R0220

Shell Oil Products US

October 26, 2004

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Shell-branded Service Station**
285 Hegenberger Road
Oakland, California

Dear Ms. Garcia-La Grille:

Attached for your review and comment is a copy of the *Interim Remediation Work Plan* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

20945 S. Wilmington Ave., Carson, CA 90810 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

October 26, 2004

Rosanna Garcia La-Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Interim Remediation Work Plan**
Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749
Cambria Project # 246-0734-007

Dear Ms. La-Grille:

Cambria Environmental Technology, Inc. (Cambria) prepared this work plan for interim remediation on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). Hydrocarbon concentrations in groundwater near monitoring wells MW-1, MW-9, and MW-10 remain elevated. The purpose of the proposed activity is to perform interim remediation in these areas in an effort to reduce these hydrocarbon concentrations in groundwater and progress the site towards closure. All activities proposed will be performed in accordance with Alameda County Health Care Services Agency guidelines.

BACKGROUND

Site Description: This operating Shell-branded service station is located at the Hegenberger Road and Leet Drive intersection in Oakland, California (Figures 1 and 2). The surrounding area is of mixed commercial and industrial use. Oakland International Airport is located approximately 1 mile west of the site. The property was purchased prior to 1960, and the service station was built between 1966 and 1967. Prior to 1966, no buildings existed on site. Aerial photographs prior to 1960 indicate that the area was reclaimed from a wetlands area starting in 1947.

Three underground storage tanks (USTs), two product dispenser islands, a station building, and a car wash are present on site. Eight groundwater monitoring wells are currently located on site, and three groundwater monitoring wells are located in the Hegenberger Road median, to the south of the site. There are also three dual-completion soil-vapor-extraction/air-sparge

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(SVE/AS) wells, and three co-axial SVE/AS wells on site. SVE/AS equipment resides in a cargo container located in the north corner of the site. The SVE/AS system is currently off and will be decommissioned in 2004.

The following sections summarize investigation and remediation activities. However, Cambria's files prior to 1993 are limited. Summaries of site activities prior to 1993 are from the November 5, 1993 *Site Investigation Report* by Pacific Environmental Group, Inc. (PEG) of Pasadena, California.

1989-1990 Site Investigations: Between 1989 and 1990, Converse Environmental West (CEW) supervised the installation of 10 groundwater monitoring wells (MW-1 through MW-10) and 13 soil borings (SB-1 through SB-13). The maximum gasoline concentrations were detected in boring SB-5 at a depth of 2 feet below grade (fbg) at a concentration of 31,000 parts per million (ppm). The boring was located east of the former USTs. The maximum benzene concentration was also detected in this boring at a concentration of 4.7 ppm.

1990 Site Investigation: During August and September 1990, CEW conducted an off-site soil investigation of the adjacent property (295 Hegenberger Road) occupied by Rollins Trucking. A maximum concentration of 4,000 ppm total petroleum hydrocarbons as gasoline (TPHg) was found in soil from boring SG-2 at an approximate depth of 5.5 fbg.

1991 Soil Gas Survey: In July 1991, CEW conducted a soil gas survey along Hegenberger Road to investigate the presence of hydrocarbons in the City of Oakland utility trench. Soil gas concentrations ranged from 32 to 62 ppm TPHg.

1992 Equipment Removal: On February 12, 1992, Gettler-Ryan Inc. of Dublin, California sampled the excavations of the former oil/water separator and the three former hydraulic lifts. Additional excavation was performed in April and May 1992. PEG collected closure samples which contained TPHg and oil and grease concentrations up to 1,800 and 6,800 ppm, respectively.

1993 Site Investigation: On June 8, 9, and 10, 1993, PEG supervised the installation of three groundwater monitoring wells (MW-11 through MW-13) and four dual-completion SVE/AS wells (VEW-2 through VEW-5). The borings for the groundwater monitoring wells were advanced to a depth of 15.5 fbg. The borings for SVE/AS wells were advanced to depths ranging from 8.5 to 10 fbg. Soil samples collected from groundwater monitoring well borings did not contain petroleum hydrocarbons except for the 5.5 fbg sample from MW-11, which contained 0.008 ppm toluene. The maximum TPHg concentration was detected in the 5 fbg sample collected from VEW-3 at a concentration of 1,900 ppm. The maximum benzene concentration was detected at a concentration of 6.4 ppm in the 5 fbg sample collected from well VEW-2. The maximum total petroleum hydrocarbons as diesel (TPHd) concentration was detected in well

VEW-3 at a concentration of 560 ppm. Results were reported in PEG's November 5, 1993 *Site Investigation Report*.

Soil Vapor Extraction (SVE) 1993-1995: SVE began on August 30, 1993 and was discontinued in February 1995 after influent TPHg and benzene concentrations reached asymptotic levels, corresponding to negligible hydrocarbon removal. A February 9, 1995 letter from PEG states that the SVE system was shut down due to low influent concentrations and high groundwater conditions. PEG's June 20, 1995 quarterly report states that the system would remain shut down until the groundwater elevations decreased to approximately 5 to 6 fbg.

1998 UST and Dispenser Upgrade: In July 1998, Paradiso Mechanical, Inc. (Paradiso) of San Leandro, California upgraded UST and dispenser equipment. On July 29, 1998, Cambria collected soil samples from native soil beneath dispenser #1 and dispenser #2 at a depth of approximately 1.5 and 2.5 feet, respectively. Samples were not collected beneath dispenser #3 and dispenser #4 because only rocky fill material was encountered at 3 fbg and not native soil. The highest hydrocarbon concentration was 790 milligrams per kilogram (mg/kg) TPHg in sample D-1. The highest benzene concentration was 2.0 mg/kg in sample D-1. Results were reported in Cambria's October 13, 1998 *Dispenser Soil Sampling Report*.

1999 Site Investigation, Utility Survey, and SVE Test: On March 18, 1999, Cambria supervised the advancing of three soil borings by means of a hand auger and Geoprobe®. Boring SB-1 was advanced to a depth of 11.5 fbg, with the first 9.5 feet advanced using a hand auger. Boring SB-2 was drilled to a total depth of 12.0 fbg. Boring SB-3 was advanced to a total depth of 17.0 fbg. The borings were located between the site and the 54-inch storm drain running along the westbound lanes of Hegenberger Road. The maximum TPHg concentration identified in soil during this investigation was 27.6 ppm in boring SB-3 from a depth of 9.0 fbg. The maximum TPHd concentration in soil of 35.8 ppm was detected in SB-3 at a depth of 10.5 fbg. No benzene or methyl tertiary butyl ether (MTBE) was detected in soil from any of the three borings. The maximum TPHg, TPHd and benzene concentrations identified in groundwater were detected in SB-3 at concentrations of 16,500 parts per billion (ppb), 5,080 ppb and 268 ppb, respectively. No TPHg, benzene, toluene, ethylbenzene, or total xylenes (BTEX) was detected in groundwater at SB-1.

City utility maps indicated that sanitary sewers run beneath the site, while a 54-inch storm drain runs parallel to the southeast property line under the southwest bound lanes of Hegenberger Road (Figure 3). Cambria performed a site reconnaissance which revealed that the 8-inch sanitary sewer running from the open water channel (southwest of the site) did not slope toward the channel as originally thought. Because of this discovery, the boring locations were revised, with the focus shifting to the area between the site and the 54-inch storm drain. No hydrocarbons were detected in backfill soil collected from boring SB-1 near the vault connecting two 8-inch

sanitary sewer lines. Low diesel and MTBE levels were detected in groundwater collected from SB-1. However, it does not appear that this 8-inch sewer pipe serves as a conduit for contaminant transport to the water channel.

Soil boring and groundwater monitoring data suggested that either the storm drain is intercepting and diverting groundwater flow or the plume has stabilized before it reached the downgradient monitoring wells. The mass transport of contaminants of concern within the utility corridors was estimated using a protocol established by the Regional Water Quality Control Board – San Francisco Bay Region for a similar situation at the San Francisco International Airport. The final discharge concentrations for benzene and MTBE were estimated at 23 and 13 ppb, respectively. These estimated concentrations are below the SFIA Order No. 95-136 saltwater ecological protection zone Tier 1 standard of 71 ppb for benzene, and the proposed guideline of 13 ppb for MTBE. The final discharge concentration for TPHg was estimated at 2,680 ppb, which exceeded the SFIA Order No. 95-136 saltwater ecological protection zone Tier 1 standard of 100 ppb for TPHg. However, Cambria anticipated the amount of TPHg that reaches the bay will be significantly less, in consideration of the dilution expected from upstream along the creek and the significant distance (over one mile) to the Bay.

On November 3, 1999, Cambria performed short-term SVE testing of four existing SVE wells for approximately 2 hours each, followed by a long-term test of wells VW-1 and VW-4 for approximately 5 days. Influent TPHg concentrations ranged from 259 to 1,410 parts per million by volume (ppmv). Benzene concentrations ranged from 2.3 to 32.3 ppmv. MTBE concentrations ranged from 26.4 to 44.2 ppmv as reported by EPA Method 8020. Vapor extraction flow rates ranged from 0 to 26 standard cubic feet per minute (scfm) per well based on applied vacuum ranging from 45 to 60 inches of water, resulting in a TPHg removal rate of 0.95 to 2.1 pounds per day (lbs/day) per well. During long-term testing, vapor extraction flow rates ranged from 18.0 to 22.7 scfm (combined extraction from wells VW-1 and VW-4). The TPHg removal rate during the long-term test ranged from 2.13 to 5.95 lbs/day. The total mass of TPHg removed during the test is estimated to be 18.66 pounds. The total mass of MTBE and benzene removed during the test is estimated to be 2.33 pounds and 0.97 pounds respectively.

Results of the above activities were reported in Cambria's May 12, 1999 *Subsurface Investigation and Vapor Extraction Test Report.*

2000 SVE/AS Well Installation: On June 28, 2000, Cambria supervised the installation of three co-axial SVE/AS wells along the southeast side of the site (Figure 2) to facilitate remediation. The 2-inch diameter inner air sparge (AS) casing extends to 15 fbg and is screened between 13 and 15 fbg. A sand filter pack surrounds the AS casing between 12 and 15 fbg, and a bentonite seal surrounds the inner pipe between 10 and 12 fbg. The 4-inch-diameter outer SVE casing extends to 10 fbg and is screened between 3 and 10 fbg. A sand filter pack surrounds the outer

casing between 3 and 10 fbg, and a bentonite seal surrounds the outer pipe between 2 and 3 fbg. The maximum TPHg concentration identified during this investigation was 1,800 ppm in boring VEW-7/AS-3 from a depth of 6.5 fbg. The maximum MTBE concentration of 2.61 ppm was detected in VEW-7/AS-3 at a depth of 6.5 fbg. The maximum benzene concentration of 13.2 ppm was detected in VEW-6/AS-2 at a depth of 5.5 fbg. Results were reported in Cambria's September 12, 2000 *Soil Vapor and Air Sparge Well Installation Report.*

SVE/AS 2002-2003: SVE/AS began on March 25, 2002 and was discontinued on February 14, 2003 after influent TPHg, MTBE, and benzene concentrations reached asymptotic levels corresponding to negligible hydrocarbon removal. Vapor extraction flow rates ranged from 4.7 to 39.4 scfm. The TPHg removal rate ranged from 0.0 to 0.49 lbs/hour. The total mass of TPHg removed is estimated to be 99.26 pounds. The total mass of MTBE and benzene removed is estimated to be 0.18 pounds and 0.48 pounds respectively.

2004 Well Survey: Cambria conducted a well survey in March 2004 at the request of Shell. Review of the California State Department of Water Resources well logs and the California State Water Resources Control Board GeoTracker system identified six wells within ½-mile radius of the site. Figure 1 shows the locations of the identified wells. Three wells were identified as agricultural/irrigation wells. One well was identified as an industrial well. The use of two wells could not be determined and their location could not be field verified.

2004 Fuel System Upgrade and Over-Excavation: Paradiso upgraded fuel dispensers and piping in late June through early July 2004. Paradiso upgraded under-dispenser containment to the dispenser locations adjacent to product, vapor and vent lines. Paradiso removed and replaced all fuel and vent piping from the dispensers to the UST complex. Enhanced vapor recovery equipment on the UST fuel fill port sumps was installed.

On April 22, 2004, nine soil samples (P-1-5' through P-5-5' and D-1-5' through D-4-5') were collected at depths ranging from 4 to 5 fbg. Laboratory analytical results indicated the presence of hydrocarbons in soils in the piping trenches. Therefore, at Shell's direction, on July 6, 2004, Paradiso removed additional soil from the piping trenches, and Cambria collected seven additional soil samples (P-6-6.5' through P-12-6.5') from a depth of approximately 6.5 fbg.

TPHd was detected in all nine of the samples in concentrations ranging from 8 ppm in sample D-1-5' to 1,800 ppm in sample P-1-5'. However, the laboratory noted that the hydrocarbons reported as diesel were in the early diesel range and did not match the laboratory's diesel standard. TPHg was detected in six of the nine samples at concentrations ranging from 120 ppm in sample P-4-5' to 7,200 ppm in sample P-1-5'. Benzene was detected in three of the nine samples at concentrations ranging from 0.51 ppm in sample P-3-5' to 3.3 ppm in sample P-5-5'. MTBE was detected in six of the nine samples at concentrations ranging from 0.0052 ppm in sample D-2-5' to 40 ppm in sample P-4-5'.

TPHd was detected in all seven of the samples in concentrations ranging from 12 ppm in sample P-11-6.5' to 170 ppm in sample P-8-6.5'. Again, the laboratory noted that the hydrocarbons reported as diesel were in the early diesel range and did not match the laboratory's diesel standard. TPHg was detected in six of the seven samples at concentrations ranging from 120 ppm in sample P-10-6.5' to 6,500 ppm in sample P-8-6.5'. Benzene was detected in four of the seven samples at concentrations ranging from 1.0 ppm in sample P-7-6.5' to 3.6 ppm in sample P-6-6.5'. MTBE was detected in six of the seven samples at concentrations ranging from 1.2 ppm in sample P-7-6.5' to 21 ppm in sample P-9-6.5'. Figure 4 shows the soils sample locations.

Groundwater Monitoring 1989 - Present: Groundwater has been monitored on site since February 1989 in wells MW-1, MW-2, and MW-3. Since then, 10 more monitoring wells have been installed and monitored. Maximum historical chemical concentrations in groundwater are 140,000 ppb TPHg in well MW-7 (April 10, 1991), 29,000 ppb benzene in well MW-7 (October 8, 1991), and 32,000 ppb MTBE in well MW-1 (June 8, 1998). In the most recent groundwater monitoring event (August 2, 2004), monitoring well MW-9 contained 12,000 ppb TPHg and 8,200 ppb benzene. Monitoring well MW-10 contained 3,800 ppb MTBE. Attachment A presents historical groundwater monitoring data.

Soil Lithology: The site is located within the East Bay Plain area of Alameda County, approximately 3 miles west of the Hayward Fault. The East Bay Plain area is characterized by Quaternary age Bay Mud composed of unconsolidated plastic clay and silty clay, rich in organic material with some lenses of silt and sand. Beneath the Bay Mud deposits lie unconsolidated younger and older alluvial deposits (Hickenbottom and Muir, 1988). Lithology consists primarily of gravelly sands of high estimated permeability to the approximate depth of 9 to 11 fbg. The sands are underlain by silty clay of low estimated permeability to approximately 14 fbg. A silty sand layer was encountered between 14 and 16 fbg. Attachment B presents all available boring logs.

Hydrogeology: The Older Alluvium is the dominant aquifer in the East Bay Plain area west of the Hayward Fault. Regional groundwater flow is to the west-southwest toward San Francisco Bay. The site elevation is approximately 10 feet above mean sea level. Groundwater in the vicinity is located at depths between 4 and 8 fbg. Based on quarterly groundwater monitoring data, groundwater generally flows toward the southeast. The nearest natural drainage is San Leandro Creek, located approximately 200 feet south of the site.

TECHNICAL RATIONALE FOR PROPOSED SCOPE OF WORK

The primary area of groundwater and soils impacted by petroleum hydrocarbons was immediately southeast of the dispenser islands and USTs. Operation of the SVE/AS system to its cost-effective limit has mostly addressed this area. Hydrocarbon concentrations in wells VEW-5 through VEW-7 remain low relative to concentrations prior to SVE/AS operation. The recent over-excavation activities following the fuel system upgrade work were carried out to their practical limit. The over-excavation work should result in a further reduction of hydrocarbon concentrations in groundwater in this area.

Hydrocarbon concentrations in groundwater on the fringes of this area remain elevated, as indicated by groundwater monitoring data from wells MW-1, MW-9, and MW-10. It does not appear that the remedial extent of the SVE/AS system reached to these wells. The recent over-excavation work may decrease hydrocarbon concentrations in well MW-1, but may not effect concentrations in wells MW-9 and MW-10.

The hydrocarbon mass remaining in soils and groundwater near wells MW-1, MW-9, and MW-10 appears to be small. Rather than expanding and restarting the existing SVE/AS system, Cambria proposes conducting interim dual-phase extraction (DPE) to cost-effectively remediate the residual hydrocarbons in this fringe area. DPE should be more effective since hydrocarbon-impacted saturated soils will be dewatered and exposed to SVE.

Cambria will utilize wells MW-1, MW-9, and MW-10 for DPE. The location and construction details of these wells are deemed sufficient for the proposed work. Installation of new wells for DPE is not considered necessary. With this effort, Cambria hopes to expedite the reduction of petroleum hydrocarbon concentrations in groundwater and progress towards closure.

WORK TASKS FOR INTERIM REMEDIATION

DPE involves applying a vacuum to a well to dewater the formation to a target elevation and extract hydrocarbon-bearing vapors from the dewatered zone. A dedicated extraction "stinger" installed through an airtight well seal allows DPE at target elevations. Cambria plans to continuously extract from well MW-10 for a minimum of 48 hours prior to moving DPE operations to well MW-9. After a minimum of 48 hours of DPE from well MW-9, DPE operations will move to well MW-1. Cambria plans to conduct a minimum of 24 hours of DPE from well MW-1. However, Cambria may alter the duration of DPE on a specific well depending on the data produced. Cambria is planning for a minimum of five days of DPE.

Initially, a vacuum will be applied to dewater the target well. Once the well has been dewatered to the target elevation (approximately 10 fbg), Cambria will incrementally increase the applied vacuum setting to determine the optimal extraction rate (maximum air flow rate). Once determined, Cambria will set DPE operation at the optimal extraction rate.

The following sections detail the tasks and information for the proposed interim remediation:

Site Health and Safety Plan: Cambria will prepare a comprehensive site health and safety plan to protect site workers. The plan will be reviewed and signed by each site worker and kept on site during field activities.

Permitting Notification: The existing SVE/AS system operated under the authorization of a Bay Area Air Quality Control Management District (BAAQMD) permit-to-operate (permit). This permit is still valid. Cambria will request BAAQMD approval to conduct the proposed DPE under the authorization of this permit.

Equipment: Critical components for DPE include an extraction device, water storage, and a vapor treatment device. A Solleco catalytic oxidizer (ECat) will be used to apply a vacuum to the extraction well and to abate extracted vapors. The ECat is an electric device, requiring the use of a generator for powering. The ECat is equipped with a liquid-separator to remove entrained groundwater from the vapor stream. Groundwater will be pumped from the separator to an on-site storage tank through an aboveground hose.

The ECat is equipped with controls to manage well flow, dilution air flow, pump vacuum, and well vacuum data. A Thomas Industries model 907CDC18F vacuum pump will be used to collect the vapor samples. A Horiba organic vapor analyzer will be used to field measure hydrocarbon concentrations in the extracted vapor stream. Magnehelic differential pressure gauges will be used to measure induced vacuum in adjacent wells. A water level meter will be used to measure groundwater drawdown in adjacent wells. A Kent C700 flow totalizing meter will continuously measure extracted groundwater.

The ECat will abate the extracted soil vapors to comply with the BAAQMD requirements. The extracted groundwater will be temporarily stored in an on-site storage tank and subsequently transported to Shell's Martinez Refinery located in Martinez, California for reclamation.

Data Collection: Cambria will periodically measure and record the following DPE operational and monitoring information: applied vacuum, induced vacuum, well flow, dilution air flow, vapor concentrations, extracted groundwater volume, and groundwater drawdown. This information will be initially collected every 15 to 30 minutes, then in longer intervals after operational data has stabilized. Vapor samples will be collected periodically in 1-liter Tedlar bags to confirm field measured concentrations through laboratory analysis. A State-approved

analytical laboratory (Severn Trent Laboratories Inc. of Pleasanton, California) will analyze all samples for TPHg, BTEX, and MTBE using EPA Method 8260.

Report Preparation: Following the completion of DPE activities, Cambria will prepare and submit a written report which will describe the field activities, tabulate the field data, calculate the mass of contaminants removed through DPE, and summarize the results and findings.

SCHEDULE

Cambria has scheduled this work for November 2004. Mobilization will occur on November 15, 2004. Cambria anticipates completion of DPE on November 19, 2004. Off-hauling of the extracted groundwater should occur within one week of completing DPE. The storage tank will be removed from the site shortly thereafter.

CLOSING

The scope of work described in this work plan will be performed under the supervision of a California registered geologist or professional engineer. If you have any questions regarding the scope of work outlined in this work plan, please call Dan Lescure at (510) 420-3306.

Sincerely,

Cambria Environmental Technology, Inc.

Dan Lescure
Senior Project Engineer

Matthew W. Derby, P.E.
Senior Project Engineer

Figures:
1 - Site Vicinity/Well Survey Map
2 - Groundwater Elevation Contour Map
3 - Co-Axial Vapor and Sparge Well and Underground Utilities Map
4 - Fuel-System Upgrade Soil Sample Location Map

Attachments:
A - Historical Groundwater Monitoring Data
B - Available Soil Boring Logs

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
J.T., Elizabeth G., W.T., and Jeanette Watters, Tr., 600 Caldwell Road, Oakland, CA 94611
Doug Herman, Port of Oakland, Division of Environmental Health and Safety, 530 Water Street, Oakland, CA 94607

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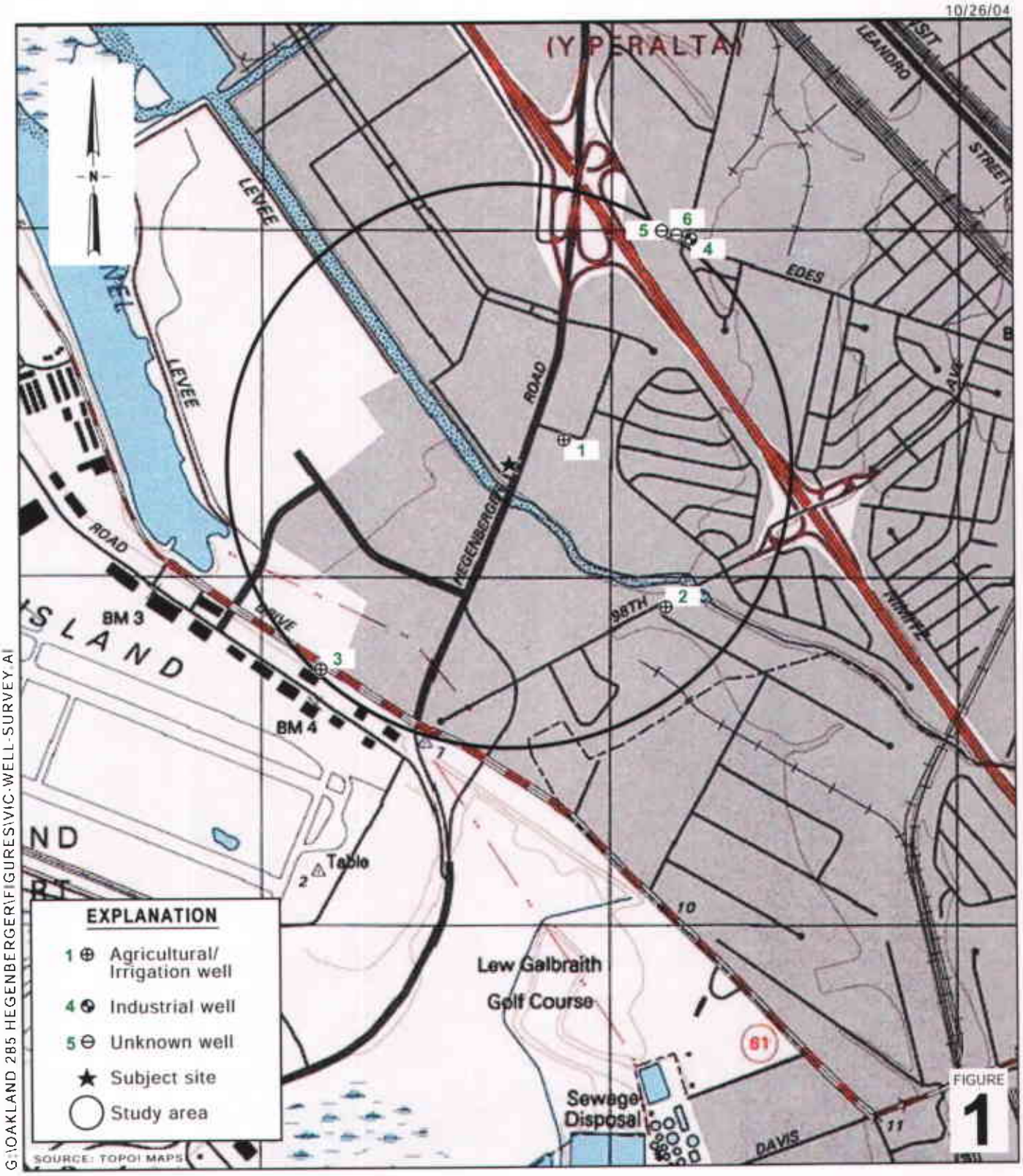

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749

CAMBRIA

Site Vicinity/Well Survey Map
(1/2-Mile Radius)

06/11/04

Groundwater Elevation Contour Map

April 1, 2004

LEET DRIVE

truck storage area

Open Water Channel

bike path

MW-8
6.35
<0.50
<0.50

MW-3
6.29
<0.50
4.2

W/O UST

station building

MW-5

VEW-4

MW-2
6.39
<0.50
1.6

existing remediation container

former USTs

planter

MW-10
5.69
11,000
5,200

VEW-6
6.46*
44
180

AS-2
2.50*
0.87
18

MW-1
6.38*
1,500
630

VEW-5
car wash

MW-6
6.31
<0.50
130

6.00

5.50

(VEW-3)

VEW-2

VEW-1

6.00

MW-4
5.40
<0.50
3.0

VEW-7
6.50*
100
830

AS-3
2.52*
<0.50
2.8

planter

MW-7

sidewalk

MW-9
5.83
6,800
<50

SB-1

SB-2

SB-3

5.50

VEW-5
6.04*
520
55

AS-1
2.37*
0.79
3.2

5.00

5.00

MW-11
NS
<0.50
<0.50

MW-13
4.55
<0.50
<0.50

MW-12
NS
<0.50
<0.50

HEGENBERGER ROAD

parking

sidewalk

EXPLANATION

VEW-5/AS-1	Co-axial vapor and sparge well (6/28/00)
SB-1	Soil boring location
MW-1	Groundwater monitoring well
VEW-1	Soil vapor extraction well
VEW-4	Dual completion air sparging/soil vapor extraction well
VEW-5	Abandoned well
(VEW-3)	Well proposed for abandonment
NS	Not surveyed
*	Data anomalous, not used for contouring
→	Groundwater flow direction
XX.XX	Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260. Date is most recent sampling unless otherwise indicated.

Basemap from Pacific Environmental Group, Inc.

0 20 40
APPROXIMATE SCALE IN FEET

FIGURE
2

CAMBRIA

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749

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08/29/01

0 20 40

APPROXIMATE SCALE IN FEET

EXPLANATION

VEW-5/ AS-3	Co-axial vapor and sparge well. Borings completed June 28, 2000
SB-1	Soil boring location
MW-1	Groundwater monitoring well
VEW-1	Soil vapor extraction well
VEW-4	Dual completion air sparging/soil vapor extraction well
VEW-5	Destroyed well
(VEW-3)	Well proposed for destruction
P-1	Emission point
	Sanitary Sewer Line
	Storm Drain
	Electrical Line
	Gas Line
	Location inferred
	Manhole
	Utility Box

Basemap from Pacific Environmental Group, Inc.

Co-axial Vapor and Sparge Well and Underground Utilities Map

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Truck storage area

Existing Remediation Container

Former underground storage tanks

Waste oil tank

Building

MW-3

MW-5

MW-2

VEW-4

P-1

MW-8

Underground storage tanks

Canopy

VEW-5

Car wash

MW-6

LEET DRIVE

Open Water Channel

Bike Path

Berm

12" SS

MW-10

Planter

8" SS

4" SS

(VEW-3)

MW-1

VEW-1

VEW-7/ AS-3

VEW-6/ AS-2

VEW-5/ AS-1

VEW-2

MW-4

MW-7

MW-9

Planter

Parking

Planter

Sidewalk

SS Pump Station

8" Forced Pressure SS

SB-1

SB-2

SB-3

15" SS

54" SD

SD Outlet

66" SD

MH paved over

42" SS INTERCEPTOR

SS

MW-11

MW-13

MW-12

HEGENBERGER ROAD

48" SD

12" SS

SD

SS

Sidewalk

FIGURE 3

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749

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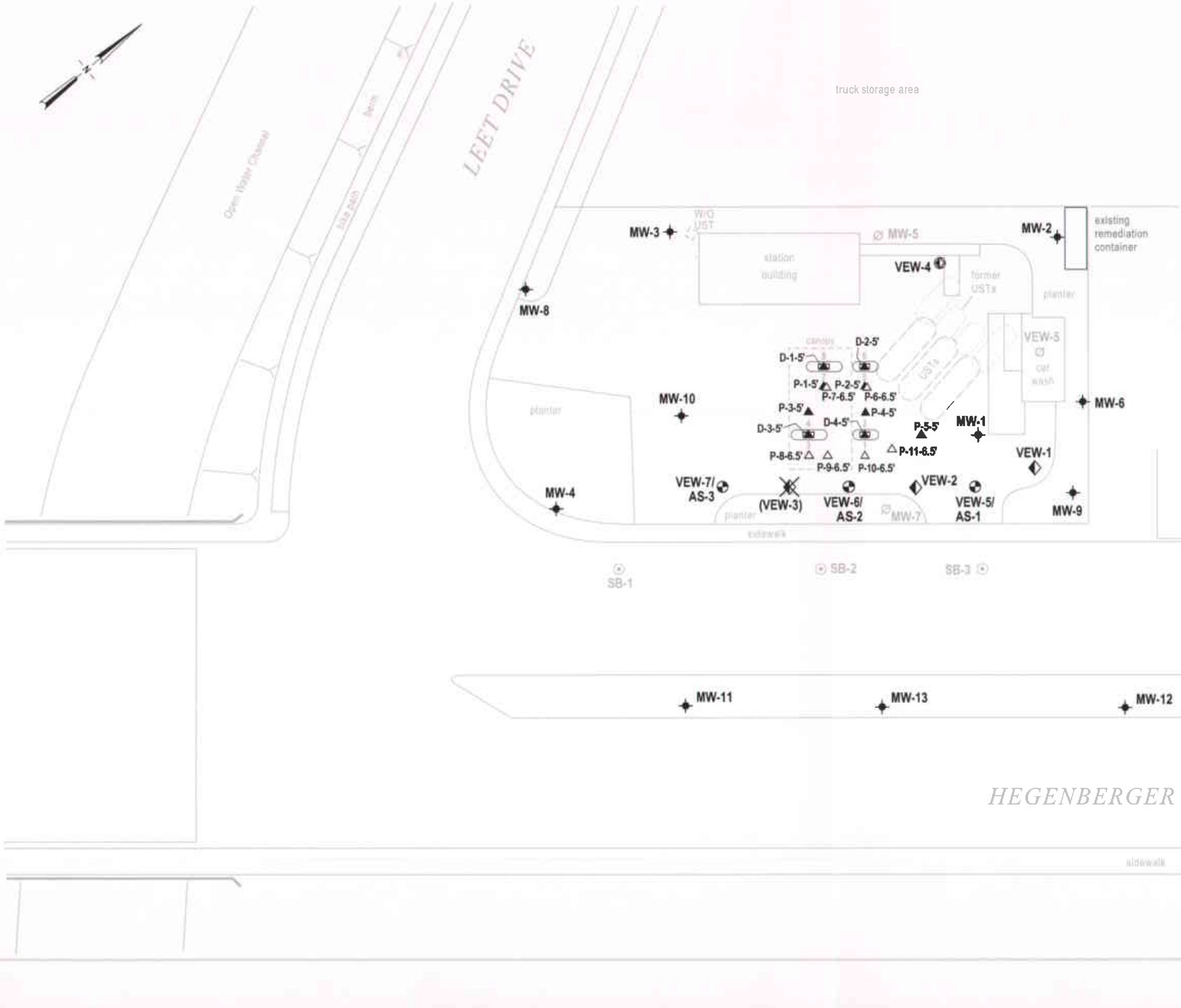
10/26/04

Fuel System Upgrade Soil Sample Location Map

EXPLANATION

P-6-6.5' △	Soil sample location (07/06/04)
D-1-5' ▲	Soil sample location (06/29/04)
VEW-5/AS-1	Co-axial vapor and sparge well (6/28/00)
SB-1	Soil boring location
MW-1	Groundwater monitoring well
VEW-1	Soil vapor extraction well
VEW-4	Dual completion air sparging/soil vapor extraction well
VEW-5	Abandoned well
(VEW-3)	Well proposed for abandonment

Basemap from Pacific Environmental Group, Inc.



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APPROXIMATE SCALE IN FEET

FIGURE **4**

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749

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ATTACHMENT A

Historical Groundwater Monitoring Data

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	02/16/1989	99,000	NA	NA	20,000	23,000	5,700	2,300	NA	NA	NA	NA	NA	NA	6.64	3.83	2.81	NA
MW-1	05/23/1989	48,000	11,000	NA	4,200	5,200	1,200	7,700	NA	NA	NA	NA	NA	NA	6.64	3.59	3.05	NA
MW-1	08/03/1989	63,000	11,000	NA	5,500	5,500	3,200	9,500	NA	NA	NA	NA	NA	NA	6.64	4.04	2.60	NA
MW-1	12/15/1989	30,000	11,000	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	6.64	4.22	2.42	NA
MW-1	02/07/1990	93,000	10,000	NA	13,000	9,600	2,400	14,000	NA	NA	NA	NA	NA	NA	6.64	4.60	2.04	NA
MW-1	04/18/1990	55,000	8,700	NA	14,000	8,400	3,200	13,000	NA	NA	NA	NA	NA	NA	6.64	4.02	2.62	NA
MW-1	07/23/1990	73,000	3,600	NA	16,000	7,400	2,800	15,000	NA	NA	NA	NA	NA	NA	6.64	4.17	2.47	NA
MW-1	09/27/1990	45,000	1,700	NA	8,000	4,300	2,000	11,000	NA	NA	NA	NA	NA	NA	6.64	4.60	2.04	NA
MW-1	01/03/1991	43,000	3,100	NA	10,000	3,400	1,900	11,000	NA	NA	NA	NA	NA	NA	6.64	4.88	1.76	NA
MW-1	04/10/1991	67,000	1,800	NA	20,000	9,600	3,500	16,000	NA	NA	NA	NA	NA	NA	6.64	3.55	3.09	NA
MW-1	07/12/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.64	3.97	2.67	NA
MW-1	10/08/1991	55,000	7,400	NA	18,000	3,500	2,300	8,600	NA	NA	NA	NA	NA	NA	6.64	4.26	2.38	NA
MW-1	02/06/1992	48,000	15,000 a	NA	12,000	2,800	1,900	7,400	NA	NA	NA	NA	NA	NA	6.64	4.94	1.70	NA
MW-1	05/04/1992	71,000	10,000 a	NA	16,000	6,000	3,100	14,000	NA	NA	NA	NA	NA	NA	6.64	3.58	3.06	NA
MW-1	07/28/1992	68,000	18,000 a	NA	21,000	5,500	3,400	15,000	NA	NA	NA	NA	NA	NA	6.64	3.91	2.73	NA
MW-1 (D)	07/28/1992	70,000	19,000 a	NA	17,000	5,000	2,700	13,000	NA	NA	NA	NA	NA	NA	6.64	3.91	2.73	NA
MW-1	10/27/1992	53,000	1,300	NA	18,000	3,700	3,400	11,000	NA	NA	NA	NA	NA	NA	6.64	4.79	1.85	NA
MW-1 (D)	10/27/1992	48,000	2,500 a	NA	17,000	3,600	3,100	9,900	NA	NA	NA	NA	NA	NA	6.64	4.79	1.85	NA
MW-1	01/14/1993	84,000	2,200 a	NA	17,000	5,400	3,000	13,000	NA	NA	NA	NA	NA	NA	6.64	3.39	3.25	NA
MW-1	04/23/1993	100,000	2,300 a	NA	18,000	7,800	4,700	20,000	NA	NA	NA	NA	NA	NA	6.64	2.67	3.97	NA
MW-1	07/20/1993	41a	3,100 a	NA	12,000	870	1,500	4,400	NA	NA	NA	NA	NA	NA	9.50	3.48	6.02	NA
MW-1	10/18/1993	33,000	8,100 a	NA	14,000	1,200	2,000	4,900	NA	NA	NA	NA	NA	NA	9.50	4.20	5.30	NA
MW-1 (D)	10/18/1993	44,000	3,700 a	NA	14,000	1,200	2,000	4,900	NA	NA	NA	NA	NA	NA	9.50	4.20	5.30	NA
MW-1	01/06/1994	71,000	9,000 a	NA	9,000	870	1,600	5,100	NA	NA	NA	NA	NA	NA	9.50	4.13	5.37	NA
MW-1	04/12/1994	42,000	5,900	NA	6,600	170	2,300	4,700	NA	NA	NA	NA	NA	NA	9.50	2.42	7.08	NA
MW-1 (D)	04/12/1994	40,000	4,700	NA	6,300	180	2,000	4,400	NA	NA	NA	NA	NA	NA	9.50	2.42	7.08	NA
MW-1	07/25/1994	13,000	7,000 a	NA	4,400	110	460	1,400	NA	NA	NA	NA	NA	NA	9.50	3.37	6.13	NA
MW-1	10/25/1994	19,000	3,900	NA	5,500	210	880	2,000	NA	NA	NA	NA	NA	NA	9.50	4.07	5.43	NA
MW-1	01/09/1995	37,000	8,600 a	NA	6,700	800	2,800	8,900	NA	NA	NA	NA	NA	NA	9.50	2.65	6.85	NA
MW-1	04/11/1995	26,000	5,500	NA	4,700	270	1,800	3,400	NA	NA	NA	NA	NA	NA	9.50	2.38	7.12	NA
MW-1	07/18/1995	57,000	7,000	NA	7,500	880	4,100	11,000	NA	NA	NA	NA	NA	NA	9.50	3.49	6.01	NA

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Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (D)	07/19/1995	46,000	6,600	NA	6,000	670	3,200	7,500	NA	NA	NA	NA	NA	NA	9.50	3.49	6.01	NA
MW-1	10/18/1995b	37,000	3,200	NA	5,400	450	2,600	7,400	10,000	NA	NA	NA	NA	NA	9.50	NA	NA	NA
MW-1	01/09/1996	32,000	NA	NA	3,000	240	1,900	3,500	6,100	NA	NA	NA	NA	NA	9.50	2.95	6.55	NA
MW-1	04/02/1996	30,000	NA	NA	3,100	260	2.0	3,900	8.0	NA	NA	NA	NA	NA	9.50	2.00	7.50	NA
MW-1	10/03/1996	18,000	2,800	NA	3,000	120	1,200	1,700	7,500	NA	NA	NA	NA	NA	9.50	3.21	6.29	2.2
MW-1	04/03/1997	29,000	3,000	NA	2,300	170	2,300	2,900	4,300	NA	NA	NA	NA	NA	9.50	2.84	6.66	2.2
MW-1	10/08/1997	22,000	3,600	NA	920	71	2,400	2,200	820	NA	NA	NA	NA	NA	9.50	2.58	6.92	1.5
MW-1	06/10/1998	13,000	2,900	NA	860	<100	1,300	500	29,000	32,000	NA	NA	NA	NA	9.50	2.67	6.83	0.5/0.5
MW-1 (D)	06/10/1998	9,400	2,100	NA	870	<50	1,300	520	28,000	NA	NA	NA	NA	NA	9.50	2.67	6.83	0.5/0.5
MW-1	12/30/1998	6,930	1,540	NA	714	52.7	243	<25.0	9,000	NA	NA	NA	NA	NA	9.50	4.68	4.82	1.6/1.4
MW-1 *	06/25/1999	12,600	NA	NA	1,110	44.7	1,340	710	6,080	NA	NA	NA	NA	NA	9.50	2.86	6.64	1.2/2.1
MW-1	12/28/1999	3,260	1,170	NA	527	14.0	50.7	40.3	5,430	7,060b	NA	NA	NA	NA	9.50	3.23	6.27	1.4/1.8
MW-1	05/31/2000	6,820	2,050	NA	1,620	<50.0	116	<50.0	6,070	4,710	NA	NA	NA	NA	9.50	2.39	7.11	0.98/2.27
MW-1	10/17/2000	2,530	995 a	NA	388	<10.0	16.4	22.1	917	NA	NA	NA	NA	NA	9.50	2.05	7.45	4.0/3.1
MW-1	05/01/2001	12,300	1,510	NA	1,480	19.5	205	111	4,160	NA	NA	NA	NA	NA	9.50	3.55	5.95	1.6/1.3
MW-1	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.85 e	4.43	5.42	0.4
MW-1	11/07/2001	3,000	<1,000	NA	290	6.0	11	15	NA	870	NA	NA	NA	NA	9.85	4.00	5.85	2.1/1.4
MW-1	05/01/2002	11,000	<2,000	NA	2,100	29	180	68	NA	1,500	NA	NA	NA	NA	9.85	3.14	6.71	3.4/2.3
MW-1	07/16/2002	7,400	<1,500	NA	1,200	22	37	24	NA	1,900	NA	NA	NA	NA	9.85	3.69	6.16	0.9/0.8
MW-1	10/17/2002	4,600	<2,000	NA	810	16	68	31	NA	1,600	NA	NA	NA	NA	9.44	4.76	4.68	0.8/1.2
MW-1	01/21/2003	11,000	<7,000	NA	1,100	28	210	53	NA	1,100	NA	NA	NA	NA	9.44	3.50	5.94	0.3/0.7
MW-1	05/01/2003	13,000	4,900 a	NA	1,500	33	260	68	NA	1,700	NA	NA	NA	NA	9.44	3.04	6.40	NA
MW-1	07/17/2003	10,000	3,200 a,f	NA	2,400	<50	250	<100	NA	3,100	NA	NA	NA	NA	9.44	3.92	5.52	NA
MW-1	10/02/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.44	NA	NA	NA
MW-1	10/16/2003	8,500	3,700 a	NA	1,100	26	140	41	NA	1,700	NA	NA	NA	NA	9.44	4.65	4.79	NA
MW-1	01/05/2004	11,000	4,300 a	NA	1,600	29	200	45	NA	1,400	NA	NA	NA	NA	9.44	2.39	7.05	NA
MW-1	04/01/2004	10,000	3,700 a	NA	1,500	28	330	59	NA	630	NA	NA	NA	NA	9.44	3.06	6.38	NA
MW-1	**08/02/2004**	**9,100**	**4,600 a**	**<1,000**	**1,700**	**17**	**200**	**24**	**NA**	**1,700**	**<40**	**<40**	**<40**	**2,900**	**9.44**	**4.50**	**4.94**	**NA**
MW-2	02/16/1989	20,000	NA	NA	200	900	2,700	9,600	NA	NA	NA	NA	NA	NA	7.68	5.33	2.35	NA
MW-2	05/23/1989	1,500	1,600	NA	4.3	2.9	11	150	NA	NA	NA	NA	NA	NA	7.68	5.23	2.45	NA

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MW-2	08/03/1989	15,000	7,400	NA	75	120	850	2,200	NA	NA	NA	NA	NA	NA	7.68	6.03	1.65	NA
MW-2	12/15/1989	5,000	2,600	NA	52	13	4.1	290	NA	NA	NA	NA	NA	NA	7.68	6.43	1.25	NA
MW-2	02/07/1990	13,000	4,800	NA	32	34	230	640	NA	NA	NA	NA	NA	NA	7.68	5.82	1.86	NA
MW-2	04/18/1990	9,800	3,200	NA	33	19	460	1,700	NA	NA	NA	NA	NA	NA	7.68	5.88	1.80	NA
MW-2	07/23/1990	9,600	2,700	NA	41	27	540	940	NA	NA	NA	NA	NA	NA	7.68	6.05	1.63	NA
MW-2	10/01/1990	390	1,600	NA	3.4	15	8.5	25	NA	NA	NA	NA	NA	NA	7.68	NA	NA	NA
MW-2	01/03/1991	1,800	830	NA	56	4.4	4.8	92	NA	NA	NA	NA	NA	NA	7.68	6.82	0.86	NA
MW-2	04/10/1991	1,900	280	NA	ND	28	140	490	NA	NA	NA	NA	NA	NA	7.68	4.80	2.88	NA
MW-2	07/12/1991	8,100	1,100	NA	89	66	350	930	NA	NA	NA	NA	NA	NA	7.68	5.70	1.98	NA
MW-2	10/08/1991	1,400	2,600	NA	5.1	1.5	36	270	NA	NA	NA	NA	NA	NA	7.68	6.40	1.28	NA
MW-2	02/06/1992	2,000	5,400 a	NA	7.8	2.5	130	210	NA	NA	NA	NA	NA	NA	7.68	6.40	1.28	NA
MW-2	05/04/1992	21	1,000	NA	ND	ND	300	960	NA	NA	NA	NA	NA	NA	7.68	4.68	3.00	NA
MW-2	07/28/1992	2,100	830 a	NA	7.7	3.3	130	310	NA	NA	NA	NA	NA	NA	7.68	5.86	1.82	NA
MW-2	10/27/1992	1,100	530	NA	16	3.1	4.5	25	NA	NA	NA	NA	NA	NA	7.68	6.96	0.72	NA
MW-2	01/14/1993	290	170 a	NA	5.2	3.1	8.4	21	NA	NA	NA	NA	NA	NA	7.68	4.12	3.56	NA
MW-2	04/23/1993	2,400	1,200 a	NA	ND	ND	210	610	NA	NA	NA	NA	NA	NA	7.68	3.84	3.84	NA
MW-2	07/20/1993	440	130	NA	1.7	1.7	15	38	NA	NA	NA	NA	NA	NA	10.55	5.17	5.38	NA
MW-2	10/18/1993	2,100	1,600 a	NA	ND	ND	90	110	NA	NA	NA	NA	NA	NA	10.55	6.20	4.35	NA
MW-2	01/06/1994	1.9a	130	NA	ND	6.7	7.1	12	NA	NA	NA	NA	NA	NA	10.55	5.39	5.16	NA
MW-2	04/12/1994	120	130	NA	ND	ND	3.4	4.3	NA	NA	NA	NA	NA	NA	10.55	4.72	5.83	NA
MW-2	07/25/1994	0.18a	280 a	NA	5.3	ND	6.2	8.2	NA	NA	NA	NA	NA	NA	10.55	5.44	5.11	NA
MW-2	10/25/1994	170	400	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.55	6.73	3.82	NA
MW-2	01/09/1995	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.55	4.34	6.21	NA
MW-2	04/11/1995	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.55	3.72	6.83	NA
MW-2	07/18/1995	250	160	NA	2.8	0.5	12	13	NA	NA	NA	NA	NA	NA	10.55	4.91	5.64	NA
MW-2	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.55	5.88	4.67	NA
MW-2	01/09/1996	790	130	NA	5.1	1.5	2.4	4.6	1,400	NA	NA	NA	NA	NA	10.55	4.75	5.80	NA
MW-2	04/02/1996	260	NA	NA	<2	<2	13	6.9	540	NA	NA	NA	NA	NA	10.55	3.25	7.30	NA
MW-2	10/03/1996	<2,000	620	NA	<20	<20	<20	<20	13,000	NA	NA	NA	NA	NA	10.55	5.27	5.28	2.3
MW-2	04/03/1997	<1,000	190	NA	<10	<10	<10	<10	2,800	NA	NA	NA	NA	NA	10.55	3.99	6.56	2.2
MW-2	10/08/1997	<5,000	1,100	NA	<50	<50	<50	<50	d	NA	NA	NA	NA	NA	10.55	5.03	5.52	1.6

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Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	06/10/1998	120	310	NA	1.7	<1.0	<1.0	<1.0	3,800	NA	NA	NA	NA	NA	10.55	4.11	6.44	0.7/0.6
MW-2	12/30/1998	<5,000	1,050	NA	<50.0	<50.0	<50.0	<50.0	12,100	15,300	NA	NA	NA	NA	10.55	4.76	5.79	1.3/1.2
MW-2 *	06/25/1999	<1,000	NA	NA	<10.0	<10.0	<10.0	<10.0	7,570	NA	NA	NA	NA	NA	10.55	4.63	5.92	2.3/2.5
MW-2	12/28/1999	228	446	NA	4.54	<0.500	<0.500	<0.500	4,260	NA	NA	NA	NA	NA	10.55	4.95	5.60	2.1/2.4
MW-2	05/31/2000	597	187	NA	19.3	<0.500	0.860	<0.500	2,480	NA	NA	NA	NA	NA	10.55	4.06	6.49	1.8/2.7
MW-2	10/17/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.55	NA	NA	NA
MW-2	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.55	NA	NA	NA
MW-2	11/05/2001	<500	610	NA	<5.0	<5.0	<5.0	<5.0	NA	1,800	NA	NA	NA	NA	10.55	6.12	4.43	0.6/1.1
MW-2	05/01/2002	440	<50	NA	<2.5	<2.5	<2.5	<2.5	NA	1,300	NA	NA	NA	NA	10.55	3.85	6.70	6.2/0.9
MW-2	07/16/2002	<500	250	NA	<5.0	<5.0	<5.0	<5.0	NA	2,100	NA	NA	NA	NA	10.55	4.56	5.99	0.9/1.3
MW-2	10/17/2002	280	240	NA	<1.0	<1.0	<1.0	<1.0	NA	270	NA	NA	NA	NA	10.10	5.90	4.20	0.6/2.2
MW-2	01/21/2003	160	72	NA	<0.50	<0.50	<0.50	<0.50	NA	380	NA	NA	NA	NA	10.10	4.11	5.99	0.5/1.0
MW-2	05/01/2003	350	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	NA	NA	NA	NA	10.10	4.18	5.92	NA
MW-2	07/17/2003	120	61 a,f	NA	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	NA	10.10	4.72	5.38	NA
MW-2	10/02/2003	190	200 a	NA	1.6	<0.50	<0.50	<1.0	NA	17	NA	NA	NA	NA	10.10	5.76	4.34	NA
MW-2	01/05/2004	77	<50	NA	<0.50	0.86	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	10.10	3.28	6.82	NA
MW-2	04/01/2004	450 a	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.6	NA	NA	NA	NA	10.10	3.71	6.39	NA
MW-2	**08/02/2004**	**110**	**13 a**	**<500**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**3.9**	**<2.0**	**<2.0**	**<2.0**	**150**	**10.10**	**5.50**	**4.60**	**NA**
MW-3	02/16/1989	60,000	NA	NA	5,500	ND	3,200	5,200	NA	NA	NA	NA	NA	NA	7.81	5.17	2.64	NA
MW-3	05/23/1989	ND	1,500	NA	ND	200	ND	ND	NA	NA	NA	NA	NA	NA	7.81	5.09	2.72	NA
MW-3	08/03/1989	2,000	1,200	NA	120	ND	ND	86	NA	NA	NA	NA	NA	NA	7.81	5.34	2.47	NA
MW-3	12/15/1989	5,200	1,700	NA	380	12	17	410	NA	NA	NA	NA	NA	NA	7.81	6.02	1.79	NA
MW-3	02/07/1990	260	230	NA	17	47	5.4	2.5	NA	NA	NA	NA	NA	NA	7.81	4.95	2.86	NA
MW-3	04/18/1990	260	ND	NA	ND	ND	ND	9.4	NA	NA	NA	NA	NA	NA	7.81	5.55	2.26	NA
MW-3	07/23/1990	510	210	NA	46	ND	ND	9.3	NA	NA	NA	NA	NA	NA	7.81	5.81	2.00	NA
MW-3	09/27/1990	460	350	NA	6.3	1.2	ND	15	NA	NA	NA	NA	NA	NA	7.81	6.86	0.95	NA
MW-3	01/03/1991	4,800	630	NA	920	1.7	ND	190	NA	NA	NA	NA	NA	NA	7.81	6.84	0.97	NA
MW-3	04/10/1991	120	60	NA	1.2	8.8	3.5	21	NA	NA	NA	NA	NA	NA	7.81	4.93	2.88	NA
MW-3	07/12/1991	430	ND	NA	12	0.8	ND	7.7	NA	NA	NA	NA	NA	NA	7.81	5.56	2.25	NA
MW-3	10/08/1991	770	560	NA	140	ND	ND	53	NA	NA	NA	NA	NA	NA	7.81	6.62	1.19	NA

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Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	02/06/1992	500	340 a	NA	74	0.7	5.2	5.3	NA	NA	NA	NA	NA	NA	7.81	6.28	1.53	NA
MW-3	05/04/1992	310	290 a	NA	47	0.9	17	16	NA	NA	NA	NA	NA	NA	7.81	4.65	3.16	NA
MW-3	07/28/1992	780	100 a	NA	130	ND	13	4.2	NA	NA	NA	NA	NA	NA	7.81	5.56	2.25	NA
MW-3	10/27/1992	740	69a	NA	92	ND	7.8	9.6	NA	NA	NA	NA	NA	NA	7.81	6.65	1.16	NA
MW-3	01/14/1993	ND	ND	NA	2.4	2.8	ND	ND	NA	NA	NA	NA	NA	NA	7.81	3.88	3.93	NA
MW-3	04/23/1993b	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.81	NA	NA	NA
MW-3	07/20/1993b	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	NA	NA	NA
MW-3	10/18/1993b	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	NA	NA	NA
MW-3	01/06/1994	130	64	NA	1.7	ND	ND	0.93	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.54	NA	NA
MW-3	04/12/1994	ND	75	NA	0.82	ND	ND	0.7	NA	NA	NA	NA	NA	NA	11.25 (TOB)	4.82	NA	NA
MW-3	07/25/1994	0.06a	ND	NA	2.8	ND	ND	0.7	NA	NA	NA	NA	NA	NA	11.25 (TOB)	6.03 (TOB)	5.22	NA
MW-3	10/25/1994	70	100	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	11.25 (TOB)	6.48	NA	NA
MW-3	01/09/1995	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	11.25 (TOB)	4.86 (TOB)	6.39	NA
MW-3	04/11/1995	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	11.25 (TOB)	4.22 (TOB)	7.03	NA
MW-3	07/18/1995	ND	90	NA	2.8	ND	ND	ND	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.44 (TOB)	5.81	NA
MW-3	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.72	NA	NA
MW-3	01/09/1996	90	90	NA	1.7	ND	<0.5	<0.5	61	NA	NA	NA	NA	NA	11.25 (TOB)	4.96	NA	NA
MW-3	04/02/1996	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	24	NA	NA	NA	NA	NA	11.25 (TOB)	3.43	NA	NA
MW-3	10/03/1996	<500	180	NA	<5	<5	<5	<5	1,200	NA	NA	NA	NA	NA	11.25 (TOB)	5.39	NA	2.4
MW-3	04/03/1997	150	83	NA	3.2	<0.50	<0.50	0.81	280	NA	NA	NA	NA	NA	11.25 (TOB)	4.20	NA	2.0
MW-3	10/08/1997	180	120	NA	7.3	0.68	0.54	3.9	1,700	NA	NA	NA	NA	NA	11.25 (TOB)	5.51(TOB)	5.74	2.1
MW-3	06/10/1998	130	120	NA	12	0.85	<0.50	2.1	600	NA	NA	NA	NA	NA	11.25 (TOB)	3.91(TOB)	7.34	0.8/0.9
MW-3	12/30/1998	<250	108	NA	<2.50	<2.50	<2.50	<2.50	1,010	NA	NA	NA	NA	NA	11.25 (TOB)	5.76 (TOB)	5.49	1.3/1.4
MW-3 *	06/25/1999	269	NA	NA	4.24	<2.50	<2.50	<2.50	1,180	NA	NA	NA	NA	NA	11.25 (TOB)	4.73	NA	1.4/1.9
MW-3	12/28/1999	333	122	NA	41.4	6.48	6.57	21.3	2,680	NA	NA	NA	NA	NA	11.25 (TOB)	5.75 (TOB)	5.50	1.3/1.5
MW-3	05/31/2000	1,180	89.2	NA	19.1	1.92	3.26	<1.00	2,130	NA	NA	NA	NA	NA	11.25 (TOB)	4.96 (TOB)	6.29	1.2/2.2
MW-3	10/17/2000	156	183 a	NA	5.22	0.819	<0.500	1.53	2,250	NA	NA	NA	NA	NA	11.25 (TOB)	5.70 (TOB)	5.55	2.0/2.1
MW-3	05/01/2001	286	95.9	NA	<2.50	<2.50	<2.50	<2.50	1,470	NA	NA	NA	NA	NA	11.25 (TOB)	4.88 (TOB)	6.37	1.9/2.7
MW-3	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.25 (TOB)	6.00	3.0/1.9
MW-3	11/05/2001	<500	<50	NA	<5.0	<5.0	<5.0	<5.0	NA	2,100	NA	NA	NA	NA	11.25 (TOB)	6.25 (TOB)	5.00	0.5/1.9
MW-3	05/01/2002	<100	80	NA	<1.0	<1.0	<1.0	<1.0	NA	430	NA	NA	NA	NA	11.25 (TOB)	4.77 (TOB)	6.48	4.1/0.7

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MW-3	07/16/2002	410	340	NA	12	2.0	<2.0	3.5	NA	530	NA	NA	NA	NA	11.25 (TOB)	5.44 (TOB)	5.81	0.3/1.7
MW-3	10/17/2002	220	82	NA	2.5	<2.0	<2.0	2.3	NA	25	NA	NA	NA	NA	10.58	6.03	4.55	0.8/2.4
MW-3	01/21/2003	<50	150	NA	<0.50	<0.50	<0.50	<0.50	NA	28	NA	NA	NA	NA	10.58	4.30	6.28	1.2/1.0
MW-3	05/01/2003	60	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	10.58	4.30	6.28	NA
MW-3	07/17/2003	120	<50	NA	1.2	<0.50	<0.50	<1.0	NA	11	NA	NA	NA	NA	10.58	5.36	5.22	NA
MW-3	10/02/2003	160	56 a	NA	3.1	1.1	<0.50	2.1	NA	8.2	NA	NA	NA	NA	10.58	6.00	4.58	NA
MW-3	01/05/2004	54	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	15	NA	NA	NA	NA	10.58	4.44	6.14	NA
MW-3	04/01/2004	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	4.2	NA	NA	NA	NA	10.58	4.29	6.29	NA
MW-3	**08/02/2004**	**300**	**<50**	**<500**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**17**	**<10**	**<10**	**<10**	**1,900**	**10.58**	**5.80**	**4.78**	**NA**
MW-4	05/23/1989	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	5.60	1.78	NA
MW-4	08/03/1989	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	6.37	1.01	NA
MW-4	12/15/1989	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	6.91	0.47	NA
MW-4	03/08/1990	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	6.06	1.32	NA
MW-4	04/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	5.84	1.54	NA
MW-4	07/23/1990	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	6.92	0.46	NA
MW-4	09/27/1991	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	8.03	0.65	NA
MW-4	01/03/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.38	7.54	-0.16	NA
MW-4	04/10/1991	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	5.06	2.32	NA
MW-4	07/12/1991	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	6.86	0.52	NA
MW-4	10/08/1991	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	7.44	-0.06	NA
MW-4	02/06/1992	120	2,500 a	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	7.29	0.09	NA
MW-4	05/04/1992	ND	53	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	5.33	2.05	NA
MW-4	07/28/1992	ND	60	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	6.95	0.43	NA
MW-4	10/27/1992	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	7.65	-0.27	NA
MW-4	01/14/1993	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	4.84	2.54	NA
MW-4	04/23/1993	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.38	4.84	2.54	NA
MW-4	07/20/1993	ND	ND	NA	2.2	ND	1.1	7.7	NA	NA	NA	NA	NA	NA	10.28	6.47	3.81	NA
MW-4	10/18/1993	ND	ND	NA	ND	1.2	ND	ND	NA	NA	NA	NA	NA	NA	10.28	7.35	2.93	NA
MW-4	01/06/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.28	7.64	2.64	NA
MW-4	04/12/1994	ND	76	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.28	6.39	3.89	NA

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MW-4	07/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.28	7.00	3.28	NA
MW-4	10/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.28	7.53	2.75	NA
MW-4	01/09/1995	ND	70 a	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.28	4.90	5.38	NA
MW-4	04/11/1995	ND	140	NA	1.5	ND	0.6	3.4	NA	NA	NA	NA	NA	NA	10.28	5.04	5.24	NA
MW-4	07/18/1995	ND	160	NA	13	3.4	ND	ND	NA	NA	NA	NA	NA	NA	10.28	6.18	4.10	NA
MW-4	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.28	6.63	3.65	NA
MW-4	01/09/1996	<50	ND	NA	<0.5	ND	<0.5	<0.5	ND	NA	NA	NA	NA	NA	10.28	3.82	6.46	NA
MW-4	04/02/1996	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.28	3.97	6.31	NA
MW-4	10/03/1996	<50	81	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.28	3.74	6.54	NA
MW-4	04/03/1997	<50	69	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	10.28	3.74	6.54	1.8
MW-4	10/08/1997	<50	75	NA	<0.50	<0.50	<0.50	<0.50	13	NA	NA	NA	NA	NA	10.28	4.89	5.39	2.0
MW-4 (D)	10/08/1997	<50	NA	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	10.28	4.89	5.39	2.0
MW-4	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.39	5.89	NA
MW-4	12/30/1998	<50.0	94.1	NA	<0.500	<0.500	<0.500	0.580	7.33	NA	NA	NA	NA	NA	10.28	5.58	4.70	1.7/1.6
MW-4	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.17	6.11	NA
MW-4	12/28/1999	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	10.28	4.54	5.74	1.4/1.5
MW-4	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.28	3.85	6.43	NA
MW-4	10/17/2000	<50.0	274a	NA	<0.500	<0.500	<0.500	<0.500	9.40	NA	NA	NA	NA	NA	10.28	3.50	6.78	3.8/4.0
MW-4	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.10	6.18	NA
MW-4	11/05/2001	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	8.4	NA	NA	NA	NA	10.28	5.21	5.07	1.3/1.5
MW-4	05/01/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.28	4.28	6.00	2.6/1.1
MW-4	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.28	3.87	6.41	NA
MW-4	10/17/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	9.83	4.66	5.17	1.4/2.4
MW-4	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.83	3.87	5.96	NA
MW-4	05/01/2003	<50	57 a	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	9.83	4.49	5.34	NA
MW-4	07/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.83	5.46	4.37	NA
MW-4	10/02/2003	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	5.9	NA	NA	NA	NA	9.83	5.51	4.32	NA
MW-4	01/05/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.83	3.83	6.00	NA
MW-4	04/01/2004	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	3.0	NA	NA	NA	NA	9.83	4.43	5.40	NA
MW-4	**08/02/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.83**	**5.05**	**4.78**	**NA**

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MW-5	05/23/1989	26,000	7,000	NA	1,500	280	ND	8,100	NA	NA	NA	NA	NA	NA	8.18	5.47	2.71	NA
MW-5	08/03/1989	12,000	8,700	NA	860	94	ND	2,600	NA	NA	NA	NA	NA	NA	8.18	5.94	2.24	NA
MW-5	12/15/1989	1,000	710	NA	22	35	18	44	NA	NA	NA	NA	NA	NA	8.18	6.75	1.43	NA
MW-5	02/07/1990	ND	620	NA	0.8	ND	ND	ND	NA	NA	NA	NA	NA	NA	8.18	6.03	2.15	NA
MW-5	04/18/1990	19,000	5,000	NA	4,500	850	97	8,000	NA	NA	NA	NA	NA	NA	8.18	5.80	2.38	NA
MW-5	07/23/1990	23,000	2,700	NA	3,600	400	160	6,500	NA	NA	NA	NA	NA	NA	8.18	6.00	2.18	NA
MW-5	09/23/1990	5,400	550	NA	1,400	26	13	1,300	NA	NA	NA	NA	NA	NA	8.18	7.18	1.00	NA
MW-5	01/03/1991	860	560	NA	280	2.8	0.8	45	NA	NA	NA	NA	NA	NA	8.18	7.17	1.01	NA
MW-5	04/10/1991	12,000	1,800	NA	710	130	500	2,400	NA	NA	NA	NA	NA	NA	8.18	5.25	2.93	NA
MW-5	07/12/1991	24,000	1,700	NA	2,200	280	430	5,700	NA	NA	NA	NA	NA	NA	8.18	5.70	2.48	NA
MW-5	10/08/1991	2,800	1,400	NA	860	13	ND	580	NA	NA	NA	NA	NA	NA	8.18	6.50	1.68	NA
MW-5	02/06/1992	1,000	1,200	NA	300	ND	14	62	NA	NA	NA	NA	NA	NA	8.18	6.35	1.83	NA
MW-5	05/04/1992	10,000	4,100 a	NA	1,500	350	710	2,300	NA	NA	NA	NA	NA	NA	8.18	4.87	3.31	NA
MW-5	07/28/1992	12,000	3,800 a	NA	2,200	63	1,400	3,500	NA	NA	NA	NA	NA	NA	8.18	5.73	2.45	NA
MW-5	10/27/1992	7,500	480 a	NA	1,100	59	230	900	NA	NA	NA	NA	NA	NA	8.18	6.98	1.20	NA
MW-5	01/14/1993	7,700	1,100 a	NA	420	49	570	840	NA	NA	NA	NA	NA	NA	8.18	4.70	3.48	NA
MW-5	04/23/1993	110,000	1,600 a	NA	2,900	2,500	3,400	12,000	NA	NA	NA	NA	NA	NA	8.18	4.19	3.99	NA
MW-5	07/20/1993	18a	1,200 a	NA	1,400	84	1,500	3,200	NA	NA	NA	NA	NA	NA	10.87	5.10	5.77	NA
MW-5	10/18/1993	14,000	5,800 a	NA	2,000	100	2,300	5,100	NA	NA	NA	NA	NA	NA	10.87	5.79	5.08	NA
MW-5	01/06/1994	81,000	1,100 a	NA	11,000	9,300	3,600	12,000	NA	NA	NA	NA	NA	NA	10.87	5.56	5.31	NA
MW-5	04/12/1994	17,000	4,100	NA	2,900	380	430	1,300	NA	NA	NA	NA	NA	NA	10.87	4.90	5.97	NA
MW-5	07/25/1994	5,900	5,400 a	NA	1,500	42	34	170	NA	NA	NA	NA	NA	NA	10.87	5.38	5.49	NA
MW-5	10/25/1994	2,300	1,900 a	NA	35	3	ND	8	NA	NA	NA	NA	NA	NA	10.87	6.16	4.71	NA
MW-5	01/09/1995	8,300	3,700 a	NA	1,500	95	330	1,900	NA	NA	NA	NA	NA	NA	10.87	4.60	6.27	NA
MW-5	04/11/1995	7,300	9,800	NA	1,200	230	600	550	NA	NA	NA	NA	NA	NA	10.87	3.74	7.13	NA
MW-5	07/18/1995	17,000	5,100	NA	2,300	730	770	2,500	NA	NA	NA	NA	NA	NA	10.87	4.97	5.90	NA
MW-5	10/18/1995	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.87	5.67	5.20	NA
MW-6	05/23/1989	22,000	7,000	NA	16	6.5	7	3,400	NA	NA	NA	NA	NA	NA	8.21	5.47	2.74	NA
MW-6	08/03/1989	28,000	8,800	NA	1,200	130	2,100	2,800	NA	NA	NA	NA	NA	NA	8.21	5.91	2.30	NA
MW-6	12/15/1989	16,000	5,500	NA	370	92	200	180	NA	NA	NA	NA	NA	NA	8.21	5.98	2.23	NA

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Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6	02/07/1990	22,000	2,600	NA	520	85	630	770	NA	NA	NA	NA	NA	NA	8.21	5.47	2.74	NA
MW-6	04/18/1990	21,000	5,700	NA	900	77	2,700	2,700	NA	NA	NA	NA	NA	NA	8.21	5.80	2.41	NA
MW-6	07/23/1990	24,000	3,000	NA	1,000	94	3,400	2,700	NA	NA	NA	NA	NA	NA	8.21	5.85	2.36	NA
MW-6	09/27/1990	22,000	ND	NA	700	93	2,500	2,400	NA	NA	NA	NA	NA	NA	8.21	6.42	1.79	NA
MW-6	01/03/1991	25,000	960	NA	1,000	88	2,600	3,700	NA	NA	NA	NA	NA	NA	8.21	6.73	1.48	NA
MW-6	04/10/1991	18,000	920	NA	560	190	480	830	NA	NA	NA	NA	NA	NA	8.21	5.24	2.97	NA
MW-6	07/12/1991	9,500	1,900	NA	670	51	1,100	920	NA	NA	NA	NA	NA	NA	8.21	5.78	2.43	NA
MW-6	10/08/1991	11,000	5,100	NA	1,000	43	ND	ND	NA	NA	NA	NA	NA	NA	8.21	6.36	1.85	NA
MW-6	02/06/1992	7,200	1,500 a	NA	560	8	720	160	NA	NA	NA	NA	NA	NA	8.21	6.15	2.06	NA
MW-6	05/04/1992	7,900	2,900 a	NA	610	ND	1,500	240	NA	NA	NA	NA	NA	NA	8.21	5.07	3.14	NA
MW-6	07/28/1992	17,000	3,200 a	NA	1,200	ND	3,000	610	NA	NA	NA	NA	NA	NA	8.21	5.85	2.36	NA
MW-6	10/27/1992	15,000	1,300 a	NA	1,300	130	1,700	490	NA	NA	NA	NA	NA	NA	8.21	6.69	1.52	NA
MW-6	01/14/1993	4,900	1,600 a	NA	80	31	330	37	NA	NA	NA	NA	NA	NA	8.21	4.52	3.69	NA
MW-6	04/23/1993	4,800	1,800 a	NA	120	ND	780	73	NA	NA	NA	NA	NA	NA	8.21	4.32	3.89	NA
MW-6	07/20/1993	19a	910 a	NA	570	18	1,100	130	NA	NA	NA	NA	NA	NA	11.04	5.39	5.65	NA
MW-6	10/18/1993	24,000	2,500 a	NA	770	440	1,600	830	NA	NA	NA	NA	NA	NA	11.04	6.67	4.37	NA
MW-6	01/06/1994	20 a	2,300 a	NA	450	30	530	52	NA	NA	NA	NA	NA	NA	11.04	5.66	5.38	NA
MW-6	04/12/1994	3,600	1,600	NA	150	ND	340	21	NA	NA	NA	NA	NA	NA	11.04	4.91	6.13	NA
MW-6	07/25/1994	1,600	2,200 a	NA	160	ND	ND	10	NA	NA	NA	NA	NA	NA	11.04	5.55	5.49	NA
MW-6 (D)	07/25/1994	1,000	2,400 a	NA	160	ND	ND	18	NA	NA	NA	NA	NA	NA	11.04	5.55	5.49	NA
MW-6	10/25/1994	9,800	3,000 a	NA	390	22	300	57	NA	NA	NA	NA	NA	NA	11.04	6.24	4.80	NA
MW-6	01/09/1995	2,200	800 a	NA	74	12	400	39	NA	NA	NA	NA	NA	NA	11.04	4.58	6.46	NA
MW-6	04/11/1995	5,000	7,700	NA	330	15	760	85	NA	NA	NA	NA	NA	NA	11.04	4.04	7.00	NA
MW-6	07/18/1995	4,200	1,700	NA	320	11	490	22	NA	NA	NA	NA	NA	NA	11.04	5.01	6.03	NA
MW-6	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.04	5.86	5.18	NA
MW-6	01/09/1996	5,600	790	NA	59	<5	180	12	14,000	NA	NA	NA	NA	NA	11.04	4.75	6.29	NA
MW-6	04/02/1996	1,500	NA	NA	12	<5	170	9	1,900	NA	NA	NA	NA	NA	11.04	3.82	7.22	NA
MW-6	10/03/1996	2,600	1,800	NA	110	<25	<25	<25	11,000	NA	NA	NA	NA	NA	11.04	5.27	5.77	2.2
MW-6	04/03/1997	<2,500	650	NA	30	<25	32	<25	10,000	NA	NA	NA	NA	NA	11.04	4.42	6.62	2.0
MW-6	10/08/1997	1,900	1,100	NA	31	<5.0	6.1	<5.0	2,600	NA	NA	NA	NA	NA	11.04	4.70	6.34	1.0
MW-6	06/10/1998	<1,000	1,500	NA	17	12	14	88	14,000	NA	NA	NA	NA	NA	11.04	4.36	6.68	0.4/0.4

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MW-6	12/30/1998	260	528	NA	<2.50	<2.50	<2.50	<2.50	909	NA	NA	NA	NA	NA	11.04	4.98	6.06	2.1/1.6
MW-6 *	06/25/1999	<2,500	NA	NA	<25.0	<25.0	<25.0	<25.0	8,850	7,630	NA	NA	NA	NA	11.04	4.81	6.23	1.4/3.6
MW-6	12/28/1999	526	416	NA	7.60	<1.00	<1.00	<1.00	1,510	NA	NA	NA	NA	NA	11.04	5.17	5.87	1.8/2.0
MW-6	05/31/2000	2,870	998	NA	45.7	4.70	8.61	<2.50	3,780	NA	NA	NA	NA	NA	11.04	4.58	6.46	0.92/2.3(
MW-6	10/17/2000	2,370	944a	NA	49.8	5.36	<5.00	<5.00	746	NA	NA	NA	NA	NA	11.04	4.80	6.24	2.5/2.1
MW-6	05/01/2001	3,000	706	NA	2.72	<2.50	4.46	<2.50	473	NA	NA	NA	NA	NA	11.04	4.75	6.29	2.2/1.6
MW-6	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.04	4.86	6.18	2.0/1.3
MW-6	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.04	5.73	5.31	0.6
MW-6	11/07/2001	1,700	180	NA	1.3	1.2	1.3	1.1	NA	430	NA	NA	NA	NA	11.04	5.75	5.29	2.4/1.8
MW-6	05/01/2002	1,400	<300	NA	2.0	0.61	4.3	0.68	NA	220	NA	NA	NA	NA	11.04	4.47	6.57	2.5/2.0
MW-6	07/16/2002	3,500	<600	NA	31	1.5	5.7	1.2	NA	220	NA	NA	NA	NA	11.04	5.05	5.99	0.6/0.6
MW-6	10/17/2002	3,000	<700	NA	27	1.7	2.9	1.8	NA	340	NA	NA	NA	NA	10.59	5.80	4.79	1.2/1.1
MW-6	01/21/2003	900	<200	NA	1.5	<0.50	1.4	<0.50	NA	73	NA	NA	NA	NA	10.59	4.39	6.20	0.8/0.6
MW-6	05/01/2003	700 a	160 a	NA	0.58	<0.50	0.82	<1.0	NA	71	NA	NA	NA	NA	10.59	4.19	6.40	NA
MW-6	07/17/2003	<1,200	220 a,f	NA	<12	<12	<12	<25	NA	840	NA	NA	NA	NA	10.59	5.22	5.37	NA
MW-6	10/02/2003	<1,000	300 a	NA	<10	<10	<10	<20	NA	1,500	NA	NA	NA	NA	10.59	5.86	4.73	NA
MW-6	01/05/2004	520	140 a	NA	<0.50	0.72	<0.50	<1.0	NA	30	NA	NA	NA	NA	10.59	3.79	6.80	NA
MW-6	04/01/2004	650	220 a	NA	<0.50	<0.50	0.54	<1.0	NA	130	NA	NA	NA	NA	10.59	4.28	6.31	NA
MW-6	**08/02/2004**	**1,600**	**500 a**	**<500**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**480**	**<10**	**<10**	**<10**	**900**	**10.59**	**5.78**	**4.81**	**NA**
MW-7	05/23/1989	47,000	11,000	NA	3,500	5,000	1,500	7,800	NA	NA	NA	NA	NA	NA	7.44	5.48	1.96	NA
MW-7	08/03/1989	68,000	22,000	NA	6,200	6,600	3,600	8,800	NA	NA	NA	NA	NA	NA	7.44	4.22	3.22	NA
MW-7	12/15/1989	100,000	12,000	NA	4,500	5,300	1,300	5,300	NA	NA	NA	NA	NA	NA	7.44	4.58	2.86	NA
MW-7	02/07/1990	96,000	8,100	NA	15,000	15,000	2,500	14,000	NA	NA	NA	NA	NA	NA	7.44	5.34	2.10	NA
MW-7	04/18/1990	94,000	10,000	NA	25,000	13,000	3,300	13,000	NA	NA	NA	NA	NA	NA	7.44	4.92	2.52	NA
MW-7	07/23/1990	84,000	12,000	NA	3,800	26,000	13,000	3,000	NA	NA	NA	NA	NA	NA	7.44	4.99	2.45	NA
MW-7	09/27/1990	43,000	ND	NA	25,000	6,100	2,400	9,000	NA	NA	NA	NA	NA	NA	7.44	6.16	1.28	NA
MW-7	01/03/1991	78,000	3,100	NA	26,000	16,000	3,000	14,000	NA	NA	NA	NA	NA	NA	7.44	4.96	2.48	NA
MW-7	04/10/1991	140,000	1,800	NA	26,000	16,000	2,200	14,000	NA	NA	NA	NA	NA	NA	7.44	4.13	3.31	NA
MW-7	07/12/1991	79,000	1,100	NA	7,700	7,200	2,300	10,000	NA	NA	NA	NA	NA	NA	7.44	4.98	2.46	NA
MW-7	10/08/1991	55,000	390 a	NA	29,000	7,500	1,800	9,300	NA	NA	NA	NA	NA	NA	7.44	5.48	1.96	NA

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MW-7	02/06/1992	63,000	9,600 a	NA	16,000	8,700	1,600	7,400	NA	NA	NA	NA	NA	NA	7.44	5.05	2.39	NA
MW-7	05/04/1992	67,000	9,800 a	NA	22,000	13,000	1,800	9,400	NA	NA	NA	NA	NA	NA	7.44	4.43	3.01	NA
MW-7	07/28/1992	85,000	13,000 a	NA	26,000	17,000	2,900	15,000	NA	NA	NA	NA	NA	NA	7.44	4.88	2.56	NA
MW-7	10/27/1992	63,000	1,900 a	NA	21,000	11,000	3,000	11,000	NA	NA	NA	NA	NA	NA	7.44	5.39	2.05	NA
MW-7	01/14/1993	120,000	2,300 a	NA	28,000	21,000	1,600	15,000	NA	NA	NA	NA	NA	NA	7.44	4.26	3.18	NA
MW-7	04/23/1993	60,000	12,000 a	NA	17,000	3,700	2,200	11,000	NA	NA	NA	NA	NA	NA	7.44	4.04	3.40	NA
MW-7 (D)	04/23/1993	50,000	14,000 a	NA	17,000	4,200	2,200	11,000	NA	NA	NA	NA	NA	NA	7.44	4.04	3.40	NA
MW-7	07/20/1993	47,000	13,000	NA	23,000	9,900	2,200	12,000	NA	NA	NA	NA	NA	NA	10.28	4.36	5.92	NA
MW-7	10/18/1993	44,000	10,000 a	NA	22,000	3,800	2,600	10,000	NA	NA	NA	NA	NA	NA	10.28	5.14	5.14	NA
MW-7	01/06/1994	65,000	5,200 a	NA	16,000	4,900	1,900	8,500	NA	NA	NA	NA	NA	NA	10.28	4.83	5.45	NA
MW-7	04/12/1994	68,000	3,400	NA	12,000	2,000	580	6,400	NA	NA	NA	NA	NA	NA	10.28	4.24	6.04	NA
MW-7	07/25/1994	63,000	4,200 a	NA	16,000	5,800	300	8,300	NA	NA	NA	NA	NA	NA	10.28	4.58	5.70	NA
MW-7	10/25/1994	46,000	3,800 a	NA	16,000	3,700	1,200	7,300	NA	NA	NA	NA	NA	NA	10.28	5.07	5.21	NA
MW-7	01/09/1995	62,000	3,300 a	NA	24,000	8,500	1,100	9,400	NA	NA	NA	NA	NA	NA	10.28	3.38	6.90	NA
MW-7 (D)	01/11/1995	57,000	3,200 a	NA	9,500	7,900	620	8,000	NA	NA	NA	NA	NA	NA	10.28	3.38	6.90	NA
MW-7	04/11/1995	53,000	7,000	NA	13,000	4,200	1,500	7,700	NA	NA	NA	NA	NA	NA	10.28	3.52	6.76	NA
MW-7 (D)	04/12/1995	55,000	7,600	NA	11,000	3,700	1,300	6,400	NA	NA	NA	NA	NA	NA	10.28	3.52	6.76	NA
MW-7	07/18/1995	95,000	2,700	NA	24,000	8,000	2,100	12,000	NA	NA	NA	NA	NA	NA	10.28	4.70	5.58	NA
MW-7	10/18/1995	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.28	5.25	5.03	NA
MW-8	05/23/1989	ND	100	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	6.62	1.17	NA
MW-8	08/03/1989	ND	75	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	6.62	1.17	NA
MW-8	12/15/1989	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	6.71	1.08	NA
MW-8	03/08/1990	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	4.95	2.84	NA
MW-8	04/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.79	6.40	1.89	NA
MW-8	07/23/1990	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	6.62	1.17	NA
MW-8	09/27/1990	ND	1,100	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	6.98	0.81	NA
MW-8	01/03/1991	ND	ND	NA	1.3	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	7.03	0.76	NA
MW-8	04/10/1991	50	ND	NA	0.7	1.1	0.8	1	NA	NA	NA	NA	NA	NA	7.79	4.40	3.39	NA
MW-8	07/12/1991	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	6.80	0.99	NA
MW-8	10/08/1991	ND	ND	NA	1.4	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	7.56	0.23	NA

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MW-8	02/06/1992	ND	60 a	NA	ND	0.7	ND	ND	NA	NA	NA	NA	NA	NA	7.79	6.94	0.85	NA
MW-8	05/04/1992	ND	210 a	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	5.86	1.93	NA
MW-8	07/28/1992	51	ND	NA	ND	ND	1	0.6	NA	NA	NA	NA	NA	NA	7.79	6.94	0.85	NA
MW-8	10/27/1992	ND	ND	NA	ND	6.6	ND	ND	NA	NA	NA	NA	NA	NA	7.79	7.83	-0.04	NA
MW-8	01/14/1993	ND	64a	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	3.60	4.19	NA
MW-8 (D)	01/14/1993	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	3.60	4.19	NA
MW-8	04/23/1993	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.79	4.12	3.67	NA
MW-8	07/20/1993	ND	ND	NA	0.7	0.7	0.8	4.1	NA	NA	NA	NA	NA	NA	10.61	6.38	4.23	NA
MW-8	10/18/1993	ND	ND	NA	ND	800	ND	ND	NA	NA	NA	NA	NA	NA	10.61	7.47	3.14	NA
MW-8	01/06/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.61	7.20	3.41	NA
MW-8	04/12/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.61	6.16	4.45	NA
MW-8	07/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.61	6.94	3.67	NA
MW-8	10/25/1994	ND	ND	NA	ND	1	ND	ND	NA	NA	NA	NA	NA	NA	10.61	7.43	3.18	NA
MW-8	01/09/1995	ND	70 a	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.61	3.98	6.63	NA
MW-8	04/11/1995	ND	78	NA	0.63	1.3	ND	0.75	NA	NA	NA	NA	NA	NA	10.61	4.12	6.49	NA
MW-8	07/18/1995	ND	130	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.61	5.21	5.40	NA
MW-8	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	5.58	5.03	NA
MW-8	01/09/1996	<50	ND	NA	<0.5	<0.5	<0.5	<0.5	ND	NA	NA	NA	NA	NA	10.61	5.09	5.52	NA
MW-8	04/02/1996	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.61	3.42	7.19	NA
MW-8	10/03/1996	<50	<69	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.61	4.30	6.31	NA
MW-8	04/03/1997	<50	62	NA	<0.50	<0.50	<0.50	0.91	<2.5	NA	NA	NA	NA	NA	10.61	4.58	6.03	2.6
MW-8	10/08/1997	<50	57	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	10.61	3.00	7.61	3.6
MW-8	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	2.88	7.73	NA
MW-8	12/30/1998	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	10.61	5.38	5.23	0.8/0.9
MW-8	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.53	6.08	NA
MW-8	12/28/1999	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	10.61	4.93	5.68	1.0/0.9
MW-8	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.02	6.59	NA
MW-8	10/17/2000	<50.0	143a	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	10.61	3.10	7.51	4.0/4.1
MW-8	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.12	6.49	NA
MW-8	11/05/2001	<50	<50	NA	<0.50	0.99	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.61	5.00	5.61	0.6/1.3
MW-8	05/01/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.61	3.25	7.36	0.6/3.6

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Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-8	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	3.64	6.97	NA
MW-8	10/17/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.18	4.53	5.65	3.3/2.2
MW-8	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.18	3.98	6.20	NA
MW-8	05/01/2003	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	10.18	4.00	6.18	NA
MW-8	07/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.18	4.37	5.81	NA
MW-8	10/02/2003	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	10.18	4.56	5.62	NA
MW-8	01/05/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.18	2.90	7.28	NA
MW-8	04/01/2004	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	10.18	3.83	6.35	NA
MW-8	**08/02/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.18**	**5.35**	**4.83**	**NA**
MW-9	08/03/1989	47,000	12,000	NA	5,600	6,600	1,500	8,500	NA	NA	NA	NA	NA	NA	7.63	5.78	1.85	NA
MW-9	12/15/1989	88,000	9,200	NA	4,300	5,400	140	5,600	NA	NA	NA	NA	NA	NA	7.63	5.24	2.39	NA
MW-9	02/07/1990	50,000	7,400	NA	1,800	1,400	3,200	1,800	NA	NA	NA	NA	NA	NA	7.63	5.23	2.40	NA
MW-9	04/18/1990	50,000	7,500	NA	14,000	11,000	730	10,000	NA	NA	NA	NA	NA	NA	7.63	5.34	2.29	NA
MW-9	07/23/1990	62,000	3,200	NA	19,000	16,000	950	15,000	NA	NA	NA	NA	NA	NA	7.63	5.65	1.98	NA
MW-9	09/27/1990	30,000	2,700	NA	16,000	6,500	980	11,000	NA	NA	NA	NA	NA	NA	7.63	5.96	1.67	NA
MW-9	01/03/1991	34,000	2,500	NA	9,200	3,200	770	7,000	NA	NA	NA	NA	NA	NA	7.63	6.23	1.40	NA
MW-9	04/10/1991	66,000	2,200	NA	17,000	13,000	1,400	14,000	NA	NA	NA	NA	NA	NA	7.63	4.65	2.98	NA
MW-9	07/12/1991	40,000	2,000	NA	7,700	3,200	1,100	9,400	NA	NA	NA	NA	NA	NA	7.63	5.65	1.98	NA
MW-9	10/08/1991	20,000	4,700 a	NA	11,000	640	240	6,000	NA	NA	NA	NA	NA	NA	7.63	6.08	1.55	NA
MW-9	02/06/1992	36,000	6,600 a	NA	11,000	490	1,100	6,700	NA	NA	NA	NA	NA	NA	7.63	5.92	1.71	NA
MW-9	05/04/1992	31,000	5,800 a	NA	11,000	1,700	1,200	8,700	NA	NA	NA	NA	NA	NA	7.63	4.80	2.83	NA
MW-9	07/28/1992	50,000	14,000	NA	17,000	1,200	1,500	12,000	NA	NA	NA	NA	NA	NA	7.63	5.61	2.02	NA
MW-9	10/27/1992	43,000	880 a	NA	15,000	680	1,700	8,100	NA	NA	NA	NA	NA	NA	7.63	6.24	1.39	NA
MW-9	01/14/1993	52,000	730 a	NA	9,600	1,100	1,100	7,000	NA	NA	NA	NA	NA	NA	7.63	4.95	2.68	NA
MW-9	04/23/1993	45,000	8,000 a	NA	11,000	1,400	1,500	10,000	NA	NA	NA	NA	NA	NA	7.63	4.54	3.09	NA
MW-9	07/20/1993	25,000	5,100	NA	10,000	320	1,100	7,100	NA	NA	NA	NA	NA	NA	10.48	5.25	5.23	NA
MW-9	10/18/1993	32,000	4,900 a	NA	14,000	530	2,000	10,000	NA	NA	NA	NA	NA	NA	10.48	6.00	4.48	NA
MW-9	01/06/1994	41,000	7,700 a	NA	15,000	810	1,400	9,000	NA	NA	NA	NA	NA	NA	10.48	5.62	4.86	NA
MW-9 (D)	01/06/1994	43,000	8,300 a	NA	15,000	920	1,300	8,000	NA	NA	NA	NA	NA	NA	10.48	5.62	4.86	NA
MW-9	04/12/1994	39,000	2,000	NA	8,300	ND	ND	4,000	NA	NA	NA	NA	NA	NA	10.48	4.31	6.17	NA

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Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-9	07/25/1994	22,000	3,600 a	NA	7,500	150	ND	4,100	NA	NA	NA	NA	NA	NA	10.48	5.43	5.05	NA
MW-9	10/25/1994	31,000	3,200 a	NA	13,000	240	1,000	8,500	NA	NA	NA	NA	NA	NA	10.48	6.00	4.48	NA
MW-9 (D)	10/26/1994	31,000	3,500 a	NA	13,000	220	1,100	8,300	NA	NA	NA	NA	NA	NA	10.48	6.00	4.48	NA
MW-9	01/09/1995	4,800	2,300 a	NA	1,200	510	42	1,400	NA	NA	NA	NA	NA	NA	10.48	4.26	6.22	NA
MW-9	04/11/1995	20,000	3,400	NA	5,100	460	400	3,400	NA	NA	NA	NA	NA	NA	10.48	4.08	6.40	NA
MW-9	07/18/1995	43,000	2,900	NA	12,000	1,800	960	9,100	NA	NA	NA	NA	NA	NA	10.48	5.07	5.41	NA
MW-9	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.48	5.82	4.66	NA
MW-9	01/09/1996	64,000	2,800	NA	12,000	5,400	1,800	10,000	2100	NA	NA	NA	NA	NA	10.48	4.36	6.12	NA
MW-9	04/02/1996	39,000	NA	NA	10,000	100	520	4,100	<500	NA	NA	NA	NA	NA	10.48	3.86	6.62	NA
MW-9	10/03/1996	46,000	3,100	NA	12,000	180	1,400	6,700	2,300	NA	NA	NA	NA	NA	10.48	4.90	5.58	1.4
MW-9	04/03/1997	36,000	2,300	NA	9,700	140	580	3,900	<500	NA	NA	NA	NA	NA	10.48	3.98	6.50	1.8
MW-9	10/08/1997	34,000	3,500	NA	6,900	<100	830	4,500	<125	NA	NA	NA	NA	NA	10.48	4.17	6.31	0.8
MW-9	06/10/1998	20,000	2,500	NA	9,900	250	3,100	170	460	NA	NA	NA	NA	NA	10.48	3.84	6.64	0.3/0.4
MW-9	12/30/1998	30,100	1,900	NA	8,500	166	603	3,340	<100	NA	NA	NA	NA	NA	10.48	4.72	5.76	1.1/1.2
MW-9 *	06/25/1999	26,300	NA	NA	8,090	73.5	409	2,730	<100	NA	NA	NA	NA	NA	10.48	4.47	6.01	1.2/2.4
MW-9	12/28/1999	4,130	839	NA	1,260	57.9	103	213	1,470	NA	NA	NA	NA	NA	10.48	4.82	5.66	1.0/1.1
MW-9	05/31/2000	8,210	1,300	NA	9,290	62.3	141	908	565	NA	NA	NA	NA	NA	10.48	3.87	6.61	2.8/c
MW-9	10/17/2000	19,000	1,510 a	NA	5,420	54.5	479	2,680	<250	NA	NA	NA	NA	NA	10.48	3.87	6.61	3.0/3.5
MW-9	05/01/2001	24,300	976	NA	11,200	52.9	159	1,610	<250	NA	NA	NA	NA	NA	10.48	4.44	6.04	1.6/1.0
MW-9	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.48	3.99	6.49	1.9/1.5
MW-9	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.48	5.41	5.07	0.7
MW-9	11/07/2001	25,000	<1,000	NA	7,300	85	630	4,100	NA	<250	NA	NA	NA	NA	10.48	5.60	4.88	1.4/1.1
MW-9	05/01/2002	27,000	<700	NA	11,000	79	260	1,300	NA	<500	NA	NA	NA	NA	10.48	3.38	7.10	2.9/1.1
MW-9	07/16/2002	29,000	<700	NA	12,000	<50	74	810	NA	<500	NA	NA	NA	NA	10.48	4.04	6.44	0.7/0.4
MW-9	10/17/2002	15,000	<800	NA	10,000	31	36	490	NA	53	NA	NA	NA	NA	10.07	4.92	5.15	1.0/1.2
MW-9	01/21/2003	8,500	<400	NA	3,100	39	190	590	NA	<200	NA	NA	NA	NA	10.07	4.52	5.55	0.4/0.8
MW-9	05/01/2003	16,000 a	1,600 a	NA	4,900	<100	<100	1,500	NA	<1,000	NA	NA	NA	NA	10.07	4.05	6.02	NA
MW-9	07/17/2003	14,000	1,300 a,f	NA	9,900	130	<120	2,300	NA	<120	NA	NA	NA	NA	10.07	4.82	5.25	NA
MW-9	10/02/2003	13,000	3,100 a	NA	8,500	190	770	5,100	NA	<100	NA	NA	NA	NA	10.07	5.17	4.90	NA
MW-9	01/05/2004	37,000	1,500 a	NA	15,000	250	750	3,800	NA	<100	NA	NA	NA	NA	10.07	3.94	6.13	NA
MW-9	04/01/2004	14,000	1,800 a	NA	6,800	80	230	1,800	NA	<50	NA	NA	NA	NA	10.07	4.24	5.83	NA

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MW-9	**08/02/2004**	**12,000**	**710 A**	**<500**	**8,200**	**<50**	**66**	**650**	**NA**	**<50**	**<200**	**<200**	**<200**	**<500**	**10.07**	**5.10**	**4.97**	**NA**
MW-10	12/15/1989	ND	3,100	NA	1,500	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.45	6.33	0.82	NA
MW-10	03/08/1990	25,000	1,800	NA	17,000	330	2,100	1,400	NA	NA	NA	NA	NA	NA	7.45	5.41	2.00	NA
MW-10	04/18/1990	23,000	3,600	NA	15,000	1,200	190	3,300	NA	NA	NA	NA	NA	NA	7.45	5.60	1.85	NA
MW-10	07/23/1990	18,000	1,900	NA	12,000	380	ND	1,400	NA	NA	NA	NA	NA	NA	7.45	5.81	1.64	NA
MW-10	09/27/1990	9,500	430	NA	13,000	100	1,800	230	NA	NA	NA	NA	NA	NA	7.45	6.64	0.81	NA
MW-10	01/03/1991	4,300	630	NA	3,700	10	ND	110	NA	NA	NA	NA	NA	NA	7.45	6.96	0.49	NA
MW-10	04/10/1991	45,000	1,400	NA	16,000	4,600	3,000	6,900	NA	NA	NA	NA	NA	NA	7.45	4.70	2.75	NA
MW-10	07/12/1991	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.45	5.90	1.55	NA
MW-10	10/08/1991	3,800	1,500 a	NA	13,000	82	9	500	NA	NA	NA	NA	NA	NA	7.45	6.68	0.77	NA
MW-10	02/06/1992	22,000	1,600 a	NA	12,000	ND	600	170	NA	NA	NA	NA	NA	NA	7.45	7.04	0.41	NA
MW-10	05/04/1992	39,000	8,000 a	NA	14,000	5,000	1,800	5,000	NA	NA	NA	NA	NA	NA	7.45	4.69	2.76	NA
MW-10	07/28/1992	38,000	8,700 a	NA	17,000	2,800	1,500	4,000	NA	NA	NA	NA	NA	NA	7.45	6.00	1.45	NA
MW-10	10/27/1992b	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA	NA
MW-10	01/14/1993	26,000	950 a	NA	10,000	ND	ND	160	NA	NA	NA	NA	NA	NA	7.45	6.07	1.38	NA
MW-10	04/23/1993	80,000	1,900 a	NA	21,000	13,000	3,400	12,000	NA	NA	NA	NA	NA	NA	7.45	4.14	3.31	NA
MW-10	07/20/1993	31,000	4,800	NA	14,000	4,200	1,700	5,500	NA	NA	NA	NA	NA	NA	10.61	5.62	4.99	NA
MW-10	10/18/1993	13,000	1,200 a	NA	8,600	220	ND	450	NA	NA	NA	NA	NA	NA	10.61	6.43	4.18	NA
MW-10	01/06/1994	16,000	670 a	NA	9,700	<125	<125	210	NA	NA	NA	NA	NA	NA	10.61	6.74	3.87	NA
MW-10	04/12/1994	16,000	860	NA	5,600	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.61	5.98	4.63	NA
MW-10	07/25/1994	2,300	2,100 a	NA	1,400	26	25	51	NA	NA	NA	NA	NA	NA	10.61	6.31	4.30	NA
MW-10	10/25/1994	1,400	1,000 a	NA	290	5	2	38	NA	NA	NA	NA	NA	NA	10.61	6.64	3.97	NA
MW-10	01/09/1995	16,000	2,300 a	NA	7,500	1,400	230	1,500	NA	NA	NA	NA	NA	NA	10.61	5.70	4.91	NA
MW-10	04/11/1995	54,000	5,000	NA	13,000	4,500	1,500	4,500	NA	NA	NA	NA	NA	NA	10.61	5.82	4.79	NA
MW-10	07/18/1995	72,000	2,600	NA	20,000	7,200	2,800	9,000	NA	NA	NA	NA	NA	NA	10.61	6.79	3.82	NA
MW-10	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	5.31	5.30	NA
MW-10	01/09/1996	32,000	2,100	NA	8,000	1,600	880	3,200	12,000	NA	NA	NA	NA	NA	10.61	5.92	4.69	NA
MW-10	04/02/1996	68,000	NA	NA	9,100	2,300	1,100	3,700	3,300	NA	NA	NA	NA	NA	10.61	5.43	5.18	NA
MW-10	10/03/1996	33,000	2,900	NA	11,000	1,300	830	2,400	7,300	NA	NA	NA	NA	NA	10.61	6.07	4.54	1.7
MW-10 (D)	10/03/1996	40,000	3,300	NA	12,000	1,700	1,100	3,100	6,500	NA	NA	NA	NA	NA	10.61	6.07	4.54	1.7

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MW-10	04/03/1997	36,000	3,400	NA	12,000	2,300	1,400	4,500	2,300	NA	NA	NA	NA	NA	10.61	3.45	7.16	1.8
MW-10 (D)	04/03/1997	52,000	3,000	NA	12,000	2,300	1,400	4,500	2,100	NA	NA	NA	NA	NA	10.61	3.45	7.16	1.8
MW-10	10/08/1997	20,000	3,100	NA	7,500	420	470	1,300	1,500	NA	NA	NA	NA	NA	10.61	3.72	6.89	1.2
MW-10	06/10/1998	48,000	2,500	NA	14,000	2,600	1,500	4,800	1,800	NA	NA	NA	NA	NA	10.61	4.00	6.61	0.7/0.5
MW-10	12/30/1998	17,800	2,820	NA	6,000	136	344	639	1,250	NA	NA	NA	NA	NA	10.61	5.26	5.35	1.0/0.7
MW-10 *	06/25/1999	17,600	NA	NA	6,150	212	287	687	1,740	NA	NA	NA	NA	NA	10.61	4.49	6.12	0.9/2.5
MW-10	12/28/1999	10,800	1,400	NA	3,370	155	321	626	3,740	NA	NA	NA	NA	NA	10.61	4.87	5.74	1.2/1.4
MW-10	05/31/2000	3,020	2,270	NA	1,080	34.3	118	251	775	NA	NA	NA	NA	NA	10.61	3.48	7.13	2.8/3.9
MW-10	10/17/2000	15,500	1,750 a	NA	7,450	54.7	387	308	3,840	4,300	NA	NA	NA	NA	10.61	4.25	6.36	2.3/3.0
MW-10	05/01/2001	27,900	2,260	NA	9,920	1,050	1,020	2,370	2,180	NA	NA	NA	NA	NA	10.61	5.40	5.21	2.0/1.1
MW-10	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	3.74	6.87	3.70/1.8
MW-10	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.61	6.08	4.53	0.6
MW-10	11/07/2001	14,000	360	NA	5,300	260	430	810	NA	1,700	NA	NA	NA	NA	10.61	5.45	5.16	1.8/1.0
MW-10	05/01/2002	79,000	<1,500	NA	16,000	4,400	3,300	8,800	NA	890	NA	NA	NA	NA	10.61	4.62	5.99	4.0/0.5
MW-10	07/16/2002	21,000	<1,000	NA	6,500	350	460	1,000	NA	1,200	NA	NA	NA	NA	10.61	5.80	4.81	0.5/1.5
MW-10	10/17/2002	17,000	<1,800	NA	5,800	290	520	1,100	NA	980	NA	NA	NA	NA	9.81	5.27	4.54	0.8/1.2
MW-10	01/21/2003	52,000	<2,000	NA	13,000	2,000	2,100	4,800	NA	<1,000	NA	NA	NA	NA	9.81	5.72	4.09	0.3/0.6
MW-10	05/01/2003	40,000	3,800 a	NA	13,000	1,700	2,200	5,000	NA	2,900	NA	NA	NA	NA	9.81	4.29	5.52	NA
MW-10	07/17/2003	13,000	1,700 a,f	NA	7,200	250	740	1,500	NA	2,400	NA	NA	NA	NA	9.81	5.05	4.76	NA
MW-10	10/02/2003	<5,000	1,400 a	NA	2,700	<50	56	<100	NA	2,800	NA	NA	NA	NA	9.81	5.46	4.35	NA
MW-10	01/05/2004	77,000	2,300 a	NA	21,000	4,200	3,900	8,500	NA	1,900	NA	NA	NA	NA	9.81	3.52	6.29	NA
MW-10	04/01/2004	33,000	3,100 a	NA	11,000	1,000	1,600	3,600	NA	5,200	NA	NA	NA	NA	9.81	4.12	5.69	NA
MW-10	**08/02/2004**	**9,900**	**1,100 a**	**570**	**4,100**	**140**	**500**	**700**	**NA**	**3,800**	**<100**	**<100**	**<100**	**710**	**9.81**	**5.35**	**4.46**	**NA**
MW-11	07/20/1993	50	ND	NA	2.5	1.9	3.9	18	NA	NA	NA	NA	NA	NA	10.56	8.08	2.48	NA
MW-11	10/18/1993	ND	65	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.56	8.24	2.32	NA
MW-11	01/06/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.56	8.47	2.09	NA
MW-11	04/12/1994	ND	ND	NA	1.1	0.87	ND	1.5	NA	NA	NA	NA	NA	NA	10.56	8.44	2.12	NA
MW-11	07/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.56	8.20	2.36	NA
MW-11	10/25/1994	ND	100	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.56	8.67	1.89	NA
MW-11	01/09/1995	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.56	7.63	2.93	NA

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Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-11	04/11/1995	ND	140	NA	ND	0.7	ND	0.5	NA	NA	NA	NA	NA	NA	10.56	8.06	2.50	NA
MW-11	07/18/1995	ND	50	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.56	9.31	1.25	NA
MW-11	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.34	2.22	NA
MW-11	01/09/1996	<50	ND	NA	<0.5	<0.5	<0.5	<0.5	ND	NA	NA	NA	NA	NA	10.56	8.22	2.34	NA
MW-11	04/02/1996	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.56	7.97	2.59	NA
MW-11	10/03/1996	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.56	8.37	2.19	3.6
MW-11	04/03/1997	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	10.56	8.31	2.25	2.2
MW-11	10/08/1997	<50	54	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	10.56	8.56	2.00	1.2
MW-11	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.85	2.71	NA
MW-11	12/30/1998	<50.0	66.2	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	10.56	8.51	2.05	0.7/0.6
MW-11	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.01	2.55	NA
MW-11	12/28/1999	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	10.56	8.39	2.17	0.8/1.0
MW-11	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.38	3.18	NA
MW-11	10/17/2000	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	10.56	8.35	2.21	4.1/4.0
MW-11	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.15	2.41	NA
MW-11	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	NA	NA	NA
MW-11	05/01/2002	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	NA	NA	NA
MW-11	05/08/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.56	7.82	2.74	1.0/1.1
MW-11	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.64	2.92	NA
MW-11	10/17/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	7.95	NA	1.3/1.0
MW-11	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.57	NA	NA
MW-11	05/01/2003	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	7.62	NA	NA
MW-11	07/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.93	NA	NA
MW-11	10/02/2003	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	7.56	NA	NA
MW-11	01/05/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.03	NA	NA
MW-11	04/01/2004	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	7.55	NA	NA
MW-11	**08/02/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**6.50**	**NA**	**NA**
MW-12	07/20/1993	ND	1,500	NA	2.8	1.9	3.2	ND	NA	NA	NA	NA	NA	NA	9.56	6.76	2.80	NA
MW-12	10/18/1993	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	9.56	7.12	2.44	NA
MW-12	01/06/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	9.56	7.15	2.41	NA

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MW-12	04/12/1994	ND	ND	NA	0.61	ND	ND	1.1	NA	NA	NA	NA	NA	NA	9.56	6.68	2.88	NA
MW-12	07/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	9.56	6.83	2.73	NA
MW-12	10/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	9.56	7.34	2.22	NA
MW-12	01/09/1995	ND	80 a	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	9.56	5.02	4.54	NA
MW-12	04/11/1995	ND	200	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	9.56	7.38	2.18	NA
MW-12	07/18/1995	ND	90	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	9.56	8.50	1.06	NA
MW-12	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	6.63	2.93	NA
MW-12	01/09/1996	<50	ND	NA	<0.5	<0.5	<0.5	<0.5	ND	NA	NA	NA	NA	NA	9.56	6.32	3.24	NA
MW-12	04/02/1996	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	9.56	5.60	3.96	NA
MW-12	10/03/1996	<50	72	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	9.56	3.30	6.26	2.5
MW-12	04/03/1997	<50	74	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	9.56	6.13	3.43	2.2
MW-12	10/08/1997	<50	73	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	9.56	6.49	3.07	3.0
MW-12	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	5.85	3.71	NA
MW-12	12/30/1998	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	9.56	8.42	1.14	1.3/0.9
MW-12	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	7.89	1.67	NA
MW-12	12/28/1999	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	9.56	8.26	1.30	1.0/1.2
MW-12	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	7.21	2.35	NA
MW-12	10/17/2000	<50.0	82.9 a	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	9.56	6.80	2.76	5.1/3.0
MW-12	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	5.95	3.61	NA
MW-12	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	NA	NA	NA
MW-12	05/01/2002	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	NA	NA	NA
MW-12	05/08/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	9.56	4.75	4.81	1.2/0.9
MW-12	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.56	4.88	4.68	NA
MW-12	10/17/2002	<50	81	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	5.11	NA	1.8/1.5
MW-12	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.76	NA	NA
MW-12	05/01/2003	<50	95 a	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	5.00	NA	NA
MW-12	07/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.85	NA	NA
MW-12	10/02/2003	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	5.02	NA	NA
MW-12	01/05/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.95	NA	NA
MW-12	04/01/2004	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	5.04	NA	NA
MW-12	**08/02/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.42**	**NA**	**NA**

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MW-13	07/20/1993	ND	1,500	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	8.32	1.78	NA
MW-13 (D)	07/21/1993	ND	1,000	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	8.32	1.78	NA
MW-13	10/18/1993	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	8.66	1.44	NA
MW-13	01/06/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	8.70	1.40	NA
MW-13	04/12/1994	ND	100	NA	1.7	1.2	0.59	2.4	NA	NA	NA	NA	NA	NA	10.10	8.20	1.90	NA
MW-13	07/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	8.39	1.71	NA
MW-13	10/25/1994	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	8.70	1.40	NA
MW-13	01/09/1995	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	7.35	2.75	NA
MW-13	04/11/1995	ND	320	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	5.50	4.60	NA
MW-13	07/18/1995	ND	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	10.10	6.63	3.47	NA
MW-13	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.10	8.12	1.98	NA
MW-13	01/09/1996	<50	ND	NA	<0.5	<0.5	<0.5	<0.5	ND	NA	NA	NA	NA	NA	10.10	7.74	2.36	NA
MW-13	04/02/1996	<50	NA	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.10	6.30	3.80	NA
MW-13	10/03/1996	<50	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	10.10	6.50	3.60	3.0
MW-13	04/03/1997	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	10.10	7.58	2.52	2.0
MW-13	10/08/1997	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	10.10	8.17	1.93	1.0
MW-13	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.10	7.54	2.56	NA
MW-13	12/30/1998	<50.0	69.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	10.10	6.91	3.19	1.1/0.8
MW-13	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.10	6.31	3.79	NA
MW-13	12/28/1999	<50.0	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	10.10	6.65	3.45	0.8/1.0
MW-13	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.10	5.94	4.16	NA
MW-13	10/17/2000	<50.0	121 a	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	10.10	8.38	1.72	2.5/2.8
MW-13	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.10	7.65	2.45	NA
MW-13	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.10	NA	NA	NA
MW-13	05/01/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	10.10	6.80	3.30	3.5/3.5
MW-13	07/16/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.10	6.84	3.26	NA
MW-13	10/17/2002	<50	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	9.64	6.73	2.91	1.4/0.9
MW-13	01/21/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.64	6.99	2.65	NA
MW-13	05/01/2003	<50	<50	NA	3.4	0.75	1.1	2.7	NA	<5.0	NA	NA	NA	NA	9.64	6.62	3.02	NA
MW-13	07/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.64	5.99	3.65	NA

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MW-13	10/02/2003	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	9.64	6.81	2.83	NA
MW-13	01/05/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.64	5.98	3.66	NA
MW-13	04/01/2004	<50	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	9.64	5.09	4.55	NA
MW-13	**08/02/2004**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.49**	**5.09**	**0.40**	**NA**
VEW-5	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.91	NA	NA
VEW-5	10/17/2000	74,800	4,180 a	NA	9,090	14,600	2,630	14,500	632	NA	NA	NA	NA	NA	NA	2.65	NA	3.0/3.1
VEW-5	05/01/2001	94,800	5,350	NA	11,300	12,900	4,520	22,200	419	NA	NA	NA	NA	NA	NA	2.86	NA	0.4/0.6
VEW-5	11/05/2001	82,000	<1,600	NA	14,000	7,400	2,900	15,000	NA	740	NA	NA	NA	NA	NA	4.11	NA	0.6/c
VEW-5	05/01/2002	16,000	<3,000	NA	610	320	7.9	3,600	NA	310	NA	NA	NA	NA	NA	2.63	NA	4.7/2.9
VEW-5	07/16/2002	45,000	<3,000	NA	7,900	2,700	1,000	4,600	NA	920	NA	NA	NA	NA	NA	2.96	NA	0.4/0.3
VEW-5	10/17/2002	<50	200	NA	<0.50	<0.50	<0.50	<0.50	NA	46	NA	NA	NA	NA	8.81	3.55	5.26	1.1/1.0
VEW-5	01/21/2003	740	1,200	NA	53	22	17	70	NA	17	NA	NA	NA	NA	8.81	2.06	6.75	1.6/0.5
VEW-5	05/01/2003	1,500	1,000 a	NA	140	92	120	290	NA	11	NA	NA	NA	NA	8.81	2.34	6.47	NA
VEW-5	07/17/2003	4,200	1,400 a,f	NA	630	1,300	360	1,400	NA	38	NA	NA	NA	NA	8.81	3.36	5.45	NA
VEW-5	10/02/2003	10,000	3,500 a	NA	690	1,200	420	1,800	NA	54	NA	NA	NA	NA	8.81	3.65	5.16	NA
VEW-5	01/05/2004	180	530 a	NA	5.0	0.73	6.5	11	NA	1.9	NA	NA	NA	NA	8.81	2.02	6.79	NA
VEW-5	04/01/2004	2,800	2,500 a	NA	520	23	260	290	NA	55	NA	NA	NA	NA	8.81	2.77	6.04	NA
VEW-5	**08/02/2004**	**8,900**	**3,800 a**	**550**	**790**	**74**	**600**	**1,600**	**NA**	**62**	**<40**	**<40**	**<40**	**<100**	**8.81**	**3.55**	**5.26**	**NA**
VEW-6	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.94	NA	NA
VEW-6	10/17/2000	63,800	4,820 a	NA	6,940	2,750	2,760	18,700	3,700	NA	NA	NA	NA	NA	NA	3.13	NA	2.0/2.1
VEW-6	05/01/2001	57,000	3,460	NA	6,280	697	2,640	15,800	6,240	NA	NA	NA	NA	NA	NA	3.25	NA	0.8/1.2
VEW-6	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.17	NA	3.0/1.7
VEW-6	11/05/2001	39,000	<1,300	NA	6,800	380	1,900	7,900	NA	8,800	NA	NA	NA	NA	NA	4.35	NA	0.8/1.3
VEW-6	05/01/2002	24,000	<4,500	NA	1,800	270	470	3,700	NA	3,100	NA	NA	NA	NA	NA	2.73	NA	0.2/0.4
VEW-6	07/16/2002	19,000	<2,700	NA	1,900	250	140	3,500	NA	2,900	NA	NA	NA	NA	NA	3.59	NA	0.3/0.2
VEW-6	10/17/2002	<50	110	NA	<0.50	<0.50	<0.50	<0.50	NA	13	NA	NA	NA	NA	9.33	4.33	5.00	0.9/1.3
VEW-6	01/21/2003	900	<500	NA	30	1.1	20	61	NA	110	NA	NA	NA	NA	9.33	3.08	6.25	4.6/5.6
VEW-6	05/01/2003	1,100 a	290 a	NA	41	<5.0	58	66	NA	89	NA	NA	NA	NA	9.33	2.79	6.54	NA
VEW-6	07/17/2003	3,100	1,400 a,f	NA	400	30	280	820	NA	1,400	NA	NA	NA	NA	9.33	3.80	5.53	NA

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285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
VEW-6	10/02/2003	2,100	1,200 a	NA	310	37	200	420	NA	1,500	NA	NA	NA	NA	9.33	4.10	5.23	NA
VEW-6	01/05/2004	320	170 a	NA	4.9	0.54	3.3	18	NA	68	NA	NA	NA	NA	9.33	2.31	7.02	NA
VEW-6	04/01/2004	450	270 a	NA	44	1.6	23	24	NA	180	NA	NA	NA	NA	9.33	2.87	6.46	NA
VEW-6	**08/02/2004**	**Well Inaccessible**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.33**	**NA**	**NA**	**NA**
VEW-7	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.59	NA	NA
VEW-7	10/17/2000	74,300	3,990 a	NA	11,900	12,500	1,640	15,500	36,600	NA	NA	NA	NA	NA	NA	3.72	NA	3.5/4.1
VEW-7	05/01/2001	46,000	1,930	NA	7,250	5,300	1,960	9,820	15,600	16,900	NA	NA	NA	NA	NA	3.40	NA	0.8/0.8
VEW-7	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.54	NA	2.5/1.4
VEW-7	11/05/2001	38,000	<900	NA	9,300	610	1,700	6,000	NA	21,000	NA	NA	NA	NA	NA	4.85	NA	3.52/c
VEW-7	05/01/2002	590	<600	NA	6.3	7.2	<2.5	81	NA	1,100	NA	NA	NA	NA	NA	2.62	NA	2.9/3.3
VEW-7	07/16/2002	95	54	NA	1.5	<0.50	1.5	6.1	NA	100	NA	NA	NA	NA	NA	3.84	NA	3.6/2.5
VEW-7	10/17/2002	<50	110	NA	1.4	<0.50	<0.50	<0.50	NA	34	NA	NA	NA	NA	9.49	4.93	4.56	3.0/1.9
VEW-7	01/21/2003	<50	180	NA	0.88	<0.50	<0.50	4.2	NA	19	NA	NA	NA	NA	9.49	3.27	6.22	0.3/0.8
VEW-7	05/01/2003	2,200	1,000 a	NA	62	8.0	230	80	NA	360	NA	NA	NA	NA	9.49	2.95	6.54	NA
VEW-7	07/17/2003	<1,200	590 a,f	NA	97	19	150	110	NA	830	NA	NA	NA	NA	9.49	3.94	5.55	NA
VEW-7	10/02/2003	800	1,300 a	NA	78	11	170	49	NA	1,200	NA	NA	NA	NA	9.49	5.00	4.49	NA
VEW-7	01/05/2004	2,500	970 a	NA	120	13	86	300	NA	660	NA	NA	NA	NA	9.49	2.82	6.67	NA
VEW-7	04/01/2004	4,700	1,500 a	NA	100	42	240	680	NA	830	NA	NA	NA	NA	9.49	2.99	6.50	NA
VEW-7	**08/02/2004**	**1,100**	**830 a**	**<500**	**60**	**6.5**	**30**	**120**	**NA**	**920**	**<20**	**<20**	**<20**	**430.00**	**9.49**	**4.45**	**5.04**	**NA**
AS-1	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.67	NA	NA
AS-1	10/17/2000	13,400	3,280 a	NA	1,600	82.8	<20.0	2,600	498	NA	NA	NA	NA	NA	NA	5.50	NA	2.0/2.5
AS-1	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-1	11/05/2001	5,300	<900	NA	85	26	46	120	NA	190	NA	NA	NA	NA	NA	6.11	NA	0.4/0.5
AS-1	05/01/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.73	NA	NA
AS-1	07/16/2002	210	<150	NA	8.2	<0.50	7.9	3.5	NA	25	NA	NA	NA	NA	NA	5.59	NA	4.6/2.8
AS-1	10/17/2002	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.23	NA	NA	NA
AS-1	01/21/2003	<50	220	NA	0.62	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	8.23	9.51	-1.28	2.2/2.5
AS-1	05/01/2003	79	96 a	NA	2.2	0.99	5.1	4.8	NA	<5.0	NA	NA	NA	NA	8.23	5.75	2.48	NA
AS-1	07/17/2003	<50	79 a,f	NA	1.2	0.60	0.95	1.7	NA	3.6	NA	NA	NA	NA	8.23	5.90	2.33	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
AS-1	10/02/2003	440	99 a	NA	12	49	22	94	NA	3.5	NA	NA	NA	NA	8.23	5.90	2.33	NA
AS-1	01/05/2004	<50	76 a	NA	0.75	<0.50	0.70	<1.0	NA	2.4	NA	NA	NA	NA	8.23	5.64	2.59	NA
AS-1	04/01/2004	<50	<50	NA	0.79	<0.50	<0.50	<1.0	NA	3.2	NA	NA	NA	NA	8.23	5.86	2.37	NA
AS-2	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.38	NA	NA
AS-2	10/17/2000	4,380	1,380 a	NA	167	<10.0	225	680	315	NA	NA	NA	NA	NA	NA	5.50	NA	3.1/3.0
AS-2	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-2	11/05/2001	2,200	<300	NA	100	0.99	91	21	NA	220	NA	NA	NA	NA	NA	5.99	NA	0.8/0.6
AS-2	05/01/2002	880	<300	NA	19	<0.50	31	22	NA	57	NA	NA	NA	NA	NA	5.25	NA	1.0/0.8
AS-2	07/16/2002	910	<200	NA	40	4.1	39	43	NA	78	NA	NA	NA	NA	NA	5.53	NA	0.7/0.9
AS-2	10/17/2002	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.65	NA	NA	NA
AS-2	01/21/2003	<50	140	NA	1.4	<0.50	2.0	0.94	NA	19	NA	NA	NA	NA	8.65	9.32	-0.67	1.4/1.6
AS-2	05/01/2003	56	120 a	NA	2.1	<0.50	4.7	<1.0	NA	12	NA	NA	NA	NA	8.65	6.74	1.91	NA
AS-2	07/17/2003	180	80 a,f	NA	11	0.56	34	13	NA	23	NA	NA	NA	NA	8.65	6.40	2.25	NA
AS-2	10/02/2003	320	190 a	NA	8.5	6.3	24	25	NA	21	NA	NA	NA	NA	8.65	6.20	2.45	NA
AS-2	01/05/2004	210	160 a	NA	1.4	<0.50	21	1.6	NA	15	NA	NA	NA	NA	8.65	6.32	2.33	NA
AS-2	04/01/2004	200	130 a	NA	0.87	<0.50	17	<1.0	NA	18	NA	NA	NA	NA	8.65	6.15	2.50	NA
AS-3	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.75	NA	NA
AS-3	10/17/2000	3,520	942 a	NA	588	521	41.2	566	1,740	NA	NA	NA	NA	NA	NA	6.18	NA	3.1/3.0
AS-3	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-3	11/05/2001	1,600	110	NA	41	4.9	8.2	30	NA	240	NA	NA	NA	NA	NA	6.41	NA	1.1/3.2
AS-3	05/01/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.90	NA	NA
AS-3	07/16/2002	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-3	10/17/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.84	14.78	-5.94	NA
AS-3	01/21/2003	<50	320	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	8.84	11.59	-2.75	2.2/1.1
AS-3	05/01/2003	57	150 a	NA	0.53	<0.50	4.7	2.7	NA	<5.0	NA	NA	NA	NA	8.84	6.44	2.40	NA
AS-3	07/17/2003	<50	110 a,f	NA	0.83	2.1	2.4	5.4	NA	2.5	NA	NA	NA	NA	8.84	6.55	2.29	NA
AS-3	10/02/2003	<50	96 a	NA	2.9	3.9	8.4	15	NA	8.1	NA	NA	NA	NA	8.84	6.55	2.29	NA
AS-3	01/05/2004	<50	120 a	NA	<0.50	<0.50	<0.50	<1.0	NA	1.5	NA	NA	NA	NA	8.84	6.47	2.37	NA
AS-3	04/01/2004	<50	110 a	NA	<0.50	<0.50	<0.50	<1.0	NA	2.8	NA	NA	NA	NA	8.84	6.32	2.52	NA

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

bbreviations:
PPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8015.
EPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
TEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8020.
TBE = Methyl tertiary butyl ether
IPE = Di-isopropyl ether, analyzed by EPA Method 8260B
TBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
AME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
BA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
OC = Top of Casing Elevation
OB = Top of Wellbox
W = Groundwater
O = Dissolved Oxygen
g/L = Parts per billion
pm = Parts per million
SL = Mean sea level
= Feet
n = Below detection limit
) = Duplicate sample
'n = Dissolved oxygen reading; pre-purge/post-purge.
A = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH as Diesel (ug/L)	TEPH as Motor Oil	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

otes:

= Chromatogram pattern indicates an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.

= Sample was analyzed outside of EPA recommended holding time.

= Post-purge DO reading not taken.

= Lab did not record detected result.

= Change in casing elevation due to wellhead maintenance.

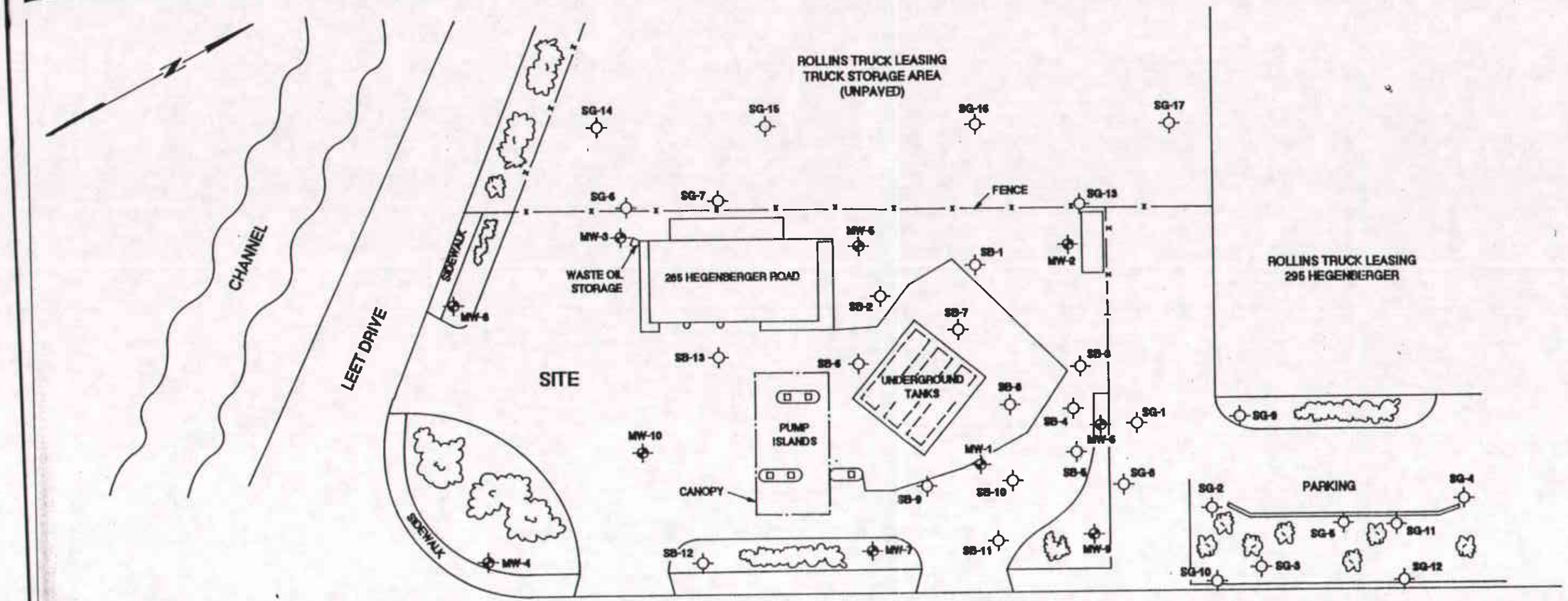
= TEPH with Silica Gel Cleanup.

All diesel and motor oil samples for this event were lost in laboratory fire.

ite surveyed (except wells MW-11 and MW-12) March 18, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

ATTACHMENT B

Available Soil Boring Logs



LEGEND

SB-1 SOIL BORING (locations approximate)

SG-1 OFF SITE SOIL BORING (locations approximate)

MW-1 GROUNDWATER MONITORING WELL

0 40 80

APPROXIMATE SCALE IN FEET

PLOT PLAN

SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Converse Environmental West

Scale	AS SHOWN
Prepared by	DEN
Checked by	
Approved by	CRC
Project No.	89-44-359-20
Date	9/24/90
Drawing No.	2

LOG OF BORING NO.1

DATE DRILLED: *2/13/89*	ELEVATION:	WL TAKEN: *None*	EQUIPMENT: *Hand Auger*

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS/FT.	DRY WEIGHT #	DRY DENSITY lb/ft³	TESTS
							0-2" ASPHALT, 2-6" BASE ROCK SP				
				damp moist	firm	brown	CLAY (Fill) CL Some sand and gravel				
	D			damp	firm to soft	black dark gray	SILTY CLAY CL/GP Some gravel	23			
				damp			SILTY SAND AND GRAVEL SP/				
5	D			wet			Fine SAND SW/GW	8			
							Bottom of Boring at 6.5 FT. Water seeping into hole				
10											
15											
20											

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SHELL OIL COMPANY
258 Hegenberger Road
Oakland, California

Project No.
88-44-359-01

Converse Environmental Consultants California

Drawing No.
A-1

LOG OF BORING NO.2

DATE DRILLED: 2/13/89	ELEVATION:	WL TAKEN: None	EQUIPMENT: Hand Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS/FT.	DRY WEIGHT #	DRY DENSITY lb/ft³	TESTS
					hard		0-2" ASPHALT, 2-12" BASE ROCK				
				slightly damp	firm	gray	SILTY AND SANDY CLAY (Fill) CL/CH Some gravel				
				moist	firm	gray	CLAYEY SAND SP/GP Some gravel. Odor of gasoline				
5	D							27			
							Bottom of Boring at 6 ft. Water in hole at 6 ft.				
10											
15											
20											

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Project No.
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Drawing No.
A-2

LOG OF BORING NO. MW-1

DATE DRILLED: 2/14/89	ELEVATION:	WL TAKEN: 2-14-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION		WELL CONSTRUCTION	TOTAL PETROLEUM HYDROCARBONS Mg/Kg	TESTS
					hard		0-2" ASPHALT, 2"-12" BASE ROCK				
				dry	firm	brown to black	SANDY SILT	ML			
							CLAYEY SAND and GRAVEL (Fill)	SP/GP			
5	D			wet	loose	gray-black	CLAYEY fine SAND (Bay Mud) Some gasoline odor	SW			
								SP			
10	D			moist	soft to medium	gray-black	CLAY (Bay Mud) No gasoline odor	CH			
15	D			slightly damp	medium	gray-black	SANDY CLAY Trace of gravel	CH/CL			
20							Bottom of Hole at 16.5 ft.				

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Project No.
88-44-359-01

Converse Environmental Consultants California

Drawing No.
A-3

LOG OF BORING NO. MW-2

DATE DRILLED: 2/15/89	ELEVATION:	WL TAKEN: 2-15-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	WELL CONSTRUCTION	TOTAL PETROLEUM HYDROCARBONS Mg/Kg	TESTS
					hard		0-2" ASPHALT; 2-6" BASEROCK			
				dry	medium dense	brown	SILTY SAND and GRAVEL (Fill) SM/GM			
				slightly damp	soft to medium	gray	SANDY CLAY (Fill) CL			
5	D			wet	soft	dark gray	CLAYEY SAND (Bay Mud) Trace of gravel SP/CL			
							SANDY CLAY (Bay Mud) CL			
10	D			moist	soft, firmer with depth	gray	CLAY (Bay Mud) CH			
15	D						SANDY CLAY			
							Bottom of Hole at 16.5 ft.			
20										

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Project No.
88-44-359-01

Drawing No.
A-4

Converse Environmental Consultants California

LOG OF BORING NO. MW-3

DATE DRILLED: 2/14/89	ELEVATION:	WL TAKEN: 2-14-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	WELL CONSTRUCTION	TOTAL PETROLEUM HYDROCARBONS mg/kg	TESTS
					hard		0-2" ASPHALT; 2-12" BASE ROCK			
				moist	medium dense	brown to black	CLAYEY SAND and GRAVEL (Fill) SP/GP			
							CH			
5	D			moist	soft	brown	SILTY SAND and GRAVEL (Fill) SW/GP			
				wet	soft	black	CLAYEY SAND (Fill) CL			
							SILTY CLAY (Bay Mud) Some fine sand			
10	D			sat.	soft, firmer with depth		CLAY (Bay Mud) CH			
15	D			moist	medium to stiff	gray-black				
20							Bottom of Hole at 16.5 ft.			

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258 Hegenberger Road
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Project No.
88-44-359-01

Drawing No.
A-5

Converse Environmental Consultants California

LOG OF BORING NO. MW-4

DATE DRILLED: 4/28/89	ELEVATION:	WL TAKEN: 4-28-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/FT.	T.P.H Mg/Kg	TESTS
				moist	medium	brown	Import Top Soil				
				moist	medium	brown	CLAYEY SAND and rock fragment (Fill) SC				
5	D			moist	medium	brown–gray	Mix SILTS and SANDS Trace dry Bay Mud ML-SM		7		
	D			very moist			Lenses and pockets silts, sand, clayey silt, trace organics		12		
				wet	loose		Lenses and layers of silts, fine sands				
	D			very moist					3		
	D				soft	light gray	BAY MUD CH		1		
10	D					dark gray	Calcareous, trace vertical organics		8		
	D				medium						
	D				stiff				20		
						gray	Calcareous SILTY CLAY CL				
15							Bottom of Hole at 14 ft.				
20											

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SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-01

Converse Environmental Consultants California

Drawing No.
A-1

LOG OF BORING NO. MW-5

DATE DRILLED: 4/27/89	ELEVATION: N/A	WL TAKEN: 4-27-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/FT.	T.P.H Mg/Kg	TESTS
				slightly moist			ASPHALT: 1-1/2", base: 6"				
					medium dense	light brown to yellow-brown	CLAYEY SAND SC Little rock fragments				
				slightly moist	stiff	gray	SILTY CLAY CL Pocket of bay mud				
				slightly moist	medium dense	brown	Fine to coarse SAND SP				
5	D						Layer coarse sand to pea gravels		23		
	D			wet			Lenses fine to medium sand		8		
				very moist	soft	gray	CLAYEY SILT ML				
	D			wet			Sand lens CLAYEY SILT Fine sandy silt		7		
	D						SILTY CLAY (Bay Mud) CH		1		
10	D					dark gray	Trace vertical organics		4		
	D						Trace of calcareous SILTY CLAY		10		
15							Bottom of Hole at 14 ft.				
20											

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SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-01

Converse Environmental Consultants California

Drawing No.
A-2

LOG OF BORING NO. MW-6

DATE DRILLED: 4/28/89	ELEVATION: N/A	WL TAKEN: 4-28-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/FT.	T.P.H Mg/Kg	TESTS
				moist	loose	brown	Import Top Soil				
				moist	loose	yellow-brown	CLAYEY SAND SC and rock fragments Trace cobble size fragments				
							Sandy clay, trace rock fragments				
	D			very moist	soft	gray	CLAYEY SILTS ML		23		
5		▽					Layer pea gravel possible floating product				
	D						Fine to medium sand		8		
							Layer coarse sand, pea gravel				
							Fine to medium SAND SP-ML		7		
	D			wet			Clayey silt, trace fine sands		1		
10							Fine sandy silts				
	D						Bay Mud, trace organics CH		4		
							Bottom of Hole at 12 ft.		10		
15											
20											

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SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-01

Converse Environmental Consultants California

Drawing No.
A-3

LOG OF BORING NO. MW-7

DATE DRILLED: 4/27/89	ELEVATION: N/A	WL TAKEN: 4-27-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION		WELL CONSTRUCTION	BLOWS/FT.	T.P.H Mg/Kg	TESTS
				very moist	stiff	brown	SILTY CLAY (Fill)	CL				
				wet	stiff		Zone of coarse size rock fragment	GP				
				very moist	stiff	black	SILTY CLAY Mix with sandy clays	CL				
						gray-brown						
	D			very moist	soft to medium	gray	SILT & SAND, SILTY CLAY Strong odor	ML-CL		5		
5	D	▼		wet			Fine SANDY SILT	ML		9		
				v. moist			Fine SANDY SILT to fine SAND Trace silt					
	D			wet		dark gray	CLAYEY SILT	ML				
				very moist to wet		brown	Bay Mud, some peat. Grades to Bay Mud	CH		2		
10	D					dark gray						
	D					gray	Calcareous SILTY CLAY Trace vertical organics	CL		10		
	D									12		
15							Bottom of Hole at 14 ft.					
20												

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Project No.
88-44-359-01

Converse Environmental Consultants California

Drawing No.
A-4

LOG OF BORING NO. MW-8

DATE DRILLED: 4/28/89	ELEVATION:	WL TAKEN: 4-28-89	EQUIPMENT: Hollow Stem Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/FT.	T.P.H Mg/Kg	TESTS
				moist	medium	brown	Import Top Soil CL Silt and Clay with fine Sand				
				moist	medium dense	yellow-brown	CLAYEY SAND SC With rock fragments (Fill)				
						brown	SANDY CLAY With rock fragments (Fill)				
	D			moist	medium dense	gray	CLAYEY SILT ML Pockets and lenses of silts, fine sands, and clayey silts		11		
5											
	D	▼		wet	loose	dk.gray	SILTY Fine SAND SM		5		
	D			wet	soft	gray	BAY MUD CH Trace organics				
10											
	D					dark gray			5		
							Bottom of Hole at 12 ft.				
15											
20											

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Drawing No.
A-5

LOG OF BORING NO. SB-A

DATE DRILLED: 5/24/89	ELEVATION:	WL TAKEN: 5/24/89	EQUIPMENT:

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS/FT.	MOISTURE CONTENT	DRY DENSITY lb/ft³	TESTS
	D			slightly moist	loose	tan	SANDY GRAVEL (Fill)	12			
				moist	medium	black	SILTY CLAY CL				
	D			very moist	loose	gray	SANDY GRAVEL GM Strong odor	16			
5		▼		wet	loose	black	SILTY CLAY and SAND CL				
							Bottom of Hole at 6 ft.				
10											
15											
20											

SHELL OIL COMPANY
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Project No.
88-44-359-02

Converse Environmental Consultants California

Drawing No.
A-6

LOG OF BORING NO. SB-B

DATE DRILLED: 5/24/89	ELEVATION:	WL TAKEN: N/A	EQUIPMENT:

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS/FT.	MOISTURE CONTENT	DRY DENSITY lb/ft³	TESTS
				moist	loose	brown	SANDY GRAVEL (Fill)				
	D				medium	black	SILTY CLAY and fine SAND CL	9			
							Odor				
	D			very moist			Gravelly clay and sand	5			
5							Bottom of Hole at 4 ft.				
10											
15											
20											

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Project No.
88-44-359-02

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Drawing No.
A-7

LOG OF BORING NO. SB-C

DATE DRILLED: 5/24/89	ELEVATION:	WL TAKEN: 5/24/89	EQUIPMENT:

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS/FT.	MOISTURE CONTENT	DRY DENSITY lb/ft³	TESTS
				very moist		black	SILTY CLAY and SAND CL				
	D					gray	SILTY fine SAND SM	13			
						black	SILTY CLAY and SAND CL Strong odor				
5		▼		wet							
	D							4			
							Bottom of Hole at 5 ft.				
10											
15											
20											

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88-44-359-02

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Drawing No.
A-8

LOG OF BORING NO. SB-6

DATE DRILLED: 7-13-89	ELEVATION:	ML TAKEN: 7-13-89	EQUIPMENT: 3-1/4"x 6" Hollow Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	BLOWS/FT.	O.V.M. (ppm)	DRY DENSITY lb/ft3	TESTS
							ASPHALT 3" CONC. SLAB. 6"				
				dry	loose	gray	GRAVEL backfill				
5							Filter fabric				
	1			wet	medium	light gray	Lenses-layers SILT and fine SAND ML Odor	9			
							Bottom of Hole at 7 ft.				
10											
15											
20											

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Project No.
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Converse Environmental Consultants California

Drawing No.
A-1

LOG OF BORING NO. SB-7

DATE DRILLED: 7-13-89	ELEVATION:	ML TAKEN: 7-13-89	EQUIPMENT: 3-1/4"x 6" Hollow Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	BLOWS/FT.	O.V.M. (ppm)	DRY DENSITY lb/ft³	TESTS
							ASPHALT 4" BASE 6"				
							GRAVEL backfill				
5		▼		wet			No odor				
							Bottom of Hole at 7 ft.				
10											
15											
20											

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88-44-359-01

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Drawing No.
A-2

LOG OF BORING NO. SB-8

DATE DRILLED: 7-13-89	ELEVATION:	ML TAKEN: 7-13-89	EQUIPMENT: 3-1/4"x 6" Hollow Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	BLOWS/FT.	O.V.M. (ppm)	DRY DENSITY lb/ft³	TESTS
							ASPHALT 2" BASE 6"				
							Mix Bay Mud, SAND SP Odor				
5	1			moist	loose	gray	Silty fine SAND trace SM shells fragments Strong odor	5	260		
				v. moist							
	2	▼		wet	loose			5	260		
							Bottom of Hole at 6.5 ft.				
10											
15											
20											

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Drawing No.
A-3

LOG OF BORING NO. SB-9

DATE DRILLED: 7-13-89	ELEVATION:	WL TAKEN: 7-13-89	EQUIPMENT: 3-1/4"x 6" Hollow Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	BLOWS/FT.	O.V.M. (ppm)	DRY DENSITY lb/ft³	TESTS
					medium dense	black brown	ASPHALT 2" BASE 6"				
				moist	medium	dark gray	Silty CLAY CL Odor				
	1			moist	loose	gray	Fine Sandy SILT ML Odor	6	280		
5				v. moist							
	2			wet	firm to stiff		Silty CLAY Bay Mud CH Slight odor Clayey SILT rootlets	8	15		
							Bottom of Hole at 7 ft.				
10											
15											
20											

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SHELL OIL COMPANY
285 Hegenberger Road
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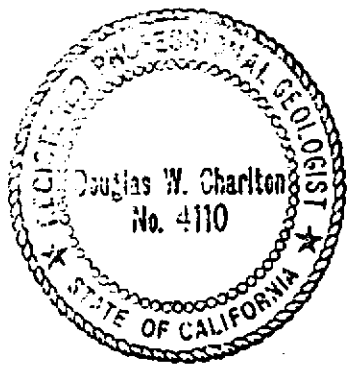
Drawing No.
A-4

LOG OF BORING NO. SB-10

DATE DRILLED: 7-13-89	ELEVATION:	ML TAKEN: 7-13-89	EQUIPMENT: 3-1/4"x 6" Hollow Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION		BLOWS/FT.	O.V.H. (ppm)	DRY DENSITY lb/ft³	TESTS
							ASPHALT 2" BASE 6"					
						gray	Silty CLAY Odor	CL		50		
						light gray	Fine SAND trace SILT	SP/SM		80		
						dark gray	Silty CLAY and Clayey SILT. Strong odor	ML/CL		500		
5	1	▽		wet			Coarse SAND and pea GRAVEL	SP/GP	7		--	
	2								11			
10							Bottom of Hole at 6.5 ft.					
15												
20												



SHELL OIL COMPANY
285 Hegenberger Road
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Project No.
88-44-359-01

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Drawing No.
A-5

LOG OF BORING NO. SB-11

DATE DRILLED: 7-13-89	ELEVATION:	ML TAKEN: 7-13-89	EQUIPMENT: 3-1/4"x 6" Hollow Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	BLOWS/FT.	O.V.M. (ppm)	DRY DENSITY lb/ft3	TESTS
							ASPHALT 2" BASE 6"				
				moist	stiff	gray	Pavement badly cracked in this area. Surface infiltration CL/CH		60		
							Silty CLAY CL/CH trace concrete rubble				
							Silty CLAY increase moisture		30		
	1			very moist	medium		Clayey SILT ML trace fine SAND Odor	6	280		
5	2	▼				black	Saturated fine SAND SP	9	30		
						gray	SILT trace fine SAND ML				
							Bottom of Hole at 7 ft.				
10											
15											
20											

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SHELL OIL COMPANY
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Drawing No.
A-6

LOG OF BORING NO. MW-9

DATE DRILLED: 7-13-89	ELEVATION:	WL TAKEN: 7-13-89	EQUIPMENT: 6-1/4"x 10" Hollow Auger

DEPTH (ft)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	CONSISTENCY	COLOR	DESCRIPTION	WELL CONSTRUCTION	BLOWS/FT.	O.V.M. (ppm)	T.P.H. (ppm)
							Crush ROCK 2" Plastic. (topsoil)				
				slightly moist to moist	medium	brown	Silty CLAY Clayey SILT ML/CL (topsoil)				
				moist	stiff	gray	Silty CLAY CL				
	1			s. moist	medium	light gray	Clayey SILT ML Strong odor		7	320	
5				moist							
	2	▼		wet		gray	Fine Sandy SILT ML		8	460	
							Silty SAND				
	3			wet		mottled gray	Bay Mud (tidial zone) CH/OH		6	112	
10	4						Trace calcareous with depth		5	40	
							Bottom of Hole at 10.5 ft.				
15											
20											

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Drawing No.
A-7

LOG OF BORING NO. SG-17

DATE DRILLED : 9/13/90	ELEVATION :	W.L TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / 6"	O.V.M. (ppm)	DRY DENSITY (lb/ft³)	TEST
							Concrete 6"				
				moist	loose	black	Sandy Silt, trace Gravel ML				
	1							3			
								3			
				v. moist to wet	loose	black	Silty Sand, some Gravel SM				
5	2							3			
								1			
							Total Depth of Boring at 6 ft				
10											
15											
20											

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88-44-359-20

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Drawing No.
A-18

LOG OF BORING NO. SG-16

DATE DRILLED: 9/13/90	ELEVATION:	W.L. TAKEN:	EQUIPMENT: Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / 6"	O.V.M. (ppm)	DRY DENSITY (lb/ft3)	TEST
							Sandy Gravel base GP				
	1			moist	soft	brown black	Clayey Silt mixed with fine Sand ML/SP	4 3			
5	2			v. moist		black	Silty Sand ML	4 3			
							Total Depth of Boring at 6 ft				

10

15

20

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Drawing No.
A-17

LOG OF BORING NO. SG-15

DATE DRILLED : 9/13/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION		BLOWS / 6"	O.V.M. (ppm)	DRY DENSITY (lb/ft³)	TEST
							Sandy Gravel base	GP				
	1			slightly moist	medium dense	brown	Fine to coarse Sand	SP	8 9			
5	2			moist	soft	black	Silty Clay	CH	4			
					medium	black	Silty Sand	SM	4			
							Total Depth of Boring at 6 ft					

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Drawing No.
A-16

LOG OF BORING NO. SG-14

DATE DRILLED : 9/13/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / 6"	O.V.M. (ppm)	DRY DENSITY (lb / ft³)	TEST
						tan	Sandy Gravel base 6"				
						brown	Coarse Gravel GP				
				moist	loose		Sandy Gravel/Gravelly Sand SP/GP				
	1							5			
								8			
5							Silty Clay CH				
	2			wet	soft	black	Sandy Silt (last 2") ML	3			
								4			
							Total Depth of Boring at 6 ft				
10											
15											
20											

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Drawing No.
A-15

LOG OF BORING NO. SG-13

DATE DRILLED : 8/7/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger/Slide Hammer Sampler

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb / ft^3)	TEST
							Top soil - Silty Sand				
	X			moist		dark gray	Clayey Silt SM				
5	X			very moist		black	Sandy Silt SM				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Project No.
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Drawing No.
A-14

LOG OF BORING NO. SG-12

DATE DRILLED: 8/7/90	ELEVATION:	W.L. TAKEN:	EQUIPMENT: Hand Auger/Slide Hammer

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb/ft³)	TEST
							Top soil - Sandy Gravel				
	X			dry		tan	Silty Sand SP/SM				
5	X			moist		black	Clayey Silt trace Sand SM				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Drawing No.
A-13

LOG OF BORING NO. SG-11

DATE DRILLED : 8/7/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb/ft³)	TEST
							Fill - Sandy Gravel				
	X			dry		brown	Fine Sands trace Silt some Gravel SP				
5	X			moist		black	Clayey Silt SM				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Drawing No.
A-12

LOG OF BORING NO. SG-10

DATE DRILLED: 8/7/90	ELEVATION:	W.L. TAKEN:	EQUIPMENT: Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb / ft³)	TEST
				dry		brown	Top soil - Sandy Gravel				
	X			moist		brown	Fine Sand. Chunk of wood SP				
5	X			moist		black	Clayey Silt trace Sand SC				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Project No.
88-44-359-20

Converse Environmental West

Drawing No.
A-11

LOG OF BORING NO. SG-9

DATE DRILLED : 8/7/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb / ft³)	TEST
						brown	Top soil - fine Sand				
				slightly moist		dark brown	Gravelly Sand some Silt trace Clay SP/SM		28		
5				moist		dark gray	Silty Sand some Clay SC		10		
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Drawing No.
A-10

LOG OF BORING NO. SG-8

DATE DRILLED: 8/7/90	ELEVATION:	W.L. TAKEN:	EQUIPMENT: Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb/ft^3)	TEST
				dry		brown	Top soil - Sandy Gravel				
	X			slightly moist		brown	Sandy Silts some Clay SM				
5	X			moist		black	Silty Sands trace Clay SP				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Drawing No.
A-9

LOG OF BORING NO. SG-7

DATE DRILLED : 8/7/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb / ft³)	TEST
				dry			Top soil - Gravelly Sand				
				moist		dark gray	Gravelly Silt some Sand and Clay SM/GM				
5				moist		black	Clay Silty Sand, trace Gravel SM/SC				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Drawing No.
A-8

LOG OF BORING NO. SG-6

DATE DRILLED : 8/6/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb / ft³)	TEST
				dry		brown	Top soil Sandy Gravel GP				
5				very moist		gray	Coarse Gravel some Sand (cuttings) Coarse Sand (angular) SP				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Drawing No.
A-7

LOG OF BORING NO. SG-5

DATE DRILLED : 8/6/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb/ft³)	TEST
							Top soil - Gravel				
	X			dry		brown	Gravelly Clay GC/CL				
5	X			moist		gray black	Silty Clay SM/CL				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Project No.
88-44-359-20

Converse Environmental West

Drawing No.
A-6

LOG OF BORING NO. SG-4

DATE DRILLED : 8/6/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb / ft³)	TEST
							Top soil, Sandy Gravel				
	X			dry		red brown	Fine Sands, trace Clay SM				
5	X			moist		black	Fine Sandy Silts SM				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

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Project No.
88-44-359-20

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Drawing No.
A-5

LOG OF BORING NO. SG-3

DATE DRILLED : 8/6/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb / ft^3)	TEST
							Planter, top soil				
	X			dry to moist		tan	Clayey Sand SC				
5	X			wet		dark gray	Silty Clay CL				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

CERTIFIED ENGINEERING GEOLOGIST
CHARLES R. COMSTOCK
No. 1010
STATE OF CALIFORNIA

Shell Oil Company
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-20

Converse Environmental West

Drawing No.
A-4

LOG OF BORING NO. SG-2

DATE DRILLED : 8/6/90	ELEVATION :	W.L. TAKEN :	EQUIPMENT : Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb/ft³)	TEST
				moist		tan gray	Top soil. Gravelly Silts and fine Sands				
							Very fine Sand grading into Silty Clay — SM/CL				
5				moist			Silty Clay — CL Silty Clay grading to Silty very fine Sand — SM				
							Total Depth of Boring at 5.5 ft - B.G.S.				
10											
15											
20											

CERTIFIED ENGINEERING GEOLOGIST
CHARLES R. COMSTOCK
No. 1010
STATE OF CALIFORNIA

Shell Oil Company
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-20

Converse Environmental West

Drawing No.
A-3

LOG OF BORING NO. SG-1

DATE DRILLED: 8/6/90	ELEVATION:	W.L. TAKEN:	EQUIPMENT: Hand Auger

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	MOISTURE	PLASTICITY	COLOR	DESCRIPTION	BLOWS / FOOT	O.V.M. (ppm)	DRY DENSITY (lb/ft³)	TEST
				dry		dark brown tan	Top soil. Gravelly Silts and fine Sands with abundant roots and other organic material				
				moist		gray	Sandy Gravelly Clay GC/CL				
5							Fine to coarse Sand SP				
				wet		black	Silty Clay (last 2") CL				
							Total Depth of Boring at 6 ft - B.G.S.				
10											
15											
20											

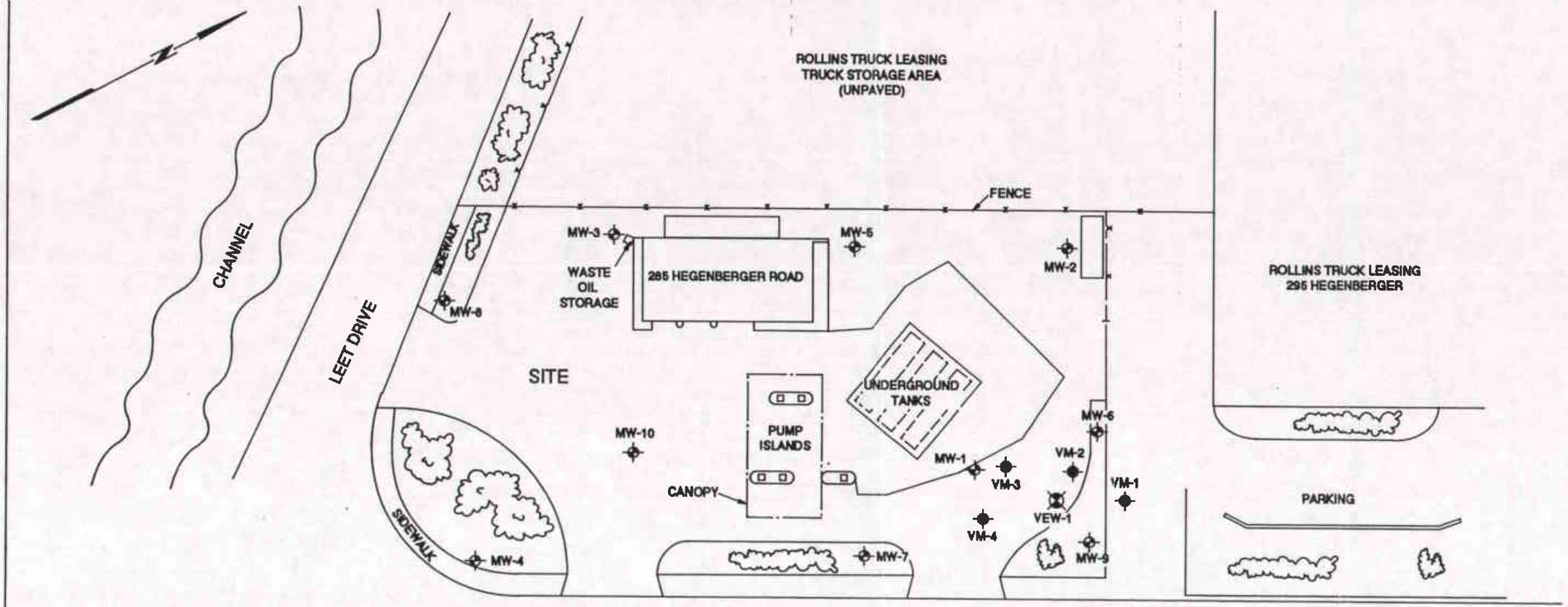
CERTIFIED ENGINEERING GEOLOGIST
CHARLES R. COMSTOCK
No. 1010
STATE OF CALIFORNIA

Shell Oil Company
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-20

Converse Environmental West

Drawing No.
A-2



LEGEND

MW-1 GROUNDWATER MONITORING WELL

VM-3 VAPOR MONITORING POINT

VEW-1 VAPOR EXTRACTION WELL

0 40 80

APPROXIMATE SCALE IN FEET

VAPOR EXTRACTION WELL & MONITORING POINT LOCATIONS

SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Converse Environmental West

Scale	AS SHOWN
Project No.	89-44-359-20
Prepared by	TNW
Date	1/29/92
Checked by	JFK
Drawing No.	2
Approved by	PAF

LOG OF BORING NO. VEW-1

Start: *11/21/91* Completion: *11/21/91* Water Measure: *N/A*	Geologist: *P. A. Fuller* Assistant Geol.: *N/A* Drilling Co.: *Kvilhaug*	Driller/Helper: Drilling Method: *Hand Auger* Auger/Bit Dia.:

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION		MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Asphalt and Base						
					Silty Clay	CL	slightly moist		gray/black		
					Sandy Clay	CL	moist		gray/black		
5					Clayey pebbly Sand	SC	very moist		black		
					Total Depth of Boring: 7 ft. Casing: Blank 4" ID Sch. 40 PVC Screen: Slotted 4" ID Sch. 40 PVC, 0.020" slots Filter Pack: 2/12 sand						
10											
15											
20											

REGISTERED GEOLOGIST
GERARD L. SLATTERY
No. 5039
STATE OF CALIFORNIA

SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-20

Converse Environmental West

Drawing No.
A-2

LOG OF BORING NO. VM-2

Start: *11/21/91* Completion: *11/21/91* Water Measure: *N/A*	Geologist: *P. A. Fuller* Assistant Geol.: *N/A* Drilling Co.: *Kvilhaug*	Driller/Helper: Drilling Method: *Hand Auger* Auger/Bit Dia.:

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION		MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Asphalt and Base						
					Silty Clay	CL	slightly moist		gray/black		
					Medium Sand	SP	very moist		gray/black		
5		▽			Clayey fine Sand	SC	very moist		black		
					Total Depth of Boring: 7 ft. Casing: Blank 1" ID Sch. 40 PVC Screen: Slotted 1" ID Sch. 40 PVC, 0.020" slots Filter Pack: 2/12 sand						
10											
15											
20											

REGISTERED GEOLOGIST
GERARD L. SLATTERY
No. 5038
STATE OF CALIFORNIA

SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-20

Drawing No.
A-3

Converse Environmental West

LOG OF BORING NO. VM-3

Start: *11/21/91* Completion: *11/21/91* Water Measure: *N/A*	Geologist: *P. A. Fuller* Assistant Geol.: *N/A* Drilling Co.: *Kvilhaug*	Driller/Helper: Drilling Method: *Hand Auger* Auger/Bit Dia.:

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION		MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Asphalt and Base						
					Silty Clay	CL	slightly moist		gray green		
					Fine Sand	SW			black		
5					Clayey fine Sand	SC	very moist		gray		
					Total Depth of Boring: 7 ft. Casing: Blank 1" ID Sch. 40 PVC Screen: Slotted 1" ID Sch. 40 PVC, 0.020" slots Filter Pack: 2/12 sand						
10											
15											
20											

REGISTERED GEOLOGIST
GERARD L. SLATTERY
No. 5038
STATE OF CALIFORNIA

SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-20

Drawing No.
A-4

Converse Environmental West

LOG OF BORING NO. VM-4

Start: *11/21/91* Completion: *11/21/91* Water Measure: *N/A*	Geologist: *P. A. Fuller* Assistant Geol.: *N/A* Drilling Co.: *Kvilhaug*	Driller/Helper: Drilling Method: *Hand Auger* Auger/Bit Dia.:

DEPTH (FT)	SAMPLE	WATER LEVEL	SYMBOL	WELL CONSTRUCT.	DESCRIPTION		MOISTURE	SOIL CONSISTENCY OR ROCK HARDNESS	COLOR	BLOWS / 6"	PERCENT RECOVERY
					Asphalt and Base						
					Silty Clay, some organics	CL	slightly moist		black		
					Clay with organics	CL	moist		black		
5		▽			Sandy Clay	CL	very moist		black		
					Total Depth of Boring: 7 ft. Casing: Blank 1" ID Sch. 40 PVC Screen: Slotted 1" ID Sch. 40 PVC, 0.020" slots Filter Pack: 2/12 sand						
10											
15											
20											

REGISTERED GEOLOGIST
GERARD L. SLATTERY
No. 5038
STATE OF CALIFORNIA

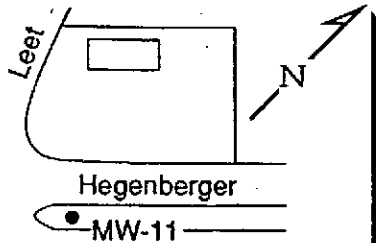
SHELL OIL COMPANY
285 Hegenberger Road
Oakland, California

Project No.
88-44-359-20

Converse Environmental West

Drawing No.
A-5

LOCATION MAP



NORTHING 847.72 | EASTING 998.93 | ELEVATION 10.56TOC

PACIFIC ENVIRONMENTAL GROUP, INC.

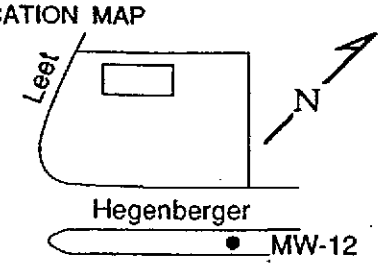
WELL NO. MW-11
PAGE 1 OF 1

PROJECT NO. 305-79.01
LOGGED BY: CM
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12

CLIENT: SHELL
DATE DRILLED: 6-8-93
LOCATION: 285 Hegenberger Rd.
HOLE DIAMETER: 10"
HOLE DEPTH: 15.5'
WELL DIAMETER: 4"
WELL DEPTH: 14'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	SOIL TYPE	LITHOLOGY / REMARKS
GROUT				1	SM	SILTY SAND
					GM	SANDY GRAVEL - FILL: strong brown; angular large chunks of brick and rock; some rusted metal.
				2		
				3		
				4	SM	SILTY SAND: dark brown; 25-30% silt; fine to medium sand; no product odor.
	Mst	2	13 25	5	SC	CLAYEY SAND: dark brown; 20-25% clay; fine sand.
BENTONITE				6	CH	CLAY: black; high plasticity; mottled with grey patches; very stiff; no product odor.
SAND				7		
				8		
				9		
	Sat	2	2 5	10		@10': grey to black; high plasticity; large 3-5 mm open rootholes and cracks filled with water; iron oxide stain along fractures; reeds and roots; firm; no product odor.
				11		
				12		
				13		
	Sat	0	3 11	14		@14': dark grey; high plasticity; water filled rootholes; roots; stiff; no product odor.
				15		
				16		BOTTOM OF BORING AT 15.5'
				17		
				18		
				19		
				20		
				21		
				22		

LOCATION MAP



NORTHING	EASTING	ELEVATION
995.66	1088.10	9.56TOC

PACIFIC ENVIRONMENTAL GROUP, INC.

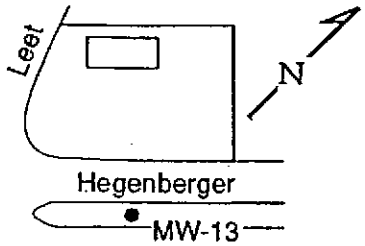
WELL NO. MW-12
PAGE 1 OF 1

PROJECT NO. 305-79.01
LOGGED BY: CM
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12

CLIENT: SHELL
DATE DRILLED: 6-8-93
LOCATION: 285 Hegenberger Rd.
HOLE DIAMETER: 10"
HOLE DEPTH: 15.5'
WELL DIAMETER: 4"
WELL DEPTH: 15'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT				1			SM	SILTY SAND
	Dp			2			GM	SANDY GRAVEL - FILL: large angular chuncks of iron oxide stained chert.
				3				
	Mst	3	P	4			ML	CLAYEY SILT: sandy; dark greyish brown; 20-25% clay; 15-20% very fine sand; iron oxide staining along tiny roots; no product odor.
				5				
BENTONITE				6				
				7				
				8			CH	CLAY: black; high plasticity; roots; rootholes; rootholes filled with water; soft; no product odor.
SAND	Sat	4	3	9				
			2	10				
				11				
				12				
				13				
				14				@12.5': greenish grey; high plasticity; 0-5% silt; calcite nodules; roots and water filled rootholes; stiff; no product odor.
	Sat	0	9	15				
			10	16				
				17				BOTTOM OF BORING AT 15.5'
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



NORTHING 914.88 | EASTING 1039.19 | ELEVATION 10.10TOC

PACIFIC ENVIRONMENTAL GROUP, INC.

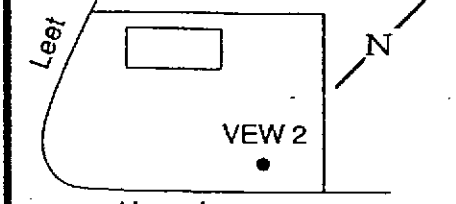
WELL NO. MW-13
PAGE 1 OF 1

PROJECT NO. 305-79.01
LOGGED BY: CM
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12

CLIENT: SHELL
DATE DRILLED: 6-10-93
LOCATION: 285 Hegenberger Rd.
HOLE DIAMETER: 10"
HOLE DEPTH: 15.5'
WELL DIAMETER: 4"
WELL DEPTH: 15'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	SOIL TYPE	LITHOLOGY / REMARKS
GROUT				1	SM	SILTY SAND
				2	GW	SANDY GRAVEL - FILL: large angular chuncks of iron oxide stained chert; no product odor.
				3		
				4	SC	CLAYEY SAND: silty; olive brown; 30-35% clay; 20-25% silt; very fine sand; roots; loose; no product odor.
				5		
	Mst	0	8 4	6		
BENTONITE				7		
				8		
				9	CL	CLAY: dark greyish brown; moderate plasticity; 10-15% silt; iron oxide stain along roots; no product odor.
	Mst	0	3 3	10	CH	CLAY: black; high plasticity; roots; odor of decaying organics; firm; no product odor.
				11		
				12		
				13		
				14		
SAND	Mst	0	8 6	15		CLAY: dark greenish grey; high plasticity; calcite nodules and caliche; roots; stiff; no product odor.
				16		BOTTOM OF BORING AT 15.5'
				17		
				18		
				19		
				20		
				21		
				22		

LOCATION MAP



NORTHING EASTING ELEVATION

CIFIC ENVIRONMENTAL GROU NC.

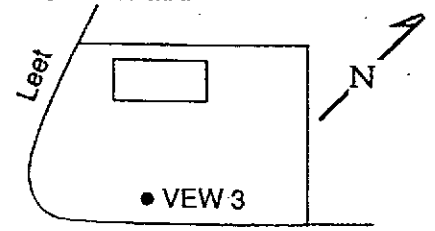
WELL NO. VEW 2
PAGE 1 OF 1

PROJECT NO. 305-79.01
LOGGED BY: CM
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12

CLIENT: SHELL
DATE DRILLED: 6-9-93
LOCATION: 285 Hegenberger Rd
HOLE DIAMETER: 10"
HOLE DEPTH: 8.5'
WELL DIAMETER: 2"
WELL DEPTH: 8.5' and 6.5'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT	Dp			1			SC	ASPHALT 2" CLAYEY SAND - FILL: gravelly; strong brown; 20-25% clay; fine to coarse sand; 15-20% angular gravel.
	Mst			2			CL	CLAY: dark greenish grey to black; moderate plasticity; moderate product odor becoming strong product odor at 3 feet; roots.
SAND	Wet	100	5 4	3 4 5			SM	SILTY SAND: dark grey; 30-35% silt; very fine sand; roots; loose; strong product odor.
	Mst			6			CH	CLAY: black; high plasticity; roots; strong product odor.
SAND	Sat	80	1 4	7 8			ML	CLAYEY SILT: with sand lenses; dark grey to black; moderate plasticity; horizontal laminae; roots; sand lenses of fine to medium sand up to 2 inches thick; soft; strong product odor.
BENTONITE				9			CL	CLAY: dark grey; moderate plasticity; moderate product odor.
				10 11 12 13 14 15 16 17 18 19 20 21 22				BOTTOM OF BORING AT 8.5'

LOCATION MAP



NORTHING EASTING ELEVATION

ACIFIC ENVIRONMENTAL GRO , INC.

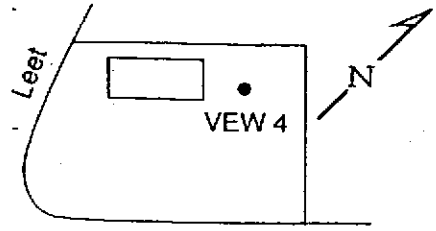
WELL NO. VEW 3
PAGE 1 OF 1

PROJECT NO. 305-79.01
LOGGED BY: CM
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12

CLIENT: SHELL
DATE DRILLED: 6-10-93
LOCATION: 285 Hegenberger Road
HOLE DIAMETER: 10"
HOLE DEPTH: 10'
WELL DIAMETER: 2"
WELL DEPTH: 8.5' and 6'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT				1			GW	ASPHALT 2" SANDY GRAVEL - FILL: strong brown.
	Mst			2			CL	SILTY CLAY: black; moderate plasticity; 20-25% silt; roots; no product odor.
				3				
SAND				4			CH	CLAY: black; high plasticity; roots; stiff; strong product odor.
	Mst	120	8 6	5				
				6				
				7			SM	SILTY SAND: dark blue grey; 5-10% clay; 15-20% silt; very fine sand; roots; separate phase hydrocarbon sheen along roots; soft; strong product odor.
	Sat	80	2 2	8				
SAND				9			CH	CLAY: dark greenish grey to black; high plasticity; abundant roots; at 9.5'; 3-4" thick peat horizon; soft; moderate product odor.
	Mst	15	3 2	10				
BENTONITE				11				
				12				BOTTOM OF BORING AT 10'
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



NORTHING EASTING ELEVATION

ACIFIC ENVIRONMENTAL GROU INC.

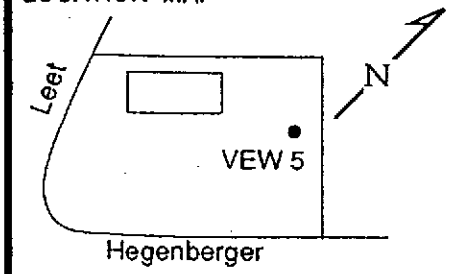
WELL NO. VEW 4
PAGE 1 OF 1

PROJECT NO. 305-79.01
LOGGED BY: CM
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12

CLIENT: SHELL
DATE DRILLED: 6-9-93
LOCATION: 285 Hegenberger Rd.
HOLE DIAMETER: 10"
HOLE DEPTH: 9.5'
WELL DIAMETER: 2"
WELL DEPTH: 9' and 6.5'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
GROUT				1			SC	ASPHALT 2" CLAYEY SAND - FILL: gravelly; strong brown; 25-30% clay; fine to medium sand; 15-20% gravel; no product odor.
				2				
				3			CL	CLAY: dark grey to black; moderate plasticity; faint product odor.
				4			CL/ SW	SILTY SAND with CLAY: (interbedded); silty sand: dark grey; 15-20% silt; fine to medium sand; faint product odor; clay: dark grey; moderate plasticity; some rootlets; very stiff; faint product odor.
SAND	Wet	14	12 12	5				
				6				
	Sat	7	7 4	7				@7.5': firm; faint product odor.
				8				
SAND	Sat	0	8 4	9			SM ML	SILTY SAND: dark grey; 15-20% silt; very fine sand; faint to no product odor. CLAYEY SILT: dark grey; 25-30% clay; 10-15% very fine sand; firm; faint to no product odor.
BENTONITE				10				
				11				
				12				BOTTOM OF BORING AT 9.5'
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

LOCATION MAP



NORTHING EASTING ELEVATION

PACIFIC ENVIRONMENTAL GROUP, INC.

WELL NO. VEW 5
PAGE 1 OF 1

PROJECT NO. 305-79.01
LOGGED BY: CM
DRILLER: GREGG
DRILLING METHOD: HSA
SAMPLING METHOD: CAL MOD
CASING TYPE: Sch 40 PVC
SLOT SIZE: 0.020"
GRAVEL PACK: 2X12

CLIENT: SHELL
DATE DRILLED: 6-9-93
LOCATION: 285 Hegenberger Rd.
HOLE DIAMETER: 10"
HOLE DEPTH: 9'
WELL DIAMETER: 2"
WELL DEPTH: 8.5' and 6.5'
CASING STICKUP: NA

WELL COMPLETION	MOISTURE CONTENT	PID	PENETRATION (BLOWS/FT)	DEPTH (FEET)	RECOVERY / SAMPLE INTERVAL	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
								Note: 1st hole had 2 1" pipes and 1.5'. Broke one line but it appears abandoned.
GROUT				1			SW	ASPHALT 2" GRAVELLY SAND - FILL: clayey; strong brown; 20-25% clay; 25-30% large angular rocks; no product odor.
				2			CL	CLAY: mottled grey and brown; moderate plasticity; 5-10% fine to medium sand; staining (grey) and moderate to strong product odor begins at 3.5'.
				3				
SAND	Sat	150	9 8	4			CH/ SW	CLAY and SAND: (interbedded); clay: dark greenish grey; high plasticity; strong product odor; sand: dark greenish grey; 5-10% silt; fine to medium sand; stiff; strong product odor.
				5				
				6				
				7				
	Sat	30	2 2	8				
SAND				9			CH	CLAY: soft; moderate to faint product odor.
BENTONITE				10				BOTTOM OF BORING AT 9'
				11				
				12				
				13				
				14				
				15				
				16				
				17				
				18				
				19				
				20				
				21				
				22				

Cambria Environmental Technology, Inc.
1144 - 65th St.
Oakland, CA 94608
Telephone: (510) 420-0700
Fax: (510) 420-9170

BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	Oakland 285	**DRILLING STARTED**	18-Mar-99
LOCATION	285 Hegenberger Road, Oakland, California	**DRILLING COMPLETED**	18-Mar-99
PROJECT NUMBER	241-0734	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Paves	**DEPTH TO WATER (First Encountered)**	6.0 ft (18-Mar-99) ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 9.5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	BORING BACKFILL
		SB-1 -5.5'		5	SC		Gravelly Clayey SAND; (SC); brown; 20% clay, 10% silt, 50% sand, 20% gravel; low plasticity; high estimated permeability. @ 5' - wet. ▽	7.0	Portland Type I/II
		SB-1 -10.0'		10	CL		Sandy CLAY; (CL); green to brown; wet; 50% clay, 10% silt, 30% sand, 10% gravel; medium plasticity; low estimated permeability.	11.5	Bottom of Boring @ 11.5 ft

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Cambria Environmental Technology, Inc.
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Oakland, CA 94608
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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SB-2
JOB/SITE NAME	Oakland 285	**DRILLING STARTED**	18-Mar-99
LOCATION	285 Hegenberger Road, Oakland, California	**DRILLING COMPLETED**	18-Mar-99
PROJECT NUMBER	241-0734	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Paves	**DEPTH TO WATER (First Encountered)**	5.0 ft (18-Mar-99)
REVIEWED BY		**DEPTH TO WATER (Static)**	6.50 ft
REMARKS	Hand augered to 6' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	BORING BACKFILL
							ASPHALT.	0.5	Portland Type I/II
							SAND; (FILL); brown. @ 1' - Silty SAND (FILL).	3.0	
					SP		**Gravelly SAND**; (SP); greenish brown; moist; 10% clay, 10% silt, 50% sand, 30% gravel; low plasticity; high estimated permeability.	3.5	
					CL		**Gravelly Sandy CLAY**; (CL); greenish brown; moist; 50% clay, 10% silt, 20% sand, 20% gravel; medium plasticity; moderate estimated permeability.	5.0	
		SB-2 -6.0'		5	SP		**Gravelly Silty SAND**; (SP); dark brown; wet; 10% clay, 20% silt, 50% sand, 20% gravel; low plasticity; high estimated permeability.	7.5	
		SB-2 -7.5'			SP		**Gravelly SAND**; (SP); light brown; wet; 10% clay, 10% silt; 50% sand, 30% gravel; low plasticity; high estimated permeability.	9.5	
		SB-2 -10.0'		10	CH		**Silty CLAY**; (CH); gray; moist; 60% clay, 30% silt, 10% sand; high plasticity; low estimated permeability.	12.0	
		SB-2 -11.5'					No Recovery.		
				15				15.0	Bottom of Boring @ 15 ft

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BORING/WELL LOG

CLIENT NAME	Equiva Services LLC	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	Oakland 285	**DRILLING STARTED**	18-Mar-99
LOCATION	285 Hegenberger Road, Oakland, California	**DRILLING COMPLETED**	18-Mar-99
PROJECT NUMBER	241-0734	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hydraulic push	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	2"	**SCREENED INTERVAL**	NA
LOGGED BY	M. Paves	**DEPTH TO WATER (First Encountered)**	6.0 ft (18-Mar-99) ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 5' bgs.		

TPHg (mg/kg)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	BORING BACKFILL
							ASPHALT.	0.4	
							Sandy FILL; (FILL); dry; light brown.		
							@ 2' - green; 10% clay, 10% silt, 50% sand, 30% gravel; low plasticity; high estimated permeability.	3.5	
					GP		**Sandy GRAVEL**; (GP); dry; 10% silt, 30% sand, 60% gravel; low plasticity; high estimated permeability.	5.0	
				5			No recovery. ▽	6.0	
					SP		**Gravelly SAND**; (GP); green; wet; 5% clay, 10% silt, 50% sand, 35% gravel; low plasticity; high estimated permeability.	7.3	
		SB-3 -7.0'			CL		**Sandy Gravelly CLAY**; (CL); greenish gray; wet; 50% clay, 10% silt, 20% sand, 20% gravel; medium plasticity; moderate estimated permeability.	8.8	◄ Portland Type I/II
		SB-3 -8.5'			SP		**Gravelly SAND**; (SP); wet.	10.3	
		SB-3 -10.0'		10	CL		**Silty Sandy CLAY**; (CL); greenish gray; wet; 50% clay, 20% silt, 20% sand, 10% gravel; medium plasticity; moderate estimated permeability.	11.0	
		SB-3 -11.0'			CH		**Silty CLAY**; (CL); gray; stiff; moist; 60% clay, 30% silt, 10% sand; high plasticity; low estimated permeability.	14.0	
		SB-3 -14.5'		15	CL		**Gravelly Sandy CLAY**; (CL); brownish gray; moist; 50% clay, 30% sand, 20% gravel; low plasticity; low to moderate estimated permeability.	16.0	
		SB-3 -16.5'			CH		**Silty CLAY**; (CH); green brown; moist; 60% clay, 30% silt, 10% sand; high plasticity; low estimated permeability.	17.0	Bottom of Boring @ 17 ft

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