	01/09/04	<1.0	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	04/14/04	<1.0	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
	10/20/04	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5

TABLE 4

ANALYTICAL RESULTS OF GROUND WATER SAMPLES - EPA Method 8260
RINEHART OIL, INC. - OAKLAND TRUCK STOP
1107 5th Street, Oakland, California
(µg/l)

Well ID	Date	MTBE (8260)	DIPE	ETBE	TAME	TBA	Methanol	Ethanol	EDB	1,2-DCA
MW-11	05/20/02	**310**	<5.0	<5.0	<5.0	<50	<5,000	<500	<5.0	<5.0
	08/01/02	**65**	<1.0	<1.0	<1.0	<10	<1,000	<100	<1.0	<1.0
	11/11/02	**15**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	02/12/03	**2.6**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	05/12/03	**2.3**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	08/11/03	**2.3**	<0.5	<0.5	<0.5	<5.0	<500	<50	<0.5	<0.5
	01/09/04	<1.0	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	04/14/04	<1.0	<1.0	<1.0	<1.0	<10	<1,000	<50	<0.5	<0.5
	07/21/04	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
	10/20/04	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	10/20/04	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
MW-13	10/20/04	**99**	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
MW-14	10/20/04	**90**	<1.0	<1.0	<1.0	<10	NA	NA	<0.5	<0.5
MCL		**13**	**NE**	**NE**	**NE**	**12****	**NE**	**NE**	**0.05**	**0.5**

Notes:

µg/l: micrograms per liter
†: duplicate sample
NA: not analyzed
NS: not sampled
MTBE: methyl tertiary-butyl ether
DIPE: di-isopropyl ether
ETBE: ethyl tertiary-butyl ether
TAME: tertiary-amyl methyl ether
TBA: tertiary-butyl alcohol
EDB: ethylene dibromide (1,2-dibromoethane)
1,2-DCA: 1,2-dichloroethane
MCL: primary Maximum Contaminant Level for drinking water in California
NE: no MCL has been established
**: Action Level, not MCL

APPENDIX A

Site Background Information
Rinehart Oil, Inc - Oakland Truck Stop
1107 5th Street, Oakland, California

BACKGROUND

The site is located at 1107 5th 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 a truck stop for the past forty years

REGIONAL GEOLOGIC/HYDROGEOLOGIC SETTING

The site is situated within the Coast Range Geomorphic Province of California. This geopmorphic 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 about 60 percent Urban land, 30 percent Danville soil, and 10 percent 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 subject property.

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.

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 addressing 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 of 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.

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 sometimes 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, several soil borings were advanced 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 MTBE concentrations that ranged from 170,000 µg/l to 460,000 µg/l in grab ground water samples from borings drilled directly north of the site, along the 5th Street sewer line. Borings east of the site had little to no contamination.

A passive skimmer was placed inside monitoring well MW-7 in January 2003 to remove free product.

During monitoring activities in April 2004, free-product was noted in MW-8. The passive skimmer from MW-7 was moved to MW-8 to remove the free product.

APPENDIX B

Advanced
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(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **Sparge**

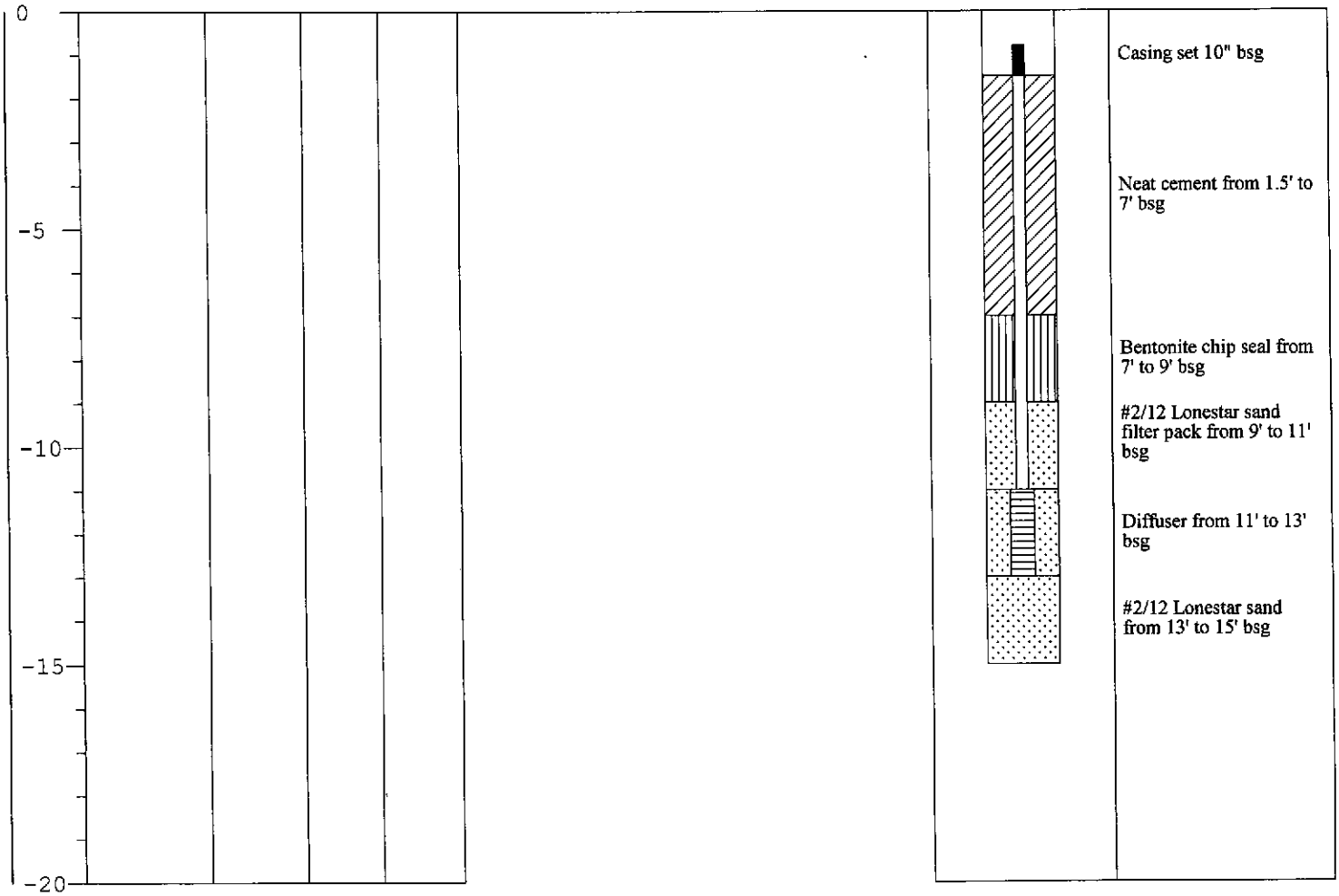
TOTAL DEPTH: **15'**

Project:	Rinehart - Oakland Truck Stop	Drilling Co.:	Cascade Drilling, Inc.
Site Location:	1107 5th Street Oakland, California	Rig/Auger Type:	LAR
		Logged By:	Rick Marty
		Reviewed By:	Bill Little
Project No.:	AGE-NC-03-1101	Date(s) Drilled:	04 and 05 October 2004

Notes:

⧖ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows / ft.	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description



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BORING LOG

BOREHOLE NO.: **MW-12**

TOTAL DEPTH: **20'**

Project:	Rinehart - Oakland Truck Stop	Drilling Co.:	Cascade Drilling, Inc.
Site Location:	1107 5th Street Oakland, California	Rig/Auger Type:	8" HS - LAR
		Logged By:	Rick Marty
		Reviewed By:	Bill Little
Project No.:	AGE-NC-03-1101	Date(s) Drilled:	05 October 2004

Notes:

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows / ft.	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0							Neat cement from 0.5' to 1.5' bsg
							Bentonite chip seal from 1.5' to 4' bsg
-5	MW12-5				SILTY SAND: Gray, SILTY FINE SAND; moist, no hydrocarbon (HC) odor.		
-10	MW12-10				SILTY SAND: Black and gray, SILTY FINE SAND; moist, no HC odor.		#2/12 Lonestar sand filter pack from 4' to 20' bsg
▽							
-15	MW12-15				SAND: Gray, SAND; saturated, no HC odor.		
-20	MW12-20				CLAY: Gray, CLAY; moist, stale odor.		Cap at 20' bsg
-25							

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BORING LOG

BOREHOLE NO.: **MW-13**

TOTAL DEPTH: **20'**

Project:	Rinehart - Oakland Truck Stop	Drilling Co.:	Cascade Drilling, Inc.
Site Location:	1107 5th Street Oakland, California	Rig/Auger Type:	8" HS - LAR
		Logged By:	Rick Marty
		Reviewed By:	Bill Little
Project No.:	AGE-NC-03-1101	Date(s) Drilled:	05 October 2004

Notes:

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows / ft.	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0							Neat cement from 0.5' to 1.5' bsg
							Bentonite chip seal from 1.5' to 4' bsg
-5	MW13-5				SANDY SILT: Gray-brown, SANDY SILT; moist, no hydrocarbon (HC) odor.		
-10	MW13-10				SAND: Gray, SAND; moist, fine-grained, no HC odor.		#2/12 Lonestar sand filter pack from 4' to 20' bsg
-15	MW13-15				SILT: Brown, SILT; moist, stale odor.		
▽							
-20	MW13-20				SAND: Gray, SAND; saturated, no HC odor.		Cap at 20' bsg
-25							

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BORING LOG

BOREHOLE NO.: **MW-14**

TOTAL DEPTH: **20'**

Project:	Rinehart - Oakland Truck Stop	Drilling Co.:	Cascade Drilling, Inc.
Site Location:	1107 5th Street Oakland, California	Rig/Auger Type:	8" HS - LAR
		Logged By:	Rick Marty
		Reviewed By:	Bill Little
Project No.:	AGE-NC-03-1101	Date(s) Drilled:	05 October 2004

Notes:

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows / ft.	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0							Neat cement from 0.5' to 1.5' bsg
							Bentonite chip seal from 1.5' to 4' bsg
-5	MW14-5				SILTY SAND: Gray, SILTY SAND; moist, strong hydrocarbon (HC) odor.		
-10	MW14-10				SAND: Gray, SAND; saturated, HC odor.		#2/12 Lonestar sand filter pack from 4' to 20' bsg
-15	MW14-15				SILTY SAND: Brown and gray, SILTY SAND; moist, HC odor.		
▽							
-20	MW14-20				SAND: SAND; saturated. (No sample)		Cap at 20' bsg
-25							

APPENDIX C

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Monitoring Well Field Log

Well Data

Project Name: Oakland Truck Stop		Project No.: *AGE-NC-*	Date: 10/14/04
Pre-Purge DTW: 5.79	Time: 1001	Well I.D.: MW 12	
Post-Purge DTW: 19.63	Time: 1029		
Total Depth of Well: 20.14	Well Volume: 2.29	Casing Diameter: (2") 4" 6"	Gal./Ft.: 0.16 0.65 1.47
Sampler(s): CT		Sample Containers: N/A	
Sample I.D.: N/A		Analysis: N/A	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X____	Color/ Turbidity	Notes
1010	0	6.28	22.6	5.75 ms	cloudy tan	no odor
1013	5	6.39	22.9	4.41 ms	cloudy brown	Slight odor
1016	10	6.41	22.8	3.63 ms	"	"
	15					
	20					
	23					
	—	water Drew Down to 19.63 After				
		14 Gallon no silt in water				
	—	Post Purge Total Depth was 20.19				
	—	Used Steel Bailer to Purge 1st 5 gallon				

Purge Method:	Steel Bailer & Waterra Inertia Pump		
Sample Method:	N/A	Well Integrity:	
Sample Time:	N/A	Dissolved O_2:	
Oakton			
24' — 5/8" Tubing			

Version 3.0/0898/REM

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Monitoring Well Field Log

Well Data

Project Name: Oakland Truck Stop		Project No.: *AGE-NC-*	Date: 10/14/04
Pre-Purge DTW: 6.11	Time: 1047	Well I.D.: MW 13	
Post-Purge DTW: 19.39	Time: 1102		
Total Depth of Well: 19.61	Well Volume: 21.6	Casing Diameter: 2" (circled) 4" 6"	
		Gal./Ft.: 0.16 0.65 1.47	
Sampler(s): CT		Sample Containers: N/A	
Sample I.D.: N/A		Analysis: N/A	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X____	Color/ Turbidity	Notes
1051	0	6.73	21.4	4.41 ms	cloudy Tan	no odor
1054	5	6.78	21.6	3.94 ms	cloudy Brown	"
1059	10	6.36	21.0	4.43	"	"
	15					
	22					
	– Water Drew Down to 19.39					Could not Purge
	water A Fert 13.5 gallons					
	– Post Purge T.D (Toc) was 19.65					
	– Purge 1st 5 gallon with Steel Bailer					

Purge Method:	Steel Bailer & Water Inertia Pump		
Sample Method:	N/A	Well Integrity:	
Sample Time:	N/A	Dissolved O_2:	
Oakton			
24' – 5/8" Tubing			

Version 3.0/0898/REM

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Monitoring Well Field Log

Well Data

Project Name: Oakland Truckstop		Project No.: *AGE-NC-*	Date: 10/14/04
Pre-Purge DTW: 6.50	Time: 1119	Well I.D.: MW 14	
Post-Purge DTW: 9.37	Time: 1142		
Total Depth of Well: 19.69	Well Volume: 2.11	Casing Diameter: 2" 4" 6"	Gal./Ft: 0.16 0.65 1.47
Sampler(s): CT		Sample Containers: N/A	
Sample I.D.: N/A		Analysis: N/A	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X____	Color/ Turbidity	Notes
1123	0	To Silty	To Test/Turn			Odor
1125	5	6.77	24.5	1371	cloudy tan	Odor
1132	10	6.71	24.2	1249	"	"
1136	15	6.62	24.2	1193	"	"
1140	21	6.56	24.1	1147	"	"
	- Post Purge TD (TOC) 19.85					
	- Purge 1st 5gallons with Steel Bailer					

Purge Method:	Steel Bailer & Waterra Inertia Pump		
Sample Method:	N/A	Well Integrity:	
Sample Time:	N/A	Dissolved O_2:	
	Oakton		
24' - 3/8" Tubing			

Version 3.0/0898/REM

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Ground Water Depth & Dissolved Oxygen Field Log

Project: Oakland truck stop Date: 10/20/04

Field Personnel: KL, CT Page: 1 of 1

Well ID	Time	Casing Elev	Depth to Free Product	Depth to Water	Ground Water Elev	Measured Depth TOC	Total Depth	ORP	Dissolved Oxygen mg/l	Dissolved Oxygen %	Dissolved Oxygen °C
MW-1	1033	10.34		4.00	6.34	~~11.73~~	17.63				
3N	1012	11.67		5.28	6.39	~~20.00~~	11.73				
4	1022	10.46		4.89	5.57	20.00					
5	1016	10.24		4.49	5.75	14.40					
6	1014	10.62		4.63	5.99	14.60					
7	1020	11.69		6.42	5.27	19.05					
8	1030	10.06	4.69	4.72	5.34	—					
9	1024	10.03		4.20	5.83	20.00					
10	1036	11.07		1.05	10.02	11.16					
11		Car	parked	over well can't find			owner				
12	1009	—		5.41	—	20.29					
13	1006	—		5.67	—	19.75					
14	1001	—		6.36	—	19.98					

6.14
6.28

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop		Project No.: AGE-NC-	Date: 10/20/04
Pre-Purge DTW: 4.00	Time: 1033	Well I.D.: MW-1	
Post-Purge DTW: 15.54	Time: 1236		
Total Depth of Well: 17.63	Well Volume: 2.18	Casing Diameter: (2") 4" 6" Gal./Ft.: (0.16) 0.65 1.47	
Sampler(s): (IGL) CT		Sample Containers: 3 VOAs + 1 Amber	
Sample I.D.: MW-1 10202004		Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X____	Color/ Turbidity	Notes
1228	0	6.83	25.7	3.60	cloudy	No odor
1230	2.5	6.80	25.5	4.33	"	"
1232	5.0	6.80	25.1	4.80	"	"
1235	7.0	6.79	24.6	5.60	"	"
	- Drew down to (15.54) waiting for recharge to sample					
	- DTW at 10:34 at sample time					

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1336	Dissolved O_2:	

Version 3.0/08/98/REM

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC-	Date: 10/20/04
Pre-Purge DTW: 5.28 Time: 1012	Well I.D.: MW-3N	
Post-Purge DTW: 9.44 Time: 1119		
Total Depth of Well: 11.73 Well Volume: 1.03	Casing Diameter: (2") 4" 6" Gal./Ft.: (0.16) 0.65 1.47	
Sampler(s): (KL) CT	Sample Containers: 3 VOAs + 1 Amber	
Sample I.D.: MW-3N /102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1114	0	6.47	25.0	1246	clear	slight odor
1115	1	6.47	25.2	1255	clear	odor/sheen
1117	2	6.50	25.3	1271	semi clear	"
1118	3.25	6.50	25.3	1284	cloudy	"
	-Drew down to (9.44) waiting for recharge to sample					
	-DTW at (7.80) at sample time					

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1145	Dissolved O_2:	

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC- / Date: 10/20/04
Pre-Purge DTW: 4.89 Time: 1022	Well I.D.: MW-4
Post-Purge DTW: 11.53 Time: 1252	
Total Depth of Well: 20.00 / Well Volume: 2.41	Casing Diameter: (2") 4" 6" / Gal./Ft.: (0.16) 0.65 1.47
Sampler(s): IKL, (CT)	Sample Containers: 3 VOAs + 1 Amber
Sample I.D.: MW-4 / 102004	Analysis: TPH-G,D/BTEX/Oxys/1,2 DCA & EDB

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1245	0	6.25	26.3	2.69 MS	Clear	odor
1247	2.5	6.23	26.3	2.71 MS	"	"
1249	5	6.26	26.2	2.64 MS	"	"
1251	7.25	6.23	25.7	2.80 MS	"	"
	DTW was 6.38 at time of sampling					

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1405	Dissolved O_2:	
Oakton			

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC- / Date: 10/20/04
Pre-Purge DTW: 4.49 Time: 1016	Well I.D.: MW-5
Post-Purge DTW: 4.50 Time: 1152	
Total Depth of Well: 14.40 / Well Volume: 1.58	Casing Diameter: (2") 4" 6" / Gal./Ft.: (0.16) 0.65 1.47
Sampler(s): (KL) CT	Sample Containers: 3 VOAs + 1 Amber
Sample I.D.: MW-5 / 102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1145	0	6.79	25.2	1255	clear	No odor
1147	2	6.73	25.1	1354	cloudy	"
1149	4	6.73	25.1	1292	"	"
1151	5	6.72	25.1	1291	"	"

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1153	Dissolved O_2:	

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: *AGE-NC-*	Date: 10/20/04
Pre-Purge DTW: 4.63 Time: 1014 Post-Purge DTW: 4.71 Time: 1132	Well I.D.: MW-6	
Total Depth of Well: 14.60 Well Volume: 1.59	Casing Diameter: (2") 4" 6" Gal./Ft.: (0.16) 0.65 1.47	
Sampler(s): (KL), CT	Sample Containers: 3 VOAs + 1 Amber	
Sample I.D.: MW-6 /102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1126	0	6.74	25.6	1648	clear	odor
1128	2	6.82	25.8	1582	cloudy	"
1130	4	6.83	25.6	1772	"	"
1131	5	6.84	25.4	1760	"	"

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1133	Dissolved O_2:	

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC- / Date: 10/20/04
Pre-Purge DTW: 6.42 Time: 1210	Well I.D.: MW-7
Post-Purge DTW: 8.73 Time: 1226	
Total Depth of Well: 19.05 / Well Volume: 2.07	Casing Diameter: (2") 4" 6" — Gal./Ft.: (0.16) 0.65 1.47
Sampler(s): IKL, (CT)	Sample Containers: 3 VOAs + 1 Amber
Sample I.D.: MW-7 / 102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X____	Color/ Turbidity	Notes
1218	0	6.66	26.3	1240	Clear	Odor/sheen
1220	2.25	6.21	25.7	1275	"	"
1222	4.25	6.22	25.3	1271	"	"
1224	6.25	6.21	24.5	1275	"	"

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1229	Dissolved O_2:	
	Oakton		

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC- / Date: 10/20/04
Pre-Purge DTW: Free Product 4.69 - 4.72 Time: 1030	Well I.D.: MW-8
Post-Purge DTW: Time:	
Total Depth of Well: Well Volume:	Casing Diameter: (2") 4" 6" Gal./Ft.: (0.16) 0.65 1.47
Sampler(s): KL, (CT)	Sample Containers: 3 VOAs + 1 Amber
Sample I.D.: MW-8 / 102004	Analysis: TPH-G, D/BTEX/5oxys/1,2 DCA & EDB

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
	-Free Product Found in well					
	no sample taken (4.69-4.72)					
	-Purged 3gallon Till Product was clear					

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:		Dissolved O_2:	

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC- / Date: 10/20/04
Pre-Purge DTW: 4.20 Time: 1024	Well I.D.: MW-9
Post-Purge DTW: 15.20 Time: 1217	
Total Depth of Well: 20.00 / Well Volume: 2.52	Casing Diameter: (2") 4" 6" / Gal./Ft.: (0.16) 0.65 1.47
Sampler(s): (KL), CT	Sample Containers: 3 VOAs + 1 Amber
Sample I.D.: MW-9 10200 4	Analysis: TPH-G,D/BTEX/Oxys/1,2 DCA + EDB

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1209	0	6.60	25.7	4.32	clear	No oder
1212	3	6.61	25.8	4.53	semi clear	"
1214	6	6.68	24.7	4.97	"	"
1216	8	6.64	24.1	5.21	"	"
	-Drew down to (15.20) waiting for recharge to sample.					
	-DTW at (5.30) at sample time.					

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1320	Dissolved O_2:	

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC-	Date: 10/20/04
Pre-Purge DTW: 1.05 Time: 1036 Post-Purge DTW: 1.39 Time: 1103	Well I.D.: MW-10	
Total Depth of Well: 11.16 Well Volume: 1.61	Casing Diameter: (2") 4" 6" Gal./Ft.: (0.16) 0.65 1.47	
Sampler(s): (KL) CT	Sample Containers: 3 VOAs + 1 Amber	
Sample I.D.: MW-10 /102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA+EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1058	0	6.47	22.5	587	clear	No odor
1059	2	6.70	23.2	570	cloudy	"
1101	4	6.80	23.3	571	"	"
1102	5	6.82	23.3	571	"	"

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1104	Dissolved O_2:	

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: *AGE-NC-*	Date: 10/20/04
Pre-Purge DTW: Time:	Well I.D.: MW-11	
Post-Purge DTW: Time:		
Total Depth of Well: Well Volume:	Casing Diameter: 2" 4" 6" (circled 2") Gal./Ft.: 0.16 0.65 1.47	
Sampler(s): IKL, CT	Sample Containers: 3 VOAs + 1 Amber	
Sample I.D.: MW-11 /102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X____	Color/ Turbidity	Notes
	X	Car parked over well unable				
		to purge or sample				

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	No Sample	Dissolved O_2:	

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop	Project No.: AGE-NC- / Date: 10/20/04
Pre-Purge DTW: 5.41 Time: 1004	Well I.D.: MW-12
Post-Purge DTW: 10.32 Time: 1134	
Total Depth of Well: 20.71 / Well Volume: 7.38	Casing Diameter: (2") 4" 6" / Gal./Ft.: (0.16) 0.65 1.47
Sampler(s): KL, CT	Sample Containers: 3 VOAs + 1 Amber
Sample I.D.: MW-12/102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1127	0	6.37	23.1C	1774	Clear	no odor
1129	2.5	6.40	23.1C	1681	Cloudy/Fair	"
1131	5	6.40	23.4	1723	"	"
1133	7.25	6.39	23.3	1876	"	"
	-Drew DOWN to sample			Wait for recharge		
	-DTW was at 5.91 at time of sample					

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1330	Dissolved O_2:	
	Oakton		

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Monitoring Well Field Log

Well Data

Project Name: Oakland Truck Stop	Project No.: AGE-NC-	Date: 10/20/04
Pre-Purge DTW: 5.67 Time: 1006 Post-Purge DTW: 13.18 Time: 1116	Well I.D.: MW-13	
Total Depth of Well: 19.75 Well Volume: 2.25	Casing Diameter: 2" 4" 6" Gal./Ft.: 0.16 0.65 1.47	
Sampler(s): IKL, CT	Sample Containers: 3 VOAs + 1 Amber	
Sample I.D.: MW-13 / 102004	Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1108	0	6.77	22.5	2.22 ms	Clear	no odor
1110	2.25	6.16	22.3	2.24 ms	Cloudy Tan	"
1112	4.5	6.16	22.0	2.27 ms	"	"
1114	6.75	6.20	21.6	2.90 ms	"	"
	-Water Drew Down wait for recharge to					
	sample					
	-DTW was 6.80 AT Time of Sample					

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1307	Dissolved O_2:	
Oakton			

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Monitoring Well Field Log

Well Data

Project Name: Oakland truck stop		Project No.: AGE-NC-	Date: 10/20/04
Pre-Purge DTW: 6.36	Time: 1004	Well I.D.: MW-14	
Post-Purge DTW: 8.93	Time: 1159		
Total Depth of Well: 19.98	Well Volume: 2.17	Casing Diameter: 2" (0.16) 4" (0.65) 6" (1.47)	
Sampler(s): IKL, (CT)		Sample Containers: 3 VOAs + 1 Amber	
Sample I.D.: MW-14 / 102004		Analysis: TPH-G,D/BTEX/5oxys/1,2 DCA & EDB	

Stabilization Data

Time	Volume (gallons)	pH	Temp.	Cond µS/cm X	Color/ Turbidity	Notes
1150	0	6.91	22.2	1878	clear	Slight odor
1152	2.25	6.46	25.6	927	cloudy tan	"
1154	4.5	6.52	25.5	948	"	"
1156	6.75	6.53	24.6	889	"	"

Purge Method:	Disposable bailer		
Sample Method:	-SAME-	Well Integrity:	
Sample Time:	1202	Dissolved O_2:	
Oakton			

Version 3.0/8/98/REM

APPENDIX D

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Advanced GeoEnvironmental, Inc.	Client Project ID: Oakland Truck Stop	Date Sampled: 10/05/04
837 Shaw Road		Date Received: 10/06/04
Stockton, CA 95215	Client Contact: Bob Marty	Date Reported: 10/07/04
	Client P.O.:	Date Completed: 10/07/04

WorkOrder: 0410067

October 07, 2004

Dear Bob:

Enclosed are:

1). the results of **3** analyzed samples from your **Oakland Truck Stop project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Advanced GeoEnvironmental, Inc.	Client Project ID: Oakland Truck Stop	Date Sampled: 10/05/04
837 Shaw Road		Date Received: 10/06/04
Stockton, CA 95215	Client Contact: Bob Marty	Date Extracted: 10/06/04
	Client P.O.:	Date Analyzed: 10/06/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE [Encore Sampling]*

Extraction method: SW5035 Analytical methods: SW8021B/8015Cm Work Order: 0410067

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW 12/15'	S	ND<0.88,n	---	ND<0.0044	ND<0.0044	ND<0.0044	ND<0.0044	1	86.0
002A	MW 13/20'	S	ND<0.88,n	---	ND<0.0044	ND<0.0044	ND<0.0044	ND<0.0044	1	86.0
003A	MW 14/10'	S	ND<0.83,n	---	ND<0.0041	ND<0.0041	ND<0.0041	ND<0.0041	1	81.0

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Advanced GeoEnvironmental, Inc.	Client Project ID: Oakland Truck Stop	Date Sampled: 10/05/04
837 Shaw Road		Date Received: 10/06/04
Stockton, CA 95215	Client Contact: Bob Marty	Date Extracted: 10/06/04
	Client P.O.:	Date Analyzed: 10/06/04-10/07/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0410067

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0410067-001C	MW 12/15'	S	ND	1	95.0
0410067-002C	MW 13/20'	S	ND	1	95.0
0410067-003C	MW 14/10'	S	1.8,d,b	1	98.0

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Advanced GeoEnvironmental, Inc.	Client Project ID: Oakland Truck Stop	Date Sampled: 10/05/04
837 Shaw Road		Date Received: 10/06/04
Stockton, CA 95215	Client Contact: Bob Marty	Date Extracted: 10/06/04
	Client P.O.:	Date Analyzed: 10/06/04

Oxygenated Volatile Organics by P&T and GC/MS [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0410067

Lab ID	0410067-001B	0410067-002B	0410067-003B		Reporting Limit for DF =1	
Client ID	MW 12/15'	MW 13/20'	MW 14/10'			
Matrix	S	S	S			
DF	1	1	10		S	W
Compound	**Concentration**				µg/Kg	ug/L
tert-Amyl methyl ether (TAME)	ND<8.5	ND<8.4	ND<85		5.0	NA
t-Butyl alcohol (TBA)	ND<43	ND<42	ND<430		25	NA
Diisopropyl ether (DIPE)	ND<8.5	ND<8.4	ND<85		5.0	NA
Ethyl tert-butyl ether (ETBE)	ND<8.5	ND<8.4	ND<85		5.0	NA
Methyl-t-butyl ether (MTBE)	ND<8.5	ND<8.4	2000		5.0	NA
Surrogate Recoveries (%)						
%SS:	103	104	104			
Comments	k	k	k			

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0410067

EPA Method: SW8021B/8015Cm Extraction: SW5035 BatchID: 13440 Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) £	N/A	0.60	N/A	N/A	N/A	95.7	97.4	10.5	70	130
MTBE	N/A	0.10	N/A	N/A	N/A	98.8	99.7	3.03	70	130
Benzene	N/A	0.10	N/A	N/A	N/A	104	105	2.31	70	130
Toluene	N/A	0.10	N/A	N/A	N/A	83.8	84.9	3.13	70	130
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	102	103	1.97	70	130
Xylenes	N/A	0.30	N/A	N/A	N/A	90.3	90.7	0.368	70	130
%SS:	N/A	0.10	N/A	N/A	N/A	101	99	13.5	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0410067

EPA Method: SW8015C Extraction: SW3550C BatchID: 13466 Spiked Sample ID: 0410054-017A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	119	118	0.562	116	115	0.0292	70	130
%SS:	89.0	50	120	120	0	118	117	0.144	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0410067

EPA Method: SW8260B Extraction: SW5035 BatchID: 13475 Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	N/A	50	N/A	N/A	N/A	84.5	89.7	6.04	70	130
t-Butyl alcohol (TBA)	N/A	250	N/A	N/A	N/A	88.3	99.8	12.2	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	120	127	5.52	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	105	110	4.96	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	92.7	98.9	6.41	70	130
%SS1:	N/A	50	N/A	N/A	N/A	102	103	1.29	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0410067 **ClientID: AGES**

Report to:
Bob Marty
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215

TEL: (209) 467-1006
FAX: (209) 467-1118
ProjectNo: Oakland Truck Stop
PO:

Bill to:
Accounts Payable
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215

Requested TAT: 1 day

Date Received: 10/6/04
Date Printed: 10/6/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0410067-001	MW 12/15'	Soil	10/5/04 12:21:00	☐	B	A	A	C											
0410067-002	MW 13/20'	Soil	10/5/04 1:29:00 PM	☐	B	A		C											
0410067-003	MW 14/10'	Soil	10/5/04 2:49:00 PM	☐	B	A		C											

Test Legend:

1	5-OXYS_E	2	G-MBTEX_ENCORE	3	PREDF REPORT	4	TPH(D)_S	5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Rosa Venegas

Comments: 24 hr TAT

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

1905 041006-7

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION

VOAS	O&G	METALS	OTHER

APPROPRIATE ✓
CONTAINERS
PRESERVED IN LAB

CHAIN OF CUSTODY RECORD

RUSH!

Date 10/5/04 Page 1 of 1

Advanced
GeoEnvironmental, Inc.
837 Shaw Road - Stockton, California - 95215 - (209) 467-1006 - Fax (209) 467-1118

Client Kinder Morgan

Project Manager Bob Marty

Phone Number (209) 467-1006

Samplers: (Signature)

Project Name Oakland Truck Stop

Invoice: AGE ☑ Client ☐

Sample Number	Location Description	Date	Time	Sample Type: Water Comp.	Water Grab.	Air	Solid	No. of Conts.	TPH-G+D (8260)	BTEX (8260)	5 Oxy (8260)	Notes
MW 12 / 15'		10/5/04	1221				x	3	X	X	X	
MW 13 / 20'		10/5/04	1329				x	3	X	X	X	
MW 14 / 10'		10/5/04	1449				x	3	X	X	X	

Relinquished by: (Signature)

Received by: (Signature) 10/06 9:50

Date/Time 10/6/04 945

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by Mobile Laboratory for field analysis: (Signature)

24hr TAT

Date/Time

Dispatched by: (Signature)

Date/Time

Received for Laboratory by:

Date/Time

Method of Shipment: Delivered to Lab RW

Laboratory Name McCampbell

Special Instructions: # Encore's have 48 hr hold Time
Samples taken earlier, need 24hr TAT

I hereby authorize the performance of the above indicated work.

APPENDIX E

CAL TECH Environmental Laboratories

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

ANALYTICAL RESULTS*

CTEL Project No: CT214-0410117
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118

Attention: Mr. Bob Marty

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

Date Sampled: 10/20/04 @ 13:36 p.m.
Date Received: 10/21/04 @ 09:00 am
Date Analyzed: 10/21/04 – 10/21/04

Matrix: Water

Laboratory ID: / Client Sample ID:	0410-117-1 MW1	0410-117-2 MW3N	0410-117-3 MW4	Method	Units:	Detection Limit
Dilution	1	1	10			
TPH - Gasoline	ND	190	22000	EPA 8015M	ug/L	50
TPH – Diesel	ND	ND	ND<0.05	EPA 8015M	mg/L	0.05
VOC, 8260B						
Dilution	1	1	1-100			
Methyl-tert-butyl-ether(MtBE)	60	180	840	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	110000	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	ND<1	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	ND<1	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	ND<0.5	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND	ND	ND<0.5	SW846 8260B	ug/L	0.5
Benzene	ND	3.5	ND<0.5	SW846 8260B	ug/L	0.5
Toluene	ND	ND	ND<0.5	SW846 8260B	ug/L	0.5
Ethylbenzene	ND	ND	ND<0.5	SW846 8260B	ug/L	0.5
m,p-Xylene	ND	5.2	ND<0.6	SW846 8260B	ug/L	0.6
o-Xylene	ND	ND	ND<0.6	SW846 8260B	ug/L	0.6

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	99	123	117	70-130
1,2 Dichloroethaned4	123	129	106	70-130
Toluene-d8	84	78	74	70-130
Bromofluorobenzene	79	73	70	70-130

CTEL Project No:	CT214-0410117
Client Name:	Advanced Geo Environmental, Inc.
	837 Shaw Road
	Stockton, CA 95215
Attention:	Mr. Bob Marty

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

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

Date Sampled:	10/20/04 @ 11:53 am
Date Received:	10/21/04 @ 09:00 am
Date Analyzed:	10/21/04 – 10/21/04

Matrix: Water

Laboratory ID:	0410-117-4	0410-117-5	0410-117-6	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	MW5	MW6	MW7			
Dilution	1	1	10-100			
TPH - Gasoline	1900	7700	130000	EPA 8015M	ug/L	50
TPH – Diesel	ND	4.5	8.4	EPA 8015M	mg/L	0.05
VOC, 8260B						
Dilution	1-10	1-10	1-500			
Methyl-tert-butyl-ether(MtBE)	23	3400	39000	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	11000	77000	ND<10	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND<1	ND<1	ND<1	SW846 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND<1	ND<1	ND<1	SW846 8260B	ug/L	1
t-Amyl Methyl Ether (TAME)	ND<1	ND<1	290	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND<0.5	ND<0.5	180	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND<0.5	ND<0.5	ND<0.5	SW846 8260B	ug/L	0.5
Benzene	ND<0.5	ND<0.5	14000	SW846 8260B	ug/L	0.5
Toluene	ND<0.5	ND<0.5	420	SW846 8260B	ug/L	0.5
Ethylbenzene	ND<0.5	ND<0.5	600	SW846 8260B	ug/L	0.5
m,p-Xylene	ND<0.6	ND<0.6	320	SW846 8260B	ug/L	0.6
o-Xylene	ND<0.6	ND<0.6	60	SW846 8260B	ug/L	0.6

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	85	84	94	70-130
1,2 Dichloroethaned4	110	112	109	70-130
Toluene-d8	80	71	88	70-130
Bromofluorobenzene	73	70	86	70-130

CTEL Project No:	CT214-0410117
Client Name:	Advanced Geo Environmental, Inc.
	837 Shaw Road
	Stockton, CA 95215
Attention:	Mr. Bob Marty

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

Project ID:	Global ID: T0607700
Project Name:	Oakland Truck Stop
Date Sampled:	10/20/04 @ 13:20 p.m.
Date Received:	10/21/04 @ 09:00 am
Date Analyzed	10/21/04 – 10/21/04

Matrix: Water

Laboratory ID: / **Client Sample ID:**	0410-117-7 MW9	0410-117-8 MW10	0410-117-9 MW12	**Method**	**Units:**	**Detection Limit**
Dilution	1	1	1			
TPH - Gasoline	80	ND	ND	EPA 8015M	ug/L	50
TPH – Diesel	ND	ND	ND	EPA 8015M	mg/L	0.05
VOC, 8260B						
Dilution	1	1	1			
Methyl-tert-butyl-ether(MtBE)	78	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	101	110	106	70-130
1,2 Dichloroethaned4	122	129	121	70-130
Toluene-d8	79	81	79	70-130
Bromofluorobenzene	83	86	75	70-130

CTEL Project No:	CT214-0410117
Client Name:	Advanced Geo Environmental, Inc.
	837 Shaw Road
	Stockton, CA 95215
Attention:	Mr. Bob Marty

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

Project ID:	Global ID: T0607700
Project Name:	Oakland Truck Stop
Date Sampled:	10/20/04 @ 13:20 p.m.
Date Received:	10/21/04 @ 09:00 am
Date Analyzed	10/21/04 – 10/21/04

Matrix: Water

Laboratory ID: / **Client Sample ID:**	0410-117-10 MW13	0410-117-11 MW14	**Method**	**Units:**	**Detection Limit**
Dilution	1	1			
TPH - Gasoline	100	490	EPA 8015M	ug/L	50
TPH – Diesel	ND	ND	EPA 8015M	mg/L	0.05
VOC, 8260B					
Dilution	1	1			
Methyl-tert-butyl-ether(MtBE)	99	90	SW846 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	SW846 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	SW846 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	SW846 8260B	ug/L	1
t-Amyl Methyl Ether (TAME)	ND	ND	SW846 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	SW846 8260B	ug/L	0.5
1,2-Dibromoethane(EDB)	ND	ND	SW846 8260B	ug/L	0.5
Benzene	ND	ND	SW846 8260B	ug/L	0.5
Toluene	ND	ND	SW846 8260B	ug/L	0.5
Ethylbenzene	ND	ND	SW846 8260B	ug/L	0.5
m,p-Xylene	ND	ND	SW846 8260B	ug/L	0.6
o-Xylene	ND	ND	SW846 8260B	ug/L	0.6

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY		Control Limit
Dibromofluoromethane	109	97	70-130
1,2 Dichloroethaned4	112	111	70-130
Toluene-d8	82	77	70-130
Bromofluorobenzene	88	85	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: 10/21/04

Units: ug/L

Perimeters	LSC	LCSD	Spike Added	LCS % Rec.	LCSD % Rec.	Limits	RPD
TPH - Gasoline	1033	1050	1000	103	105	60-140	2
TPH - Diesel	1065	1011	1000	107	101	60-140	6

Perimeters	Blank	Limits	RPD
TPH - Gasoline	0	60-140	
TPH - Diesel	0	60-140	

LCS: Laboratory Control Standard
LCSD: Laboratory Control Standard Duplicate

RPD: Relative Percent Difference of LCS and LCSD

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: 10/21/04

Units: ug/L

Perimeters	LSC	LCSD	Spike Added	LCS % Rec.	LCSD % Rec.	Limits	RPD
1,1-Dichloroethene	44	45	50	88	90	60-140	2
Benzene	46	48	50	92	96	60-140	4
Trichloroethene	47	48	50	94	96	60-140	2
Toluene	48	48	50	96	96	60-140	0
Chlorobenzene	48	50	50	96	100	60-140	4
m,p-Xylenes	96	104	100	96	104	60-140	8

LCS: Laboratory Control Standard
LCSD: Laboratory Control Standard Duplicate

RPD: Relative Percent Difference of LCS and LCSD

Perimeters	Blank	Limits	RPD
1,1-Dichloroethene	0	70-130	
Benzene	0	70-130	
Trichloroethene	0	70-130	
Toluene	0	70-130	
Chlorobenzene	0	70-130	
m,p-Xylenes	0	70-130	

Advanced
GeoEnvironmental, Inc.
837 Shaw Road - Stockton, California - 95215 - (209) 467-1006 - Fax (209) 467-1118

CHAIN OF CUSTODY RECORD

Date 10/20/04 Page 1 of 2

10-117

Client Reed Rinehart

Project Manager Bob Marty

Phone Number (209) 467-1006

Samplers: (Signature)

Project Name Oakland truck stop

Tests Required

Invoice: AGE ☒ Client ☐

Sample Number	Location Description	Date	Time	Sample Type: Water Comp.	Sample Type: Water Grab.	Sample Type: Air	Solid	No. of Conts.	TPH-G+D 8015	BTEX 8260	5 Fuel oxys	methanol+ethanol	1,2 DCA+EDB				Notes
MW1/102004	MW 1	10/20/04	1336		X			4	X	X	X	X	X				
MW3N	MW 3N		1245		X			4	X	X	X	X	X				
MW4	MW 4		1405		X			4	X	X	X	X	X				
MW5	MW5		1153		X			4	X	X	X	X	X				
MW6	MW 6		1133		X			4	X	X	X	X	X				
MW7	MW 7		1229		X			4	X	X	X	X	X				
MW9	MW 9		1320		X			4	X	X	X	X	X				

Relinquished by: (Signature)

Received by: (Signature)

Date/Time 10/20/04/1630

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by Mobile Laboratory for field analysis: (Signature) S.T.A.T.

Date/Time

Dispatched by: (Signature)

Date/Time

Received for Laboratory by: R. Taylor

Date/Time 10-21-04/9:00

Method of Shipment: Cal overnight

Laboratory Name Cal tech

Special Instructions: "NEED EDF"

I hereby authorize the performance of the above indicated work.

Advanced
GeoEnvironmental, Inc.
837 Shaw Road - Stockton, California - 95215 - (209) 467-1006 - Fax (209) 467-1118

CHAIN OF CUSTODY RECORD

Date 10/20/04 Page 2 of 2

10-117

Client Reed Reinhart

Project Manager: Bob Marty

Phone Number: (209) 467-1006

Samplers: (Signature)

Project Name Oakland Truck Stop

Tests Required

Invoice: AGE ☒ Client ☐

Sample Number	Location Description	Date	Time	Sample Type: Water Comp.	Sample Type: Water Grab.	Sample Type: Air	Solid	No. of Conts.	TPH-G+D	BTEX	5 Fuel Oxys (8260)	Methanol + Ethanol (8015)	1,2 DCA + EDB			Notes
MW10/102004	MW 10	10/20/04	1104		X			4	X	X	X	X	X			
MW12	MW 12		1330		X			4	X	X	X	X	X			
MW13	MW 13		1307		X			4	X	X	X	X	X			
MW14	MW 14		1202		X			4	X	X	X	X	X			

Relinquished by: (Signature) — Received by: (Signature) — Date/Time 102004/1630

Relinquished by: (Signature) — Received by: (Signature) — Date/Time

Relinquished by: (Signature) — Received by Mobile Laboratory for field analysis: (Signature) — Date/Time

S.T.A.T.

Dispatched by: (Signature) — Date/Time — Received for Laboratory by: R. Tahmoush — Date/Time 10-21-04 9:00

Method of Shipment: Cal overnight

Laboratory Name: Cal Tech

Special Instructions: "Need EDF"

I hereby authorize the performance of the above indicated work.

APPENDIX F

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 9548889458
Date/Time of Submittal: 1/31/2005 3:53:52 PM
Facility Global ID: T0600102136
Facility Name: RINO PACIFIC OAKLAND TRUCKSTOP
Submittal Title: 4th Quarter 2004
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

RINO PACIFIC OAKLAND TRUCKSTOP
1107 5TH ST
OAKLAND, CA 94607

Regional Board - Case #: 01-2322
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**
Local Agency (lead agency) - Case #: 922
ALAMEDA COUNTY LOP - **(BC)**

CONF #	TITLE	QUARTER
9548889458	4th Quarter 2004	Q4 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Christopher Miller	1/31/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	11
# FIELD POINTS WITH DETECTIONS	9
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	6
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FAB,M8015
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FAB REQUIRES XYLENES TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	N
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	N

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	n/a

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Rinehart Truckstop Oakland 4th Qtr 2004**
Submittal Date/Time:	**12/21/2004 4:42:27 PM**
Confirmation Number:	**1766813516**

Back to Main Menu

Logged in as AGE-STOCKTON (AUTH_RP) CONTACT SITE ADMINISTRATOR.