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ExxonMobil
Refining & Supply

August 23, 2005

Ms. Jo Bentz
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard
Santa Rosa, California 95403

RE: Former Exxon RAS #7-0277/1101 Yulupa Avenue, Santa Rosa, California.

Dear Ms. Bentz:

Attached for your review and comment is a copy of the letter report entitled ***Additional Site Assessment Report,*** dated August 23, 2005, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details well installation and assessment activities at the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Additional Site Assessment Report, dated August 23, 2005.

cc: w/ attachment
Mr. Paul Lowenthal, City of Santa Rosa Fire Department
Mr. Joseph A. Aldridge, Valero Energy Corporation

w/o attachment
Mr. James F. Chappell, Environmental Resolutions, Inc.

ERI

ENVIRONMENTAL RESOLUTIONS, INC.

August 23, 2005
ERI 210103.R19

Ms. Jennifer Sedlachek
ExxonMobil Refining & Supply – Global Remediation
4096 Piedmont Avenue #194
Oakland, California 94611

Subject: Additional Site Assessment Report, Former Exxon Service Station 7-0277, 1101 Yulupa Avenue, Santa Rosa, California.
Case No. 1TSR013

Ms. Sedlachek:

At the request of Exxon Mobil Corporation (Exxon Mobil), Environmental Resolutions, Inc. (ERI) performed environmental activities at the site. The activities included advancing seven cone penetration test (CPT) soil borings (CPT1 through CPT5, CPT2A, and CPT5A); advancing five direct-push (DP) borings (Hydropunch®, Geoprobe®, or similar) (DP1 through DP5); installing one on-site and six off-site groundwater monitoring wells (MW5C and MW20A, MW20C, MW21A, MW21B, MW21C and MW22, respectively); and developing and sampling of the newly installed wells.

The purpose of advancing the CPT borings and DP borings was to provide information on the depths of the upper, intermediate, and lower water-bearing zones; the vertical and horizontal limits of benzene and methyl tertiary butyl ether (MTBE) in groundwater; and for monitoring well placement. The purpose of the groundwater monitoring well installation was to provide permanent monitoring points downgradient of the site to evaluate concentrations of dissolved hydrocarbons in groundwater, and to evaluate the groundwater flow direction and hydraulic gradient.

The fieldwork was performed in accordance with ERI's *Work Plan for Additional Site Assessment,* dated November 25, 2003, and ERI's *Addendum to Work Plan for Additional Site Assessment,* dated May 11, 2004. The California Regional Water Quality Control Board, North Coast Region (the Regional Board) approved the Work Plan in a letter dated May 17, 2004 (Attachment A).

SITE LOCATION AND LAND USE

The site is located on the southwestern corner of Yulupa Avenue and Princeton Avenue in Santa Rosa, California, as shown on the Site Vicinity Map (Plate 1). Currently the site operates as a Valero Service Station. The service Station lease was transferred to Valero Refining Company in June 2000. The locations of the underground storage tanks (USTs), dispenser islands, groundwater monitoring wells, and other select site features are shown on the Generalized Site Plan (Plate 2).

SITE HISTORY

Ongoing environmental investigations have been conducted at the site since 1986. Texaco directed the investigation until 1998 when ExxonMobil assumed environmental responsibility for the site.

July 1986 — Petroleum Engineering removed three 10,000-gallon gasoline USTs and one 550-gallon used-oil UST. After the UST removal, four observation wells (MW1 through MW4) and four new 10,000-gallon gasoline USTs and one 550-gallon used-oil UST were installed in the existing UST excavation.

December 1986	Groundwater Technology, Inc. (GTI) drilled three soil borings and completed the borings as three groundwater monitoring wells (MW5, MW6, and MW7).
June 1987	GTI installed three groundwater monitoring wells (MW8, MW9, and MW10).
April 1988	GTI installed three groundwater monitoring wells (MW11, MW12, and MW13).
December 1989	GTI installed four groundwater monitoring wells (MW14, MW15, MW16, and MW17)
June 1990	GTI installed groundwater recovery well RW1.
December 1991	Secor International, Inc. (SECOR) installed groundwater recovery well RW2.
August 1993	SECOR installed groundwater monitoring well MW18.
February 1994	GTI installed and operated a groundwater extraction system (GES). GTI reported an average pumping rate of approximately 4 gallons per minute (gpm).
August 1996	The remediation system was shut down due to decreased source removal rates (GTI 1997). Approximately 2 million gallons of groundwater were extracted and treated over the 2.5 years the system was operational.
November 1996	GTI installed groundwater monitoring well MW19.
February 1997	Monitoring well MW14 was destroyed.
1998	ExxonMobil takes over the environmental investigation from Texaco.
July 1998	ERI installed one dual completion air sparge/soil vapor extraction (AS/SVE) well (AS/SVE1) at the site.
August 1998	ERI performed AS/SVE and groundwater extraction feasibility testing.
September 1999	ERI submitted a Corrective Action Plan (CAP) recommending remediation by AS/SVE and groundwater extraction.
2000-2001	ERI designs, permits, and installs an AS/SVE and groundwater extraction remediation system.
March 2001	ERI performs a sensitive receptor survey (SRS). The SRS identifies two active private domestic wells at 3725 Mayette Avenue and 1175 Harvard Drive within 1,000 feet of the site.
May 2001	ERI begins operation of the AS/SVE system. The GES is not started because Exxon Mobil is unable to obtain a discharge permit.
December 2002	ERI receives an approved discharge permit.
January 2003	ERI begins operation of the GES.
February 2003	Methyl tertiary butyl ether (MTBE) is detected in groundwater samples collected from the private domestic well at 3725 Mayette Avenue.
March 2003	ERI terminates operation of the GES due to the detection of tertiary butyl alcohol (TBA) in influent remediation system water samples at 14 micrograms per liter (ug/L). The

treatment system was not capable of reducing TBA to the NPDES discharge limit of 5 ug/l.

September 2004 ERI initiates operation of a wellhead treatment system on the domestic water well at 3725 Mayette Avenue.

March 2005 ERI initiated operation of the GES with the discharge directed to the sanitary sewer system.

ERI currently performs quarterly groundwater monitoring and sampling of the monitoring wells and the domestic well head treatment system at 3725 Mayette Avenue (W-3725). Cumulative groundwater monitoring and sampling data are summarized in Tables 1A and 1B. Well construction details are summarized in Table 2. ERI operates and maintains an on-site AS/SVE and GES remediation system along with the domestic wellhead treatment system at 3725 Mayette Avenue.

SITE GEOLOGY

The site is located on the eastern edge of the Santa Rosa Plain, at an elevation of approximately 205 feet above mean sea level. The site is underlain primarily by silty and sandy clay, with relatively thin, and apparently discontinuous, layers of gravelly clay, silt, sand, and gravel. The upper water-bearing zone is at a depth of approximately 8 to 18 feet below ground surface (bgs). The maximum depth of exploration is approximately 65 feet bgs.

SITE HYDROGEOLOGY

Groundwater monitoring and sampling data have been collected at the site since 1986. Historical and recent monitoring data are summarized in Tables 1A and 1B. Based on quarterly monitoring and sampling data, groundwater levels have fluctuated between 6 and 15 feet bgs at the site.

Three water-bearing zones, the upper zone, the intermediate zone, and the lower zone, have been identified at the site. The historical groundwater flow direction in the upper zone is predominantly towards the north-northwest, as shown on the Groundwater Flow Direction Rose Diagram (Plate 3). Based on groundwater elevations obtained during the January 10, 2005 groundwater monitoring and sampling event, groundwater in the upper zone flows towards the northwest at a hydraulic gradient of approximately 0.011 (Plate 4), and groundwater in the lower zone flows towards the west at a hydraulic gradient of approximately 0.008 (Plate 5).

CONSTITUENT DISTRIBUTION

Soil

Diesel-range hydrocarbons (TPHd); total petroleum hydrocarbons as gasoline (TPHg); benzene, toluene, ethylbenzene, total xylenes (BTEX); and MTBE have been detected in soil samples collected from the site. Based on the results of previous investigations, hydrocarbon-impacted soils exist within the vadose zone approximately 8 feet bgs to static groundwater (6 to 15 feet bgs) (Table 3). Soil samples collected below the groundwater level (approximately 6 to 15 feet bgs) report positive results, but ERI considers these soil samples not representative of soil conditions, because they were collected from saturated zones.

Groundwater

Total petroleum hydrocarbons as diesel, TPHg, benzene, MTBE, and TBA have been detected in groundwater samples collected from the site. Historically the maximum concentrations of petroleum hydrocarbons have been detected in groundwater samples collected from monitoring well MW7, adjacent to the USTs. MTBE and benzene have been detected at a maximum of 46.6 ug/l and 1.5 ug/l

respectively in water samples collected from the private domestic well at 3725 Mayette Avenue, approximately 220 feet west of the site.

SUBSURFACE INVESTIGATION

The CPT and DP soil boring and monitoring well locations were selected to further define the lateral and vertical extent of benzene and MTBE in groundwater downgradient of the USTs. The fieldwork was performed in accordance with ERI's *Work Plan for Additional Site Assessment,* dated November 25, 2003; ERI's *Addendum to Work Plan for Additional Site Assessment,* dated May 11, 2004; and ERI's standard field protocol (Attachment B), and a site-specific health and safety plan. Copies of permits are included in Attachment C.

Cone Penetration Test Soil Borings

On July 13 through July 15, 2004, ERI observed Gregg Drilling, Inc. (Gregg) advance seven CPT borings (CPT1 through CPT5, CPT2A, and CPT5A). The borings were advanced with a CPT tool to evaluate sediment composition. All borings were advanced until encountering refusal. A 20-ton CPT drilling rig met with refusal at 26 feet bgs in boring CPT5 and at 59 feet bgs in boring CPT2. A 25-ton CPT drilling rig was used on subsequent days to maximize the exploration depth. Borings CPT2A and CPT5A were drilled adjacent to boring CPT2 and CPT5. The 25-ton CPT drilling rig met refusal at 27 feet bgs in boring CPT5A, 59 feet bgs in boring CPT2A, 78 feet bgs in boring CPT4, 85 feet bgs in boring CPT3, and 74 feet bgs in boring CPT1. The boring locations are shown on Plate 2. Water sample results and the CPT logs are presented in Attachment D.

During the advancement of boring CPT1, pore pressure dissipation tests were performed at depths of 24, 38, and 64 feet bgs.

Following advancement of the CPT borings, the borings were grouted from the bottom of the borehole to ground surface with neat cement using a tremie pipe.

Direct-Push Soil Borings

Adjacent to each CPT boring (within approximately 3 feet), ERI observed the advancement of five DP soil borings to collect soil and water samples and to calibrate the results from the CPT borings. ERI attempted to collect groundwater samples at first-encountered groundwater and from coarse-grained sediment layers, as identified by CPT data. The CPT rig was used to advance borings DP1, DP3, and DP4. A standard DP drilling rig was used to advance borings DP2, and DP5. The CPT rig, equipped with a piston-type sampler, was used to collect soil samples and stainless steel bailers were used to collect groundwater samples. The DP drilling rig, equipped with a split-spoon sampler, was used to collect soil samples and disposable polyethylene bailers were used to collect groundwater samples.

On July 15 and July 16, 2004, ERI observed Gregg advance borings DP1, DP3, and DP4. On July 19, 2004, ERI observed Woodward Drilling, Inc. (Woodward), of Rio Vista, advance boring DP2 using a Hydropunch® discrete groundwater sampling device. On August 11, 2004, ERI observed Gregg advance boring DP5 using Hydropunch® discrete groundwater-sampling device. Details of sample collection and attempts are listed below:

Soil Sampling Attempts

- DP3 – 45 to 46 feet bgs, sample recovery insufficient.

Soil Samples Collected for Visual Inspection

- DP1 – 23 to 24 feet bgs, 34 to 35 feet bgs, and 61 to 62 feet bgs.
- DP2 – 12 and 15 feet bgs.
- DP3 – 27 to 28 feet bgs, 56 to 57 feet bgs, and 80 to 81 feet bgs.

- DP4 – 15 to 16 feet bgs, 26 to 27 feet bgs, 52 to 53 feet bgs, and 72 to 73 feet bgs.
- DP5 – Soil samples were not collected.

Groundwater Sampling Attempts

- DP2 – 30-foot sample interval was dry.

Groundwater Sample Collection

- DP1 – 26 feet bgs, 40 feet bgs, and 64 feet bgs.
- DP2 – 17 feet bgs and 52 feet bgs.
- DP3 – 30 feet bgs, 48 feet bgs, 59 feet bgs, and 81 feet bgs.
- DP4 – 18 feet bgs, 29 feet bgs, 55 feet bgs, and 77 feet bgs.
- DP5 – 14 feet bgs, 30 feet bgs, and 39.5 feet bgs.

Following advancement of the DP borings, the driller grouted the DP borings from the bottom of the borehole to ground surface with neat cement using a tremie pipe. The DP boring locations are shown on the Generalized Site Plan (Plate 2).

Well Installation

Based on the data collected from the CPT and DP borings, ERI installed seven groundwater monitoring wells. The monitoring well locations were reviewed by the Regional Board prior to installation. The monitoring well locations were selected to further define the vertical and horizontal extent of MTBE and benzene in groundwater downgradient of the site. Conductor casing was installed in four of the monitoring wells, which were completed into the intermediate and lower water-bearing zones.

On November 15 through November 17, 2004, ERI observed Woodward, advance four 15-inch diameter soil borings (MW5C, MW20C, MW21B, and MW21C) using a hollow-stem auger drill-rig. Steel conductor casings (8 5/8-inch diameter) were installed to 30 feet bgs in borings MW5C, MW20C, and MW21C, and to 25 feet bgs in boring MW21B. After the grout had solidified (minimum 24 hours), the borings were advanced to the total depths using an 8-inch diameter auger. Woodward then installed 2-inch diameter groundwater monitoring wells.

On November 17 and November 19, 2004, ERI observed Woodward advance three 8-inch diameter soil borings (MW20A, MW21A, and MW22) using a hollow-stem auger drill-rig, and install 2-inch diameter groundwater monitoring wells.

Groundwater monitoring wells MW20A, MW21A, and MW22 are screened from approximately 10 to 20 feet bgs to monitor the upper water-bearing zone. Groundwater monitoring well 21B is screened from 28 to 33 feet bgs in the intermediate water-bearing zone (a sand layer encountered from 22.5 to 33.5 feet bgs). Groundwater monitoring wells MW5C, MW20C, and MW21C are screened from approximately 47 to 57 feet bgs in the lower water-bearing zone.

Soil samples were collected at 5-foot intervals in all borings using a California modified split-spoon sampler. Soil samples were collected at 1.5-foot to 2-foot intervals from 25 feet to 30 feet bgs in MW21B in order to characterize the intermediate sand in more detail. ERI described the samples collected during drilling using visual and manual methods, and classified the samples according to the Unified Soil Classification System.

Boring logs, which illustrate the descriptions of the materials encountered, configurations of conductor casing, grouted intervals, sand pack, and screened interval are presented as Attachment E. Monitoring well construction details are presented in Table 2. The locations of the monitoring wells are shown on the Generalized Site Plan (Plate 2).

Monitoring Well Surveying, Development, and Sampling

On December 15, 2004, ERI observed Morrow Surveying, Inc., a California-licensed land surveyor, survey the new well locations relative to a permanent datum and top of casing elevations relative to mean sea level. The well elevations are listed in Table 2.

On December 15, 17, and 21, 2004, ERI developed the newly-installed monitoring wells MW5C, MW20A, MW20C, MW21A, MW21B, MW21C, and MW22 using a surge and purge technique.

On January 10 and 11, 2005, ERI measured the depth to groundwater and collected groundwater samples from the newly-installed groundwater monitoring wells as part of the first quarter 2005 quarterly groundwater monitoring event. Analytical laboratory results from this event are included in Tables 1A and 1B and on Plate 6.

Laboratory Analytical Methods - Grab Groundwater Samples

ERI collected grab groundwater samples from borings DP1 through DP5 and submitted them for analysis to TestAmerica Incorporated (TestAmerica), a California state-certified laboratory, under Chain-of-Custody protocol. The grab groundwater samples were analyzed for TPHg and TPHd using Environmental Protection Agency (EPA) Method 8015B; and BTEX, MTBE, ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), TBA, 1,2-dibromoethane (EDB), 1,2-dichloroethane (1,2 DCA), di-isopropyl ether (DIPE), and ethanol by EPA Method 8260B. The laboratory analysis report and Chain-of-Custody records are provided in Attachment F.

ERI collected groundwater samples from all of the newly-developed wells, and submitted them to TestAmerica, under Chain-of-Custody protocol. The groundwater samples were analyzed for TPHg and TPHd by EPA Method 8015B; BTEX, MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE, and ethanol using EPA Method 8260B. The laboratory analytical report and Chain-of-Custody records are provided in Attachment F.

Laboratory Analytical Methods - Soil Samples

ERI submitted four soil samples collected from the soil stockpiles generated during drilling activities to TestAmerica, under Chain-of-Custody protocol, for laboratory analysis. The samples were composited by the laboratory and analyzed for TPHg and TPHd using EPA Method 8015B; BTEX and MTBE using EPA Method 8021B; and total lead using EPA Method 6010A. The laboratory analytical report and Chain-of-Custody records are provided in Attachment F.

ERI collected soil samples during drilling, as per EPA Method 5035, and submitted the samples for laboratory analysis to TestAmerica, under Chain-of-Custody protocol. The samples were analyzed for TPHg and TPHd using EPA Method 8015B; and BTEX, MTBE, and VOCs using EPA Method 8260B. Laboratory analysis results are summarized in Table 4. The laboratory analytical report and Chain-of-Custody records are provided in Attachment F.

Waste Containment and Disposal

Soil generated during advancement of the CPT and DP borings and during well installations was stockpiled on site. ERI collected four soil samples from the soil stockpiles and submitted the samples to TestAmerica, under Chain-of-Custody protocol. The samples were composited by the laboratory into two samples and analyzed for TPHg and TPHd using EPA Method 8015B; BTEX and MTBE using EPA Method 8021B; and total lead using EPA Method 6010A. The laboratory analytical report and Chain-of-Custody records are provided in Attachment F. The soil will be removed from the site and transported to an ExxonMobil-approved disposal facility.

Rinsate water accumulated during drilling activities and sampling was collected in 55-gallon drums, labeled, and temporarily stored on site. Waste disposal will be reported under separate cover.

RESULTS OF INVESTIGATION

Site Geology and Hydrogeology

Sediments encountered in the borings consist of silts, sands, gravels and clays. ERI identified three water-bearing zones during the CPT investigation. The upper water-bearing zone, encountered from 8 to 18 feet bgs, is a heterogeneous layer of moderately-graded sandy silt, sandy clay, or sand with gravel. The intermediate water-bearing zone, encountered from 25 to 33 feet bgs, is a well-graded zone of fine- to coarse-grained gravelly sand with silt or clay. The lower water-bearing zone, encountered from 47 to 57 feet bgs, is a coarse-grained, moderately-graded sand, gravelly or with silt. Prior to this investigation only the upper water-bearing zone had been identified.

First-encountered groundwater was observed in the borings between 11 to 25 feet bgs. The water-bearing strata are heterogeneous mixtures of sands, silts, and gravels. Based on similar depth to water measurements the water-bearing zones appear not to be hydraulically distinct zones. The sediments encountered during this investigation are consistent with previous investigations.

Soil Conditions

Select soil samples were collected during the installation of the groundwater monitoring wells MW5C, MW20A, MW20C, MW21A, MW21B, MW21C, and MW22. Fourteen soil samples between the depths of 10 and 20.5 feet bgs were analyzed for TPHg; TPHd; BTEX; fuel oxygenates (including MTBE, ETBE, TAME, TBA, and DIPE); and lead scavengers (EDB and 1,2-DCA). Concentrations of TPHg and TPHd were detected in one soil sample (MW5C, 10') at 3,940 milligrams per kilogram (mg/kg) and 81.3 mg/kg, respectively. Benzene was detected at a maximum concentration of 0.413 mg/kg (MW5C, 10'). Concentrations of MTBE were detected at a maximum of 0.0131 mg/kg (MW21C, 15'). A summary of current and historical soil analytical results is provided in Table 3. Laboratory analytical reports and Chain-of-Custody records are presented in Attachment F.

Groundwater Conditions

Fifteen grab groundwater samples were collected during the advancement of DP1 through DP5 and were analyzed for TPHg, TPHd, BTEX, ethanol, and oxygenates and additives. Concentrations of TPHg were detected at a maximum of 415 micrograms per liter (µg/L) (CPT1, 26'). Concentrations of TPHd were detected at a maximum of 880 µg/L (CPT4, 18'). Benzene was detected at a maximum concentration of 7.20 µg/L (CPT2, 14.5'). Concentrations of MTBE were detected at a maximum of 119 µg/L (CPT2, 14.5'). Concentrations of TBA were detected at a maximum of 66.6 µg/L (CPT1, 26'). Concentrations of 1,2-DCA was detected in one sample at 0.90 µg/L (CPT4, 29'). The grab groundwater analytical results are summarized in Table 4 and TPHg, benzene, and MTBE results are shown on Plate 7. The laboratory analytical reports are presented in Attachment F.

Groundwater samples were collected from the newly installed wells (MW5C, MW20A, MW20C, MW21A, MW21B, MW21C, and MW22) during first quarter 2005 groundwater monitoring event. The groundwater samples were analyzed for TPHg, TPHd, BTEX, ethanol, fuel oxygenates, and lead scavengers. Concentrations of TPHg were detected at a maximum of 256 µg/L (MW21A). Concentrations of TPHd were detected at a maximum of 299 µg/L (MW20C). Benzene was detected at a maximum concentration of 2.60 µg/L (MW21A). Concentrations of MTBE were detected at a maximum of 60.5 µg/L (MW21B). Concentrations of TBA were detected at a maximum of 16.2 µg/L (MW21B). Concentrations of 1,2-DCA was detected at a maximum of 3.60 µg/L (MW5C). Groundwater monitoring results are presented in Table 1A and 1B and the laboratory analytical reports are presented in Attachment F.

CONCLUSIONS

Based on the results of this and previous investigations, ERI concludes:

- The sediments encountered during this investigation are consistent with previous investigations.
- ERI identified three water-bearing zones during this investigation, the upper zone from 8 to 18 feet bgs, an intermediate zone 25 to 33 bgs, and a lower zone from 47 to 57 feet bgs. Based on the depth to groundwater and the hydrocarbon concentrations the water-bearing zones appear to have limited hydraulic connection.
- The upper water-bearing zone groundwater flow direction and hydraulic gradient are consistent with previous investigations. The local shallow groundwater flows northwest during the winter months towards Spring Creek and flows west during the summer months when the irrigation well at 3725 Mayette Avenue is active.
- The lower water-bearing zone groundwater flow direction is west towards the private domestic well at 3725 Mayette Avenue.
- The vertical extent of benzene and MTBE adjacent to the USTs is defined by boring DP1 and monitoring well MW5C. The vertical extent of benzene and MTBE downgradient of the site is defined by monitoring wells MW20C and MW21C and by borings DP2 through DP5.
- The lateral extent of benzene and MTBE downgradient of the site is defined by groundwater monitoring wells MW20A, and MW22, and by borings DP2 through DP5.

RECOMMENDATIONS

Based on the results of this and previous investigations and our knowledge of current site conditions, ERI recommends:

- No further assessment work is warranted at this time;
- Continued operation of the remediation system to remove benzene and MTBE from soil and groundwater and to influence hydraulic gradient;
- Continued quarterly groundwater monitoring and sampling of the groundwater monitoring wells; to evaluate the groundwater flow direction, hydraulic gradient, and dissolved hydrocarbon concentrations;
- Continued operation and quarterly sampling of the wellhead treatment system at 3725 Mayette Avenue.

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this report was written. This investigation was conducted solely for the purpose of evaluating environmental conditions of the soil and first-encountered groundwater. No soil engineering or geotechnical references are implied or should be inferred. Evaluation of the geologic conditions at the site for the purpose of this investigation is made from a limited number of observation points. Subsurface conditions may vary away from the data points available. Additional work, including further subsurface investigation, can reduce the inherent uncertainties associated with this type of investigation. This report has been prepared solely for Exxon Mobil, and any reliance on this report by third parties shall be at such party's sole risk.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Ms. Jo Bentz
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Mr. Paul Lowenthal
City of Santa Rosa Fire Department
955 Sonoma Avenue
Santa Rosa, California 95404

Mr. Joseph A. Aldridge
Valero Energy Corporation
685 West Third Street
Hanford, California 93230

Please contact Mr. James F. Chappell, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this site.

Sincerely,
Environmental Resolutions, Inc.

Daniel A. Parsons
Staff Geologist

Heidi Dieffenbach-Carle
R.G. 6793

PROFESSIONAL GEOLOGIST
HEIDI L. DIEFFENBACH-CARLE
No. 6793
EXP. 3/31/06
STATE OF CALIFORNIA

SCANNED IMAGE

Attachments: References

Table 1A	Cumulative Groundwater Monitoring and Sampling Data
Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data
Table 2:	Well Construction Details
Table 3:	Cumulative Soil Sample Results
Table 4:	Groundwater Grab Sample Analytical Results
Plate 1:	Site Vicinity Map
Plate 2:	Generalized Site Plan
Plate 3:	Groundwater Flow Direction Rose Diagram, Upper Water-Bearing Zone
Plate 4:	Groundwater Elevation Map, Upper Water-Bearing Zone
Plate 5:	Groundwater Elevation Map, Lower Water-Bearing Zone
Plate 6:	Select Analytical Results
Plate 7:	Grab Groundwater Sample Results
Attachment A:	Regulatory Correspondence
Attachment B:	Standard Field Protocol
Attachment C:	County of Sonoma, Monitoring Well Permits
Attachment D:	Cone Penetration Test Data
Attachment E:	Unified Soil Classification System, Symbol Key, and Boring Logs
Attachment F:	Laboratory Analysis Reports and Chain-of-Custody Records

REFERENCES

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TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW1	UST observation well, not monitored or sampled since 2/22/94.											
(208.00)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
MW2	UST observation well, not monitored or sampled since 2/22/94.											
(207.85)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
MW3	UST observation well, not monitored or sampled since 2/22/94.											
(208.33)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
MW4	UST observation well, not monitored or sampled since 2/22/94.											
(208.20)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
MW5	08/13/96	NLPH	12.90	195.20	—	4,000	<200	—	570	27	360	230
(208.10)	11/14/96	NLPH	13.15	194.95	—	4,400	<200	—	700.0	28	250	93
	02/16/97	NLPH	9.35	198.75	—	3,800	<300	—	300.0	250.0	390.0	850.0
	05/22/97	NLPH	10.82	197.28	—	1,500	470	—	55.0	8.6	4.4	15
	a											
	03/05/98	NLPH	8.38	199.72	—	12,000	170	—	440	1,000	930	2,700
	05/18/98	NLPH	9.13	198.97	—	5,200	<100	—	210	130	470	620
(208.11)	08/17/98	NLPH	11.28	196.83	360	5,900	400	—	180	510	280	910
	11/17/98	NLPH	11.28	196.83	270	2,600	310	—	170	22	16	72
	02/10/99	NLPH	7.33	200.78	1,900	25,000	<250	—	520	3,100	1,500	6,000
	05/12/99	NLPH	10.03	198.08	129	535	30.7	—	40.3	6.98	15.2	11.8
	08/10/99	NLPH	12.23	195.88	498	2,280	328	—	<10	<10	32.8	10.1
	11/22/99	NLPH	11.18	196.93	130	3,300	120	—	90	15	21	52.7
	02/09/00	NLPH	9.09	199.02	160	2,400	49	—	120	50	130	340
	5/30/00 & 5/31/00	NLPH	9.21	198.90	180	1,300	64	—	160	31	82	144
	09/13/00	NLPH	13.00	195.11	360	1,200	240	—	56	13	12	27.4
	12/08/00	NLPH	11.37	196.74	420c	2,000	260	—	82	8.1	12	30.4
	01/18/01	NLPH	10.24	197.87	420c	13,000	170	86	480	630	1,000	3,410
	05/31/01	NLPH	10.84	197.27	270	1,500	14	78	56	5.2	3	13
	08/31/01	NLPH	13.12	194.99	130	2,700	160	190	250	19	61	124
(208.13)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.94	199.17	200	1,500	96	—	96	11	25	42.6
	02/22/02	NLPH	8.71	199.40	414	2,200	57.0	27.6	204	36.0	273	423
	05/21/02	NLPH	10.14	197.99	287	2,660	61.4	—	31.7	3.5	2.0	9.8
	09/03/02	NLPH	13.01	195.12	315	1,900	145	288	32.4	4.2	4.9	14.5
	11/27/02	NLPH	12.22	195.91	571	3,020	320	60.5	149	18.2	48.5	124
	02/28/03	NLPH	9.61	198.52	1,090	17,200	64.0	32.0	420	138	1,380	3,170
	05/21/03	NLPH	9.57	198.56	391	2,080	35.3	14.8	105	7.1	175	87.5
	09/02/03	NLPH	12.65	195.48	583e	3,020	194	—	188	12.5	51	81.1
	11/26/03	NLPH	12.19	195.94	439	2,870	343	304	91.2	11.7	25.5	40.8
	02/12/04	NLPH	9.18	198.95	848e	4,940	—	45.5	157	20.6	398	382
	04/26/04	NLPH	10.17	197.96	221	1,280	115	94.4	60.0	5.4	42.8	17.5
	07/26/04	NLPH	13.05	195.08	165	1,700	73.8	65.7	84.6	5.8	28.2	25.7
	10/18/04	NLPH	13.22	194.91	447e	3,290	—	70.1	37.8	6.30	34.5	30.8
	11/24/04	NLPH	11.82	196.31	—	—	—	—	—	—	—	—
	01/10/05	NLPH	8.12	200.01	1,540e	4,270	—	10.6	134	18.4	1,090	1,070
MW5C	01/10/05	NLPH	7.44	200.92	—	—	—	—	—	—	—	—
(208.36)	01/11/05	—	—	—	230e	<50.0	—	5.80	<0.50	<0.50	1.50	3.80
MW6	08/13/96	NLPH	12.54	195.69	—	150	<30	—	<0.5	<0.5	<0.5	<0.5
(208.23)	11/14/96	NLPH	13.18	195.05	—	1,200	<30	—	<0.5	2.3	3.1	1.2
	02/18/97	NLPH	9.03	199.20	—	420	<30	—	<0.5	<0.5	0.53	<0.5
	05/22/97	NLPH	10.87	197.36	—	200	<30	—	<0.5	<0.5	<0.5	<0.5
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	03/05/98	NLPH	8.02	200.21	—	170	<2.0	—	7.2	2.1	3.3	1.7
	05/18/98	NLPH	8.92	199.31	—	150	11	—	3.0	<0.5	<0.5	<0.5
(208.25)	08/17/98	NLPH	11.38	196.87	220	390	14	—	<0.5	1.6	0.58	<0.5
	11/17/98	NLPH	11.42	196.83	100	150	7.1	—	0.81	1.1	<0.5	<0.5
	02/10/99	NLPH	6.81	201.44	82	250	14	—	5.0	1.4	<0.5	1.1
	05/11/99	NLPH	9.86	198.39	81.1	228	4.15	—	<0.5	1.45	0.564	<0.5
	08/10/99	NLPH	12.20	196.05	134	675	19.0	—	10.8	1.32	<1.0	<1.0
	11/22/99	NLPH	11.32	196.93	57	890	5.7	—	<0.5	<0.5	0.77	1.09
	02/09/00	NLPH	9.15	199.10	70	350	<2	—	1.5	<0.5	<0.5	<0.5
	5/30/00 & 5/31/00	NLPH	9.06	199.19	<50	620	<2	—	2.6	<0.5	2.1	3.7
	09/13/00	NLPH	13.22	195.03	<50	86	<2	—	0.72	1.2	<0.5	0.9
	12/08/00	NLPH	11.52	196.73	340c	150	<2	—	1.7	<0.5	0.77	0.66
	01/18/01	NLPH	10.28	197.97	84c	440	<2	—	<0.5	<0.5	1.3	1
	05/31/01	NLPH	10.93	197.32	62	360	<2	—	<0.5	<0.5	0.89	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW6 (cont.)	08/31/01	NLPH	13.20	195.05	460	670	<2	—	4.1	<0.5	.99	0.52
(208.24)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.90	199.35	110	1,100	5.8	—	<0.5	<0.5	<0.5	<0.5
	02/22/02	NLPH	8.34	199.91	<50.0	326	7.20	0.6	<0.50	<0.50	<0.50	<0.50
	05/21/02	NLPH	10.21	198.03	82	447	6.3	—	2.2	0.8	0.7	3.9
	09/03/02	NLPH	13.06	195.18	<50	163	3.8	1.00	0.8	<0.5	<0.5	<0.5
	11/27/02	NLPH	13.33	194.91	<50	227	5.1	<0.50	2.2	0.6	0.6	0.5
	02/28/03	NLPH	9.31	198.93	<50	110	2.1	<0.50	0.60	<0.5	<0.5	<0.5
	05/21/03	NLPH	9.47	198.77	<50	259	3.8	<0.50	4.70	1.6	1.3	3.7
	09/02/03	NLPH	12.73	195.51	76e	297	0.60	—	1.40	1.6	.6	<0.5
	11/26/03	NLPH	12.31	195.93	<50	343	<0.5	—	2.70	0.8	0.9	1.5
	02/12/04	NLPH	8.99	199.25	57e	534		0.80	2.60	0.7	<1.0	<3.0
	04/26/04	NLPH	10.23	198.01	55	382	5.4	0.72	5.60	0.5	0.5	<0.5
	07/26/04	NLPH	12.53	195.71	<50	140	3.3	0.80	2.70	<0.5	<0.5	<0.5
	10/18/04	NLPH	13.43	194.81	<50	90.5	—	1.50	<0.50	<0.50	<0.50	<0.50
	11/24/04	NLPH	11.77	196.47	—	—	—	—	—	—	—	—
	01/05/05	NLPH	7.69	200.55	92e	409	—	1.10	<0.50	<0.50	<0.50	<0.50
MW7	08/13/96	NLPH	12.95	195.28	—	44,000	<800	—	4,000	5,700	1,400	5,200
(208.23)	11/14/96	NLPH	13.15	195.08	—	25,000	<600	—	2,900	1,800	1,200	4,100
	02/18/97	NLPH	9.60	198.63	—	39,000	6,500	—	5,700	11,000	1,500	7,900
	05/22/97	NLPH	10.81	197.42	—	170,000	<2,000	—	19,000	44,000	5,500	27,000
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	03/05/98	NLPH	8.56	199.67	—	14,000	900	—	1,600	3,100	530	2,400
	05/18/98	NLPH	9.28	198.95	—	92,000	1,300	—	7,000	18,000	2,800	14,000
(208.22)	8/17 &18/98	NLPH	11.31	196.91	3,400	110,000	3,500	—	8,600	24,000	3,600	17,000
	11/17/98	NLPH	11.28	196.94	5,100	43,000	<250	—	5,200	9,600	2,000	8,500
	02/10/99	NLPH	7.71	200.51	15,000	120,000	760	—	7,500	25,000	<250	21,000
	05/12/99	NLPH	10.05	198.17	4,930	93,100	747	—	7,650	22,200	3,980	20,500
	08/10/99	NLPH	12.03	196.19	8,980	93,200	1,130	—	8,130	11,800	3,660	16,300
	11/22/99	NLPH	11.16	197.06	1,800	24,000	130	—	1,800	3,300	1,000	3,780
	02/09/00	NLPH	9.23	198.99	2,800	99,000	510	—	7,300	17,000	4,300	19,300
	5/30/00 & 5/31/00	NLPH	9.43	198.79	2,700	140,000	2,700	—	8,300	23,000	5,300	24,500
	09/13/00	NLPH	12.91	195.31	830	7,400	360	—	1,100	37	480	1,070
	12/08/00	NLPH	11.34	196.88	4,100c	110,000	1,100	—	8,800	20,000	4,400	21,400
	01/18/01	NLPH	10.25	197.97	2,200c	120,000	1,300	1,300	7,900	22,000	4,800	22,800
	05/31/01	NLPH	10.82	197.40	2,200	88,000	210	1,000	6,500	13,000	4,000	19,000
	08/31/01	NLPH	13.06	195.16	<50	15,000	400	430	2,100	<12	1,100	896
(208.23)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.86	199.36	6,100	83,000	870		720	6,900	1,600	16,600
	02/22/02	NLPH	8.91	199.31	7,640	38,100	825	1,000	375	1,130	1,080	15,200
	05/21/02	NLPH	10.12	198.11	10,100	50,800	220		335	1,120	795	12,200
	09/03/02	NLPH	12.97	195.26	3,000	6,300	138	149	497	6.0	326	668
	11/27/02	NLPH	12.22	196.01	1,070	1,390	35.5	30.0	89.3	3.1	93.5	44.2
	02/28/03	NLPH	9.70	198.53	94	81.7	16.0	16.3	2.80	<0.5	3.6	2.3
	05/21/03	NLPH	9.64	198.59	187	1,660	1,430	1,810	6.20	0.5	0.8	2.8
	09/02/03	NLPH	12.62	195.61	1,070e	2,220	81.6	—	152	3.9	182	41.2
	11/26/03	NLPH	12.25	195.98	70e	254	—	8.00	18.8	0.7	12.6	3.0
	02/12/04	NLPH	9.36	198.87	51e	<100	—	20.5	1.00	<0.5	<0.5	<3.0
	04/26/04	NLPH	10.18	198.05	<50	68.3	19.6	17.5	0.60	<0.5	<0.5	1.0
	07/26/04	NLPH	12.98	195.25	72	117	29.5	27.8	6.40	<0.5	0.5	0.9
	10/18/04	NLPH	13.23	195.00	262e	106	—	8.00	<0.50	<0.50	<0.50	<0.50
	11/24/04	NLPH	11.79	196.44	—	—	—	—	—	—	—	—
	01/10/05	NLPH	8.35	199.88	104e	<50.0	—	4.70	<0.50	<0.50	<0.50	1.10
MW8	02/22/94	—	—	—	—	—	—	—	—	—	—	—
(207.61)	05/22/97	—	—	—	—	—	—	—	—	—	—	—
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	8.85	198.76	—	330	680	—	26	6.6	12	38
(207.63)	8/17 &18/98	NLPH	10.82	196.81	120	300	1,200	—	6.0	0.78	<0.5	2.7
	11/17/98	NLPH	10.71	196.92	170	540	270	—	63	1.30	43	86
	02/10/99	NLPH	7.24	200.39	270	240	240	—	15	1.8	9.7	25
	05/11/99	NLPH	9.57	198.06	95.2	93.1	168	—	4.98	<0.5	3.14	1.81
	08/10/99	NLPH	11.58	196.05	67.5	199	100	—	13.8	<0.5	0.767	0.554
	11/22/99	NLPH	10.64	196.99	<50	970	63	—	43	1	4.7	4.45
	02/09/00	NLPH	8.72	198.91	70	180	92	—	10	<0.5	4	2.7
	5/30/00 & 5/31/00	NLPH	8.81	198.82	210	57	400	—	<0.5	<0.5	<0.5	<0.5
	09/13/00	NLPH	12.36	195.27	52	77	200	—	2.5	1.4	<0.5	0.94
	12/08/00	NLPH	10.81	196.82	210c	320	170	—	38	<0.5	17	4.5
	01/18/01	NLPH	9.74	197.89	120c	100	140	—	6.4	<0.5	2.4	0.61

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 3 of 9)

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW8 (cont.)	05/31/01	NLPH	10.28	197.35	<50	<250	130	130	3.5	<2.5	<2.5	<2.5
(207.63)	08/31/01	NLPH	12.52	195.11	72	<50	76	110	<0.5	<0.5	<0.5	<0.5
(207.63)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.49	199.14	51	140	53	—	1.1	<0.5	1.7	<0.5
	02/22/02	NLPH	8.42	199.21	<50.0	110	84.5	123	1.90	<0.50	1.90	<0.50
	05/21/02	NLPH	9.60	198.03	66	204	73.3	—	5.7	<0.5	6.9	1.3
	09/03/02	NLPH	12.47	195.16	88	81.0	81.9	94.9	<0.5	<0.5	<0.5	<0.5
	11/27/02	NLPH	11.73	195.90	<50	65.8	62.3	59.4	<0.5	<0.5	<0.5	<0.5
	02/28/03	NLPH	9.19	198.44	<50	100	90.4	89.3	2.80	<0.5	<0.5	<0.5
	05/21/03	NLPH	9.14	198.49	<50	90.1	72.2	75.2	<0.50	<0.5	<0.5	<0.5
	09/02/03	NLPH	12.12	195.51	<50	<50	47.6	—	<0.50	0.5	<0.5	<0.5
	11/26/03	NLPH	11.76	195.87	365	53.1	53.6	41.4	<0.50	<0.5	<0.5	<0.5
	02/12/04	NLPH	8.89	198.74	<50	<50.0	—	40.4	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	9.67	197.96	<50	<50.0	24.5	26.2	<0.50	0.6	<0.5	0.8
	07/26/04	NLPH	12.37	195.26	<50	<50.0	25.5	19.9	<0.50	<0.5	<0.5	<0.5
	10/18/04	NLPH	12.67	194.96	<50	<50.0	—	20.1	<0.50	<0.50	<0.50	<0.50
	11/24/04	NLPH	11.30	196.33	—	—	—	—	—	—	—	—
	01/10/05	NLPH	7.89	199.74	<50	<50.0	—	19.9	<0.50	<0.50	<0.50	<0.50
MW9	08/13/96	NLPH	11.94	195.45	—	1,600	<30	—	120	5.7	2.8	3.5
(207.39)	11/14/96	NLPH	12.45	194.94	—	1,800	<30	—	53	2.4	2.4	3.4
	02/18/97	NLPH	9.00	198.39	—	180	73	—	4.7	1.4	0.53	1.3
	05/22/97	NLPH	10.06	197.33	—	<50	71	—	<0.5	<0.5	<0.5	<0.5
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	03/05/98	NLPH	8.20	199.19	—	300	130	—	120	64	2.3	3.1
	05/18/98	NLPH	8.85	198.54	—	750	130	—	170	3.5	4.1	2.3
	8/17 &18/98	NLPH	10.39	197.00	280	1,900	200	—	550	6.9	6.0	9.8
	11/17/98	NLPH	10.69	196.70	310	1,100	130	—	210	7.8	3.2	6.9
	02/10/99	NLPH	7.37	200.02	250	660	81	—	100	<2.5	<2.5	<2.5
	05/12/99	NLPH	9.59	197.80	300	1,540	75.4	—	415	11.7	8.92	<2.5
	08/10/99	NLPH	11.26	196.13	478	2,380	94.8	—	229	7.44	<5.0	<5.0
	11/22/99	NLPH	10.39	197.00	81	370	34	—	28	0.94	1.6	1.84
	02/09/00	NLPH	8.87	198.52	150	410	35	—	52	<0.5	1.5	0.9
	5/30/00 & 5/31/00	NLPH	8.93	198.46	97	890	65	—	120	1.2	2.3	3.15
	09/13/00	NLPH	12.07	195.32	55	370	47	—	14	2.9	0.73	1.7
	12/08/00	NLPH	10.65	196.74	520c	1,600	<10	—	140	<2.5	5.3	5.8
	01/18/01	NLPH	9.65	197.74	110c	610	36/22b	22	69	<0.5	2.3	3.53
	05/31/01	NLPH	10.11	197.28	210	580	<10	—	36	<2.5	<2.5	<2.5
	08/31/01	NLPH	12.30	195.09	140	1,000	16/11b	11	38	<0.5	2.7	5.1
(207.39)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.43	198.96	180	1,300	11	—	5.9	<0.5	2.1	2.1
	02/22/02	NLPH	8.46	198.93	64.0	285	37.7	29	5.80	0.60	1.10	1.50
	05/21/02	NLPH	9.41	197.98	418	856	50.6		6.5	1.2	1.4	2.8
	09/03/02	NLPH	12.34	195.05	106	363	32.1	39.2	3.2	<0.5	0.9	0.8
	11/27/02	NLPH	11.61	195.78	300	377	32.9	31.4	4.9	<0.5	0.7	0.8
	02/28/03	NLPH	9.12	198.27	<50	51.1	37.0	35.0	<0.50	<0.5	<0.5	<0.5
	05/21/03	NLPH	9.05	198.34	51	88.6	28.1	26.8	0.60	<0.5	<0.5	<0.5
	09/02/03	NLPH	11.97	195.42	53e	142	18.8	—	1.70	1.4	<0.5	<0.5
	11/26/03	NLPH	11.59	195.80	117	230	10.9	6.40	0.50	0.6	0.7	1.2
	02/12/04	NLPH	8.85	198.54	<50	51.4	—	16.6	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	9.51	197.88	<50	111	12.1	11.8	1.00	0.5	<0.5	<0.5
	07/26/04	NLPH	12.03	195.36	232	78.9	12.4	10.1	<0.50	<0.5	<0.5	<0.5
	10/18/04	NLPH	12.40	194.99	<50	77.1	—	8.40	<0.50	<0.50	<0.50	<0.50
	11/24/04	NLPH	11.15	196.24	—	—	—	—	—	—	—	—
	01/10/05	NLPH	8.01	199.38	53e	<50.0	—	13.6	<0.50	<0.50	<0.50	<0.50
MW10	08/13/96	NLPH	11.43	195.50	—	140	<30	—	<0.5	<0.5	<0.5	<0.5
(206.93)	11/14/96	NLPH	12.20	194.73	—	230	<30	—	<0.5	<0.5	<0.5	<0.5
	02/18/97	NLPH	9.08	197.85	—	1,800	<30	—	6.9	17	4	5.4
	05/22/97	NLPH	9.99	196.94	—	290	<30	—	<0.5	<0.5	<0.5	<0.5
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	8.93	198.00	—	2,200	350	—	48	5.9	<5.0	<5.0
(206.95)	8/17 &18/98	NLPH	10.49	196.46	210	330	130	—	0.51	3.7	<0.5	<0.5
	11/17/98	NLPH	10.68	196.27	73	<50	100	—	<0.5	<0.5	<0.5	<0.5
	02/10/99	NLPH	7.83	199.12	1,300	1,900	410	—	<5.0	12	<5.0	<5.0
	05/12/99	NLPH	9.44	197.51	438	1,370	395	—	9.67	<1.0	1.13	1.15
	08/10/99	NLPH	11.45	195.50	<50	162	117	—	1.82	<0.5	<0.5	<0.5
	11/22/99	NLPH	9.54	197.41	60	<250	79	—	<2.5	2.9	3.6	<2.5
	02/09/00	NLPH	8.85	198.10	270	570	300	—	3.6	0.65	0.65	2.3
	05/30/00	NLPH	9.01	197.94	—	—	—	—	—	—	—	—

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW10 (cont.)	06/06/00	NLPH	9.75	197.20	490	950	380	—	<0.5	<0.5	1.5	3.6
(206.95)	09/13/00	NLPH	11.44	195.51	<50	<50	89	—	<0.5	0.99	<0.5	0.57
	12/08/00	NLPH	10.51	196.44	210c	<50	69	—	0.62	<0.5	<0.5	0.5
	01/18/01	NLPH	9.55	197.40	88c	96	94/78b	78	0.6	<0.5	<0.5	<0.5
	05/31/01	NLPH	9.84	197.11	72	60	100/92b	92	<0.5	<0.5	<0.5	<0.5
	08/31/01	NLPH	12.98	193.97	<50	<50	49/73b	73	<0.5	<0.5	<0.5	<0.5
(206.97)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.61	198.34	71	960	50	50	<0.5	<0.5	8.1	11.5
	02/22/02	NLPH	8.60	198.35	317	635	139	210	4.20	2.20	1.60	4.00
	05/21/02	NLPH	9.22	197.75	146	339	74.9	—	1.2	0.8	0.5	2.0
	09/03/02	NLPH	12.33	194.64	<50	<50.0	41.5	47.0	<0.5	<0.5	<0.5	<0.5
	11/27/02	NLPH	11.59	195.38	<50	<50.0	38.9	39.3	<0.5	<0.5	<0.5	<0.5
	02/28/03	NLPH	9.07	197.90	233	495	104	110	<0.50	0.8	0.8	1.4
	05/21/03	NLPH	9.01	197.96	277	602	88.1	86.4	4.90	0.7	<0.5	1.4
	09/02/03	NLPH	11.91	195.06	<50	<50	38.0	—	<0.5	<0.5	<0.5	<0.5
	11/26/03	NLPH	11.26	195.71	85	<50.0	33.6	25.7	<0.50	<0.5	<0.5	<0.5
	02/12/04	NLPH	8.92	198.05	155e	180	—	79.3	0.60	<0.5	<0.5	0.7
	04/26/04	NLPH	9.41	197.56	<50	70.6	47.1	44.1	<0.50	<0.5	<0.5	<0.5
	07/26/04	NLPH	11.02	195.95	<50	<50.0	32.5	25.2	<0.50	<0.5	<0.5	<0.5
	10/18/04	g	g	g	f	f	f	f	f	f	f	f
	11/24/04	NLPH	11.10	195.87	—	—	—	—	—	—	—	—
	01/10/05	NLPH	8.11	198.86	—	—	—	—	—	—	—	—
	01/11/05	—	—	—	167e	59.1	—	35.6	<0.50	<0.50	<0.50	<0.50
MW11	08/13/96	NLPH	12.81	195.22	—	1,100	<30	—	16	4.9	1.4	8.9
(208.03)	11/14/96	NLPH	12.87	195.16	—	1,500	<30	—	22	4.6	11	4.8
	02/18/97	NLPH	9.30	198.73	—	390	<30	—	<0.5	<0.5	2.1	0.78
	05/22/97	NLPH	10.59	197.44	—	320	<30	—	0.81	<0.5	1.5	0.5
	a											
	03/05/98	NLPH	8.36	199.67	—	110	<2.0	—	0.50	<0.5	1.1	3.6
	05/18/98	NLPH	9.04	198.99	—	<50	2.7	—	0.80	<0.5	<0.5	<0.5
(208.04)	08/17/98	NLPH	11.09	196.95	210	950	44	—	13	<5.0	30	9.3
	11/17/98	NLPH	11.03	197.01	130	360	14	—	2.8	3.5	5.9	2.1
	02/10/99	NLPH	7.62	200.42	65	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	05/11/99	NLPH	9.89	198.15	75.8	174	<2.0	—	<0.5	1.32	7.11	<0.5
	08/10/99	NLPH	11.77	196.27	80.8	462	<5.0	—	6.12	<1.0	2.04	<1.0
	11/22/99	NLPH	10.89	197.15	52	350	5.1	—	<1	1.9	3.3	2.6
	02/09/00	NLPH	8.96	199.08	120	530	<2	—	3.2	<0.5	0.59	<0.5
	5/30/00 & 5/31/00	NLPH	8.69	199.35	<59	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/13/00	NLPH	12.67	195.37	87	280	<2	—	11	12	4	5.9
	12/08/00	NLPH	11.11	196.93	480c	440	<2	—	3.2	1.3	3.4	1.1
	01/18/01	NLPH	10.03	198.01	220c	340	<2	—	<0.5	1.3	33	5.3
	05/31/01	NLPH	10.60	197.44	<50	410	<10	—	<2.5	<2.5	<2.5	<2.5
	08/31/01	NLPH	12.83	195.21	73	440	<2	—	2	<0.5	1.3	0.63
(208.02)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.60	199.44	730	830	3.1	—	<0.5	0.73	34	2.82
	02/22/02	NLPH	8.70	199.34	53.0	<50.0	0.50	0.8	<0.50	<0.50	0.90	0.70
	05/21/02	NLPH	9.87	198.15	55	87.5	2.1	—	<0.5	<0.5	<0.5	<0.5
	09/03/02	NLPH	12.77	195.25	98	183	8.6	9.90	0.7	<0.5	7.1	2.9
	11/27/02	NLPH	12.02	196.00	<50	70.6	5.0	3.50	0.7	<0.5	<0.5	0.7
	02/28/03	NLPH	9.52	198.50	1,010	259	16.4	15.5	1.10	0.5	9.8	14.4
	05/21/03	NLPH	9.44	198.58	<50	<50.0	2.0	1.90	<0.50	<0.5	<0.5	1.3
	09/02/03	NLPH	12.41	195.61	<50	<50.0	2.30	—	<0.50	<0.50	<0.50	<0.50
	11/26/03	NLPH	12.58	195.44	<50	<50.0	1.3	0.80	<0.50	<0.5	<0.5	<0.5
	02/12/04	NLPH	9.13	198.89	<50	<50.0	—	1.20	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	10.01	198.01	<50	<50.0	1.7	1.60	<0.50	<0.5	<0.5	<0.5
	07/26/04	NLPH	12.79	195.23	<50	<50.0	1.6	1.20	<0.50	<0.5	<0.5	<0.5
	10/18/04	NLPH	13.06	194.96	<50	<50.0	—	0.80	<0.50	<0.50	<0.50	<0.50
	11/24/04	NLPH	11.61	196.41	—	—	—	—	—	—	—	—
	01/10/05	NLPH	8.20	199.82	56e	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW12	08/13/96	NLPH	13.13	195.46	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
(208.59)	11/14/96	NLPH	13.86	194.73	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	02/18/97	NLPH	10.72	197.87	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	05/22/97	NLPH	11.64	196.95	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
(208.61)	05/18/98	NLPH	10.58	198.01	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	08/17/98	NLPH	12.12	196.49	50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	11/17/98	NLPH	11.69	196.92	55	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	02/10/99	NLPH	9.23	199.38	74	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Well ID #	Sampling	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
(TOC)	Date	<.....feet.....>			<.....ug/L.....>							
MW12 (cont.)	05/11/99	NLPH	11.91	196.70	<50	<50	<2.0	—	<0.5	<0.5	<0.5	<0.5
(208.61)	08/10/99	NLPH	13.13	195.48	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	11/22/99	NLPH	11.61	197.00	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	02/09/00	NLPH	10.53	198.08	60	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	05/30/00	NLPH	10.60	198.01	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/13/00	NLPH	12.99	195.62	<50	<50	<2	—	<0.5	0.56	<0.5	<0.5
	12/08/00	NLPH	12.18	196.43	200c	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	01/18/01	NLPH	11.22	197.39	84c	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	05/31/01	NLPH	11.49	197.12	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	08/31/01	NLPH	13.79	194.82	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
(208.62)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	10.46	198.15	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	02/22/02	NLPH	12.76	195.85	<50.0	<50.0	1.00	—	<0.50	<0.50	0.50	<0.50
	05/21/02	NLPH	10.88	197.74	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	1.8
	09/03/02	NLPH	13.97	194.65	57	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	11/27/02	NLPH	13.26	195.36	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	02/28/03	NLPH	10.73	197.89	<50	<50.0	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
	05/21/03	NLPH	10.64	197.98	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/02/03	NLPH	13.60	195.02	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	11/26/03	NLPH	12.96	195.66	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	02/12/04	NLPH	10.60	198.02	190e	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	10.80	197.82	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	07/26/04	NLPH	13.56	195.06	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	10/18/04	g	g	g	<50g	<50.0g	—	<0.50g	<0.50g	<0.50g	<0.50g	<0.50g
	11/24/04	NLPH	12.79	195.83	—	—	—	—	—	—	—	—
	01/10/05	NLPH	9.79	198.83	<50	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW13	08/13/96	NLPH	12.07	195.76	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
(207.83)	11/14/96	NLPH	12.57	195.26	—	<50	<30	—	<0.5	<0.5	<0.5	1
	02/18/97	NLPH	13.06	194.77	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	05/22/97	NLPH	10.30	197.53	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	8.66	198.97	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
(207.85)	08/17/98	NLPH	10.82	197.03	80	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	11/17/98	NLPH	10.68	197.17	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	02/10/99	NLPH	6.43	201.42	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	05/11/99	NLPH	9.53	198.32	<50	<50	<2.0	—	<0.5	<0.5	<0.5	<0.5
	08/10/99	NLPH	11.53	196.32	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	11/22/99	NLPH	10.54	197.31	<50	<50	<2	—	<0.5	<0.5	<0.5	1.3
	02/09/00	NLPH	8.73	199.12	80	<50	<2	—	0.87	<0.5	<0.5	1.1
	05/30/00	NLPH	8.56	199.29	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/13/00	NLPH	12.34	195.51	<50	<50	<2	—	0.74	1.2	<0.5	0.61
	12/08/00	NLPH	10.80	197.05	210c	<50	<2	—	0.58	<0.5	<0.5	<0.5
	01/18/01	NLPH	9.78	198.07	85c	61	<2	—	<0.5	<0.5	<0.5	<0.5
	05/31/01	NLPH	10.31	197.54	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	08/31/01	NLPH	12.53	195.32	86	<50	<2	—	<0.5	<0.5	<0.5	<0.5
(207.85)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.28	199.57	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	02/22/02	NLPH	10.01	197.84	<50.0	<50.0	<0.50	—	<0.50	<0.50	0.80	<0.50
	05/21/02	NLPH	9.52	198.33	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/03/02	NLPH	12.51	195.34	84	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	11/27/02	NLPH	11.72	196.13	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	02/28/03	NLPH	9.21	198.64	<50	<50.0	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5
	05/21/03	NLPH	9.24	198.61	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/02/03	NLPH	10.12	197.73	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	11/26/03	NLPH	11.66	196.19	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	02/12/04	NLPH	8.96	198.89	191e	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	9.71	198.14	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	07/26/04	NLPH	12.13	195.72	66	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	10/18/04	g	g	g	<50g	<50.0g	—	<0.50g	<0.50g	<0.50g	<0.50g	<0.50g
	11/24/04	NLPH	11.31	196.54	—	—	—	—	—	—	—	—
	01/10/05	NLPH	8.50	199.35	—	—	—	—	—	—	—	—
	01/11/05	—	—	—	66e	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW14	08/13/96	NLPH	12.45	194.98	—	70	<30	—	2.3	0.7	<0.5	<0.5
(207.43)	11/14/96	NLPH	12.92	194.51	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	02/18/97	Well destroyed										
MW15	08/13/96	NLPH	13.45	194.20	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
(207.65)	11/14/96	NLPH	13.53	194.12	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
		<.....feet.....>			<.....ug/L.....>							
MW15 (cont.)	02/18/97	NLPH	8.80	198.85	—	<50	<30	—	0.85	1.8	1.3	5.6
(207.65)	05/22/97	NLPH	11.6	196.05	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	8.59	199.06	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	08/17/98	NLPH	12.71	194.94	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
(207.68)	11/17/98	NLPH	12.03	195.65	73	<50	20	—	3.7	<0.5	<0.5	<0.5
	02/10/99	NLPH	6.21	201.47	<50	<50	3.2	—	0.54	1.6	<0.5	2.3
	05/11/99	NLPH	10.57	197.11	<50	<50	<2.0	—	<0.5	1.78	<0.5	<0.5
	08/10/99	NLPH	13.55	194.13	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	11/22/99	NLPH	11.98	195.70	<50	<50	5	—	<0.5	<0.5	<0.5	<0.5
	02/09/00	NLPH	8.98	198.70	80	<50	4.5	—	<0.5	<0.5	<0.5	<0.5
	05/30/00	NLPH	8.95	198.73	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/13/00	NLPH	14.53	193.15	<50	<50	16	—	<0.5	0.97	<0.5	0.81
	12/08/00	NLPH	12.15	195.53	310c	<50	4.8	—	0.91	<0.5	0.85	0.83
	01/18/01	NLPH	10.96	196.72	82c	<50	9.6	—	<0.5	<0.5	<0.5	<0.5
	05/31/01	NLPH	12.20	195.48	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	08/31/01	NLPH	15.04	192.64	<50	<50	5.5	10	<0.5	<0.5	<0.5	<0.5
(207.80)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	10.01	197.79	<50	<50	4.1	4.1	<0.5	<0.5	<0.5	<0.5
	02/22/02	NLPH	10.95	196.85	<50.0	<50.0	<0.50	—	<0.50	<0.50	<0.50	<0.50
	05/21/02	NLPH	11.23	196.57	87	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/03/02	NLPH	14.51	193.29	195	<50.0	1.2	—	<0.5	<0.5	<0.5	<0.5
	11/27/02	NLPH	13.00	194.80	<50	<50.0	11.9	11.6	<0.5	<0.5	<0.5	0.6
	02/28/03	NLPH	9.11	198.69	<50	<50.0	3.4	3.50	<0.50	<0.5	<0.5	<0.5
	05/21/03	NLPH	9.56	198.24	335	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/02/03	NLPH	14.20	193.60	<50	<50.0	1.30	—	<0.50	0.8	<0.5	<0.5
	11/26/03	NLPH	13.13	194.67	<50	<50.0	10.4	7.90	<0.50	<0.5	<0.5	<0.5
	02/12/04	NLPH	8.91	198.89	<50	<50.0	—	5.20	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	10.72	197.08	<50	<50.0	1.2	1.15	<0.50	<0.5	<0.5	<0.5
	07/26/04	g	g	g	<50g	<50.0g	6.7g	5.60g	<0.50g	<0.5g	<0.5g	<0.5g
	10/18/04	g	g	g	58e,g	217g	—	132g	<0.50g	<0.50g	<0.50g	<0.50g
	11/24/04	NLPH	12.40	195.40	—	—	—	—	—	—	—	—
	01/10/05	NLPH	7.17	200.63	—	—	—	—	—	—	—	—
	01/11/05	—	—	—	66e	<50.0	—	0.80	<0.50	<0.50	<0.50	<0.50
MW16	08/13/96	NLPH	12.34	195.31	—	250	<30	—	12	1.3	<0.5	5.2
(207.65)	11/14/96	NLPH	12.92	194.73	—	<50	<30	—	3.4	0.54	<0.5	1.6
	02/18/97	NLPH	9.35	198.30	—	460	<30	—	48	3.1	<0.5	5.2
	05/22/97	NLPH	10.56	197.09	—	680	56	—	3	7.4	1.8	8.4
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	9.17	198.48	—	330	630	—	35	0.68	<0.5	2.8
(207.43)	8/17 &18/98	NLPH	11.20	196.23	220	280	550	—	28	0.94	16	44
	11/17/98	NLPH	11.07	196.36	86	120	710	—	4.5	0.51	<0.51	2.6
	02/10/99	NLPH	7.21	200.22	120	290	770	—	14	1.1	<0.5	3.3
	05/11/99	NLPH	9.91	197.52	132	331	552	—	5.68	6.38	<2.5	<2.5
	08/10/99	NLPH	12.06	195.37	<50	246	382	—	<1.0	<1.0	<1.0	3.08
	11/22/99	NLPH	10.81	196.62	63	150	410	—	<0.5	0.59	<0.5	3.16
	02/09/00	NLPH	8.83	198.60	140	190	420	—	<0.5	<0.5	<0.5	0.93
	5/30/00 & 5/31/00	NLPH	9.13	198.30	<50	300	450	—	0.8	<0.5	<0.5	3.66
	09/13/00	NLPH	12.64	194.79	61	130	260	—	1.9	1.4	<0.5	3.07
	12/08/00	NLPH	11.06	196.37	500c	150	240	—	2.2	<0.5	<0.5	1.7
	01/18/01	NLPH	10.00	197.43	88c	110	240	190	0.88	<0.5	<0.5	2
	05/31/01	NLPH	10.58	196.85	54	130	360	320	<0.5	<0.5	<0.5	0.83
	08/31/01	NLPH	12.89	194.54	<50	140	250	230	0.87	<0.5	<0.5	0.82
(207.41)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	9.34	198.07	54	110	170	—	<0.5	<0.5	<0.5	<0.5
	02/22/02	NLPH	8.55	198.86	<50.0	254	185	274	10.2	1.70	<0.50	1.70
	05/21/02	NLPH	10.03	197.38	76	444	147	—	1.2	<0.5	<0.5	2.1
	09/03/02	NLPH	12.86	194.55	62	281	153	195	0.7	<0.5	<0.5	2.0
	11/27/02	NLPH	12.00	195.41	53	230	132	124	1.2	<0.5	<0.5	1.8
	02/28/03	NLPH	9.33	198.08	<50	320	147	160	2.50	0.7	<0.5	1.1
	05/21/03	NLPH	9.47	197.94	<50	271	128	130	0.70	<0.5	<0.5	1.5
	09/02/03	NLPH	12.50	194.91	86e	307	146	—	0.90	<0.5	<0.5	1.9
	11/26/03	NLPH	11.80	195.61	58e	254	—	115	<0.50	0.5	<0.5	1.4
	02/12/04	NLPH	9.08	198.33	79e	276	—	111	1.70	0.5	<0.5	1.1
	04/26/04	NLPH	10.00	197.41	<50	314	115	126	2.10	0.5	<0.5	1.1
	07/26/04	g	g	g	<50g	208g	138g	120g	1.40g	<0.5g	<0.5g	1.0g
	10/18/04	g	g	g	59e,g	<50.0g	—	11.6g	<0.50g	<0.50g	<0.50g	<0.50g

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
		<.....feet.....>			<.....ug/L.....>							
MW16 (cont.)	11/24/04	NLPH	11.47	195.94	—	—	—	—	—	—	—	—
(207.41)	01/10/05	NLPH	7.84	199.57	—	—	—	—	—	—	—	—
	01/11/05	—	—	—	76e	277	—	104	<0.50	<0.50	<0.50	1.80
MW17	08/13/96	NLPH	12.43	195.92	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
(208.35)	11/14/96	NLPH	13.1	195.25	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	02/18/97	NLPH	8.9	199.45	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	05/22/97	NLPH	10.79	197.56	—	<50	<30	—	<0.5	<0.5	<0.5	<0.5
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	8.79	199.56	—	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	08/17/98	NLPH	11.23	197.12	120	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
(208.37)	11/17/98	NLPH	11.41	196.96	54	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	02/10/99	NLPH	6.75	201.62	<50	<50	<2.5	—	<0.5	0.61	<0.5	<0.5
	05/11/99	NLPH	9.78	198.59	56.9	<50	<2.0	—	<0.5	<0.5	<0.5	<0.5
	08/10/99	NLPH	12.10	196.27	<50	<50	<2.5	—	<0.5	<0.5	<0.5	<0.5
	11/22/99	NLPH	11.27	197.10	380	<250	<10	—	<2.5	<2.5	<2.5	<2.5
	02/09/00	NLPH	8.68	199.69	170	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	05/30/00	NLPH	8.46	199.91	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	09/13/00	NLPH	13.19	195.18	70	<50	<2	—	2.8	5.1	0.73	4.1
	12/08/00	NLPH	11.47	196.90	330c	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	01/18/01	NLPH	10.19	198.18	110c	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	05/31/01	NLPH	10.89	197.48	<50	<50	<2	—	<0.5	<0.5	<0.5	<0.5
	08/31/01	NLPH	13.22	195.15	<56	<50	<2	—	3.1	<0.5	<0.5	1.7
(208.34)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.68	199.66	50	<50	<2	—	1	<0.5	<0.5	<0.5
	02/22/02	NLPH	8.31	200.03	<50.0	<50.0	<0.50	—	<0.50	<0.50	<0.50	<0.50
	05/21/02	NLPH	10.11	198.23	70	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	09/03/02	NLPH	12.59	195.75	187	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	11/27/02	NLPH	12.27	196.07	<50	<50.0	<0.5	—	<0.5	<0.5	<0.5	<0.5
	02/28/03	NLPH	—	—	—	—	—	—	—	—	—	—
	05/21/03	NLPH	9.41	198.93	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	09/02/03	NLPH	12.69	195.65	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	11/26/03	NLPH	12.30	196.04	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	02/12/04	NLPH	8.92	199.42	81e	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	10.17	198.17	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	07/26/04	NLPH	10.64	197.70	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
	10/18/04	g	g	g	f	f	f	f	f	f	f	f
	10/24/04	NLPH	11.72	196.62	—	—	—	—	—	—	—	—
	01/10/05	NLPH	7.61	200.73	<50	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW18	08/13/96	NLPH	12.35	195.23	—	—	—	—	—	—	—	—
(207.58)	11/14/96	NLPH	12.93	194.65	—	—	—	—	—	—	—	—
	02/18/97	NLPH	9.63	197.95	—	—	—	—	—	—	—	—
	05/22/97	NLPH	10.72	196.86	—	—	—	—	—	—	—	—
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	9.28	198.30	—	330	1,400	—	4.4	5.7	<2.0	3.6
(207.59)	08/18/98	NLPH	—	—	—	—	—	—	—	—	—	—
	11/17/98	NLPH	11.01	196.58	150	220	390	—	5.6	0.96	<0.5	1.3
	02/10/99	NLPH	8.13	199.46	170	340	620	—	0.76	1.50	<0.5	1.9
	05/12/99	NLPH	10.01	197.58	119	529	605	—	<2.5	<2.5	<2.5	<2.5
	08/10/99	NLPH	12.21	195.38	73.7	228	308	—	1.85	<0.5	<0.5	<0.5
	11/22/99	NLPH	10.87	196.72	1,700	130	270	—	<0.5	<0.5	<0.5	1.19
	02/09/00	NLPH	9.62	197.97	180	270	240	—	1.4	<0.5	<0.5	1.1
	5/30/00 & 5/31/00	NLPH	9.49	198.10	<50	<50	250	—	<0.5	<0.5	<0.5	<0.5
	09/13/00	NLPH	12.68	194.91	75	120	210	—	2.8	5.5	1.1	4.9
	12/08/00	NLPH	11.18	196.41	280c	420	230	—	<0.5	<0.5	0.54	1.2
	01/18/01	NLPH	10.12	197.47	140c	230	190	140	2.2	<0.5	<0.5	0.7
	05/31/01	NLPH	10.61	196.98	140	<250	270	230	0.78	<0.5	<0.5	0.77
	08/31/01	NLPH	12.96	194.63	<50	250	190	150	0.95	<0.5	<0.5	0.53
(207.58)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	9.50	198.08	160	280	150	—	<0.5	<0.5	<0.5	0.6
	02/22/02	NLPH	8.77	198.81	130	318	169	236	1.30	0.50	<0.50	1.90
	05/21/02	NLPH	10.01	197.57	241	654	145		1.8	0.6	0.6	2.5
	09/03/02	NLPH	12.95	194.63	189	503	108	145	1.9	0.7	0.8	1.9
	11/27/02	NLPH	12.17	195.41	181	532	137	139	3.5	1.0	1.0	2.7
	02/28/03	NLPH	9.49	198.09	164	430	140	145	<0.50	0.8	<0.5	1.0
	05/21/03	NLPH	9.55	198.03	214	582	132	135	2.20	<0.5	<0.5	1.2
	09/02/03	NLPH	12.59	194.99	202e	434	100	—	2.00	0.5	0.5	1.6
	11/26/03	NLPH	12.01	195.57	53	122	72.8	59.6	<0.50	<0.5	<0.5	<0.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Well ID # (TOC)	Sampling Date	SUBJ	DTW	Elev.	TPHd	TPHg	MTBE	MTBE b	B	T	E	X
		<.....feet.....>			<.....ug/L.....>							
MW18 (cont.)	02/12/04	NLPH	9.27	198.31	171e	509	80.8b	80.8	2.30	0.7	0.5	1.2
(207.58)	04/26/04	NLPH	10.05	197.53	116	314	98.1	100	1.20	<0.5	<0.5	1.0
	07/26/04	NLPH	12.52	195.06	98	198	86.2	74.0	<0.50	<0.5	<0.5	0.9
	10/18/04	NLPH	13.01	194.57	<50	171	—	132	0.80	<0.50	<0.50	<0.50
	11/24/04	NLPH	11.66	195.92	—	—	—	—	—	—	—	—
	01/10/05	NLPH	8.23	199.35	175e	205	—	36.2	<0.50	<0.50	<0.50	<0.50
MW19	02/18/97	NLPH	9.45	NA	—	2,600	<30	—	17	<0.5	96	30
	05/22/97	NLPH	10.92	NA	—	1,300	<30	—	2.5	8	68	8.7
	a											
	03/05/98	—	—	—	—	—	—	—	—	—	—	—
	05/18/98	NLPH	9.14	NA	—	62	<2.5	—	<0.5	<0.5	<0.5	<0.5
(208.17)	08/17/98	NLPH	11.47	196.7	58	75	16	—	1.1	<0.5	1.0	0.83
	11/17/98	NLPH	11.52	196.7	73	95	47	—	<0.5	0.68	0.74	1.3
	02/10/99	NLPH	6.91	201.3	67	190	4.1	—	1.1	<0.5	7.4	4.7
	05/11/99	NLPH	10.01	198.2	59.0	125	2.22	—	<0.5	<0.5	0.772	<0.5
	08/10/99	NLPH	12.07	196.1	117	559	48.2	—	1.35	0.795	8.72	10.5
	11/22/99	NLPH	11.38	196.8	82	400	52	—	<0.5	<0.5	1.5	5.75
	02/09/00	NLPH	8.90	199.3	80	120	6.7	—	<0.5	<0.5	1.6	0.65
	05/30/00	NLPH	8.57	199.6	—	—	—	—	—	—	—	—
	06/06/00	NLPH	10.66	197.5	56	580	<2	—	3.6	<0.5	6.9	4.9
	09/13/00	NLPH	13.23	194.9	51	140	63	—	1.2	1.1	0.75	1.3
	12/08/00	NLPH	11.52	196.7	250c	260	120	—	<0.5	<0.5	<0.5	1.78
	01/18/01	NLPH	10.31	197.9	110c	130	45	—	0.97	<0.5	<0.5	<0.5
	05/31/01	NLPH	10.19	198.0	<50	58	3.5	19	d	<0.5	<0.5	<0.5
	08/31/01	NLPH	13.35	194.8	880	290	50	54	1.5	<0.5	<0.5	1.1
	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
	11/29/01	NLPH	8.90	199.3	130	380	140		<0.5	<0.5	<0.5	<0.5
	02/22/02	NLPH	8.52	199.7	<50.0	133	5.90	2.4	0.70	<0.50	1.10	0.50
	05/21/02	NLPH	10.28	197.9	<50	215	9.1	—	0.7	<0.5	<0.5	0.9
	09/03/02	NLPH	13.11	195.1	<50	439	15.7	9.40	1.5	<0.5	0.9	0.8
	11/27/02	NLPH	12.32	195.9	<50	522	121	102	2.3	0.7	1.1	2.5
	02/28/03	NLPH	9.46	198.7	<50	100	4.05	4.20	0.60	<0.5	<0.5	<0.5
	05/21/03	NLPH	9.60	198.6	<50	<50.0	1.6	0.90	<0.50	<0.5	<0.5	<0.5
	09/02/03	NLPH	12.76	195.4	<50	<50.0	31.6	—	<0.50	<0.5	<0.5	<0.5
	11/26/03	NLPH	12.31	195.9	227	417	129	105	4.30	0.5	<0.5	<0.5
	02/12/04	NLPH	9.11	199.1	<50	<50.0	—	3.20	<0.50	<0.5	<0.5	<0.5
	04/26/04	NLPH	10.25	197.9	52	328	11.5	6.90	3.80	0.6	<0.5	0.8
	07/26/04	g	g	g	<50g	<50.0g	3.2g	2.50g	<0.50g	<0.5g	<0.5g	<0.5g
	10/18/04	g	g	g	255e,g	667g	—	18.6g	<0.50g	<0.50g	<0.50g	<0.50g
	11/24/04	NLPH	11.85	196.3	—	—	—	—	—	—	—	—
	01/10/05	NLPH	7.79	200.38	—	—	—	—	—	—	—	—
	01/11/05	—	—	—	62e	82.1	—	1.70	<0.50	<0.50	1.70	<0.50
MW20A	01/10/05	NLPH	8.17	199.69	—	—	—	—	—	—	—	—
(207.86)	01/11/05	—	—	—	57e	<50.0	—	2.70	<0.50	<0.50	<0.50	1.00
MW20C	01/10/05	NLPH	7.37	199.97	—	—	—	—	—	—	—	—
(207.34)	01/11/05	—	—	—	299e	<50.0	—	0.80	<0.50	<0.50	<0.50	<0.50
MW21A	01/10/05	NLPH	8.88	198.75	—	—	—	—	—	—	—	—
(207.63)	01/11/05	—	—	—	133e	256	—	58.5	2.60	0.70	0.60	1.60
MW21B	01/10/05	NLPH	8.33	199.37	—	—	—	—	—	—	—	—
(207.70)	01/11/05	—	—	—	137e	79.5	—	60.5	<0.50	<0.50	<0.50	1.00
MW21C	01/10/05	NLPH	7.53	199.52	—	—	—	—	—	—	—	—
(207.05)	01/11/05	—	—	—	214e	<50.0	—	<0.50	<0.50	<0.50	<0.50	1.00
MW22	01/10/05	NLPH	9.42	198.22	—	—	—	—	—	—	—	—
(207.64)	01/11/05	—	—	—	<50	<50.0	—	2.20	<0.50	<0.50	<0.50	<0.50
RW1	Groundwater recovery well, not monitored or sampled since 2/22/94.											
(206.96)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										
RW2	Groundwater recovery well, not monitored or sampled since 2/22/94.											
(207.51)	11/01/01	Well surveyed in compliance with AB 2886 requirements.										

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Notes:

TOC	=	Elevation of top of well casing; datum is to mean sea level.
SUBJ	=	Results of subjective evaluation.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; datum is to mean sea level.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertairy butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
NLPH	=	No liquid-phase hydrocarbons present in well.
<	=	Less than the indicated reporting limit shown by the laboratory.
NA	=	Not applicable.
—	=	Not sampled/ Not analyzed/ Not measured.
a	=	Third and fourth quarter 1997 analytical data not available.
b	=	MTBE analyzed using EPA Method 8260B.
c	=	Diesel-range hydrocarbons reportedly detected in baller blank; result is suspect.
d	=	Not analyzed due to laboratory error.
e	=	Diesel-range hydrocarbons reported in sample; however, the chromatogram pattern is not representative of diesel fuel.
f	=	Samples not received by laboratory.
g	=	Groundwater data invalidated; analytical results suspect.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 1 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<.....ug/L.....>						
MW1	UST observation well, not monitored or sampled since 2/22/94.							
MW2	UST observation well, not monitored or sampled since 2/22/94.							
MW3	UST observation well, not monitored or sampled since 2/22/94.							
MW4	UST observation well, not monitored or sampled since 2/22/94.							
MW5	03/05/98	<50	<50	<2,500	<50	<50	<50	<12,000
	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	09/02/03	<0.50	<0.50	82.6	<0.50	2.10	<0.50	—
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/26/04	—	—	—	—	—	—	<50.0
	07/26/04	—	—	22.0	—	—	—	<50.0
	10/18/04	<0.50	<0.50	40.8	—	—	<0.50	<50.0
	01/11/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**3.60**	**<0.50**	**<50.0**
MW5C	**01/11/05**	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW6	03/05/98	<2.0	<2.0	<100	<2.0	<2.0	<2.0	<500
	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/26/04	—	—	—	—	—	—	<50.0
	07/26/04	—	—	<10.0	—	—	—	<50.0
	10/18/04	<0.50	<0.50	<10.0	—	—	<0.50	<50.0
	01/10/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW7	03/05/98	<50	<50	<2,500	<50	<50	<50	<12,000
	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	09/02/03	<0.50	<0.50	63.7	<0.50	<0.50	<0.50	—
	11/26/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/26/04	—	—	—	—	—	—	<50.0
	07/26/04	—	—	<10.0	—	—	—	<50.0
	10/18/04	<0.50	<0.50	<10.0	—	—	<0.50	<50.0
	01/10/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW8	02/28/03	—	—	30.8	—	—	—	—
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—
	04/26/04	—	—	—	—	—	—	<50.0
	07/26/04	—	—	<10.0	—	—	—	<50.0
	10/18/04	<0.50	<0.50	<10.0	—	—	<0.50	<50.0
	01/10/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 2 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<.....ug/L.....>						
MW9	03/05/98	<2.0	<2.0	180	<2.0	<2.0	<2.0	<500
	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0	---	---	---	<50.0
	10/18/04	<0.50	<0.50	<10.0	---	---	<0.50	<50.0
	01/10/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW10	02/28/03	---	---	40.6	---	---	---	---
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	25.0	---	---	---	<50.0
	10/18/04	f	f	f	f	f	f	f
	01/11/05	**<0.50**	**<0.50**	**11.2**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW11	03/05/98	<2.0	<2.0	<100	<2.0	<2.0	<2.0	<500
	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0	---	---	---	<50.0
	10/18/04	<0.50	<0.50	<10.0	---	---	<0.50	<50.0
	01/10/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW12	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0	---	---	---	<50.0
	10/18/04	<0.50g	<0.50g	<10.0g	---	---	<0.50g	<50.0g
	01/10/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW13	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0	---	---	---	<50.0
	10/18/04	<0.50g	<0.50g	<10.0g	---	---	<0.50g	<50.0g
	01/11/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW14	02/18/97	Well destroyed						

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
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Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<.....ug/L.....>						
MW15	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0g	---	---	---	<50.0g
	10/18/04	<0.50g	<0.50g	67.3g	---	---	<0.50g	<50.0g
	01/11/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW16	02/28/03	---	---	42.3	---	---	---	---
	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	99g	---	---	---	<50.0g
	10/18/04	<0.50g	<0.50g	<10.0g	---	---	<0.50g	<50.0g
	01/11/05	**<0.50**	**<0.50**	**35.5**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW17	09/02/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0	---	---	---	<50.0
	10/18/04	f	f	f	f	f	f	f
	01/10/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW18	02/28/03	---	---	44.3	---	---	---	---
	09/02/03	<0.50	<0.50	69.2	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0	---	---	---	<50.0
	10/18/04	<0.50	<0.50	82.4	---	---	<0.50	<50.0
	01/10/05	**<0.50**	**<0.50**	**13.6**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW19	02/28/03	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	09/02/03	<0.50	<0.50	104.0	<0.50	<0.50	<0.50	---
	02/12/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---
	04/26/04	---	---	---	---	---	---	<50.0
	07/26/04	---	---	<10.0g	---	---	---	<50.0g
	10/18/04	<0.50g	<0.50g	11.7g	---	---	<0.50g	<50.0g
	01/11/05	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW20A	**01/11/05**	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW20C	**01/11/05**	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW21A	**01/11/05**	**<0.50**	**<0.50**	**12.9**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW21B	**01/11/05**	**<0.50**	**<0.50**	**16.2**	**<0.50**	**<0.50**	**<0.50**	**<50.0**

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 4 of 4)

Well ID #	Sampling Date	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
		<.....ug/L.....>						
MW21C	**01/11/05**	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
MW22C	**01/11/05**	**<0.50**	**<0.50**	**<10.0**	**<0.50**	**<0.50**	**<0.50**	**<50.0**
RW1	Groundwater recovery well, not monitored or sampled since 2/22/94.							
RW2	Groundwater recovery well, not monitored or sampled since 2/22/94.							

Notes:

TOC	=	Elevation of top of well casing; datum is to mean sea level.
SUBJ	=	Results of subjective evaluation.
DTW	=	Depth to water.
Elev.	=	Elevation of groundwater surface; datum is to mean sea level.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertairy butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
NA	=	Not applicable.
—	=	Not sampled/ Not analyzed/ Not measured.
a	=	Third and fourth quarter 1997 analytical data not available.
b	=	MTBE analyzed using EPA Method 8260B.
c	=	Diesel-range hydrocarbons reportedly detected in bailer blank; result is suspect.
d	=	Not analyzed due to laboratory error.
e	=	Diesel-range hydrocarbons reported in sample; however, the chromatogram pattern is not representative of diesel fuel.
f	=	Samples not received by laboratory.
g	=	Groundwater data invalidated; analytical results suspect.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 1 of 2)

Well ID	Well Installation	Elevation TOC (feet)	Casing Material	Total Depth (ft bgs)	Well Depth (ft bgs)	Borehole Diameter (in)	Casing Diameter (in)	Screened Interval (ft bgs)	Depth to Water (ft bgs) b	Slot Size (in)	Filter Pack Interval (ft bgs)	Filter Pack Material	Water-Bearing Zone
MW1	7/1986	208.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Upper
MW2	7/1986	207.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Upper
MW3	7/1986	208.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Upper
MW4	7/1986	208.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Upper
MW5	12/16/86	208.13	PVC	30	30	7.5	2	8-30	18.5	0.020	5-25	#6 Monterey Sand	Upper
MW5C	11/15/04	208.36	PVC	64.5	57.5	8-15	2	52-57	15.0	0.020	51-58	#3 Sand	Lower
MW6	12/16/86	208.24	PVC	24.5	24.5	7.5	2	8-24.5	11.5	0.020	5-24.5	#6 Monterey Sand	Upper
MW7	12/16/86	208.23	PVC	24.5	24.5	7.5	2	8-24.5	11.5	0.020	5-24.5	#6 Monterey Sand	Upper
MW8	06/29/87	207.63	PVC	35	35	7.5	2	8-35	13.0	0.020	4-35	#6 Monterey Sand	Upper
MW9	06/29/87	207.39	PVC	35	35	7.5	2	8-35	10.25	0.020	4-35	#6 Monterey Sand	Upper
MW10	06/30/87	206.97	PVC	35	35	7.5	2	8-35	10.25	0.020	4-35	#6 Monterey Sand	Upper
MW11	4/21/1988	208.02	PVC	35	35	10	4	7-35	9.5	0.020	4.5-35	sand	Upper
MW12	4/21/1988	208.62	PVC	26.5	25.5	10	4	7-25.5	15	0.020	4.5-26.5	sand	Upper
MW13	4/21/1988	207.85	PVC	35	35	10	4	7-35	10.5	0.020	5-35	sand	Upper
MW14	12/07/89	207.43	PVC	50	50	10	4	35-50	12	0.020	31-50	sand	Upper
MW15	12/08/89	207.80	PVC	50	50	10	4	36-50	NA	0.020	32-50	sand	Lower
MW16	12/09/89	207.41	PVC	30	30	10	4	12-30	11	0.020	9-30	sand	Upper
MW17	12/09/89	208.34	PVC	30	30	10	4	24-30	15	0.020	18-30	sand	Upper
MW18	08/19/93	207.58	PVC	22	20.5	10	2	5.5-20.5	11.2	0.020	3.5-20.5	#2/12 Lonestar Sand	Upper
MW19	11/25/96	208.29	PVC	31.5	25	10	4	5-20	12.5	0.020	2-31.5	#3 Monterey Sand	Upper

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 2 of 2)

Well ID	Well Installation	Elevation TOC (feet)	Casing Material	Total Depth (ft bgs)	Well Depth (ft bgs)	Borehole Diameter (in)	Casing Diameter (in)	Screened Interval (ft bgs)	Depth to Water (ft bgs) b	Slot Size (in)	Filter Pack Interval (ft bgs)	Filter Pack Material	Water-Bearing Zone
MW20A	11/17/04	207.86	PVC	21.5	21	8	2	10-19.5	15.0	0.020	9-20	#3 Sand	Upper
MW20C	11/16/04	207.34	PVC	64	57.5	8-15	2	52-57	25.0	0.020	51-58	#3 Sand	Lower
MW21A	11/17/04	207.63	PVC	21.5	20	8	2	10-19.5	15.0	0.020	9-20	#3 Sand	Upper
MW21B	11/17/04	207.70	PVC	33.5	33.5	8-15	2	28.33	20.0	0.020	27-33.5	#3 Sand	Intermediate
MW21C	11/16/04	207.05	PVC	52.5	52.5	8-15	2	47-52	15.0	0.020	46-52.5	#3 Sand	Lower
MW22	11/19/04	207.64	PVC	20	18.5	8-15	2	8-18	11.0	0.020	7-18.5	#3 Sand	Upper
RW1	6/4/1990	206.96	steel	40	40	24	12	10-40	11.0	0.020	7.5-40	#2 Monterey Sand	Upper
RW2	12/17/91	207.51	NA	40	40	NA	NA	10-40	NA	NA	NA	NA	Upper
AS/SVE1	07/13/98	NA	PVC	22	SVE=12 AS=22	10	1/2"	SVE=5-12 AS=19-22	12	0.010	SVE=3-12 AS=15-22	#2/12 Lonestar Sand Sand	Upper
W-3725	07/21/77	NA	steel	85	85	20	6 5/8	45-85	15	3/16 X 6	20-85	3/8" pea gravel	NA
W-1175	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

MW1	=	On and off-site groundwater monitoring well.
RW1	=	On-site groundwater recovery well.
AS/SVE1	=	On-site air-sparge/soil vapor extraction well.
W-3725	=	Domestic well located at 3725 Mayette Avenue.
W-1175	=	Domestic well located at 1175 Harvard Drive.
NA	=	Not available/Not applicable.
PVC	=	Schedule #40 poly-vinyl-chloride piping.
ft msl	=	feet above mean sea level
TOC	=	top of casing
ft bgs	=	feet below ground surface
a	=	Top of casing elevation taken from most recent surveying data.
b	=	Depth to water data taken from initial water level measured in the field during well installation activities.

TABLE 3
CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 1 of 3)

Sample ID	Depth (feet bgs)	Date	TPHD	TPHG	MTBE	B	T	E	X	Total Lead	ETBE	TAME	TBA	1,2-DCA	DIPE	Ethanol
			<-mg/kg->													
MW-5-5,10	Comp.	12/16/86	NA	160	NA	3.70	6.80	NA	22.0	11.0	NA	NA	NA	NA	NA	NA
MW5-15	15	12/16/86	NA	61.0	NA	5.60	0.50	NA	8.5	7.2	NA	NA	NA	NA	NA	NA
MW6-5,10	Comp.	12/16/86	NA	5.1	NA	0.20	<0.1	NA	0.4	7.2	NA	NA	NA	NA	NA	NA
MW6-15	15	12/16/86	NA	290	NA	9.60	3.0	NA	7.3	7.6	NA	NA	NA	NA	NA	NA
MW7-10	10	12/16/86	NA	1300	NA	36.0	93.0	NA	140	8.6	NA	NA	NA	NA	NA	NA
MW8-4	4	06/29/87	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW8-9	9	06/29/87	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW8-14	14	06/29/87	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW9-4	4	06/29/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW9-9	9	06/29/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW9-14	14	06/29/87	NA	NA	NA	1.1	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW10-4	4	06/30/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW10-9	9	06/30/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW10-14	14	06/30/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW11-4	4	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW11-11	11	04/21/88	NA	1500	NA	ND	ND	24.00	91	NA	NA	NA	NA	NA	NA	NA
MW11-15.5	15.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW12-5.5	5.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW12-10.5	10.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW12-15.5	15.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW13-5.5	5.5	04/22/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW13-10.5	10.5	04/22/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW13-15.5	15.5	04/22/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW14-8.5	8.5	12/07/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW14-15.5	15.5	12/07/89	NA	240	NA	3	ND	6	20	NA	NA	NA	NA	NA	NA	NA
MW14-23	23	12/07/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW15-15	15	12/08/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW16-4	4	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW16-7	7	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW17-7.5	7.5	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW17-12.5	12.5	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA

TABLE 3
CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 2 of 3)

Sample ID	Depth (feet bgs)	Date	TPHD	TPHG	MTBE	B	T	E	X	Total Lead	ETBE	TAME	TBA	1,2-DCA	DIPE	Ethanol
				<----------					mg/kg						---------->	
RW1-5	5	06/04/90	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.015	NA	NA	NA	NA	NA	NA	NA
RW1-8	8	06/04/90	NA	1.0	NA	0.03	<0.005	<0.005	0.02	NA	NA	NA	NA	NA	NA	NA
RW1-10.5	10.5	06/04/90	NA	7.0	NA	0.43	<0.005	0.04	0.04	NA	NA	NA	NA	NA	NA	NA
RW1-12	12	06/04/90	NA	100	NA	0.92	0.26	4.0	9.0	NA	NA	NA	NA	NA	NA	NA
RW1-24.5	24.5	06/04/90	NA	8.0	NA	0.35	0.05	0.39	0.8	NA	NA	NA	NA	NA	NA	NA
MW18-8.5	8.5	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
MW18-11	11	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
MW19-5	5	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
MW19-10	10	11/25/96	NA	110	NA	<0.3	0.46	1.30	2.90	NA	NA	NA	NA	NA	NA	NA
MW19-15	15	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.015	NA	NA	NA	NA	NA	NA	NA
MW-19-30	30	11/25/96	NA	1	NA	<0.005	0.01	0.02	0.02	NA	NA	NA	NA	NA	NA	NA
B22/AS/SVE1	8	07/13/98	5.7	14.0	<0.062	0.43	0.07	0.39	0.14	NA	NA	NA	NA	NA	NA	NA
S-10-MW5C	10	11/15/04	73.8	81.3	3,940	<0.206	0.413	0.722	71.6	229	---	<0.206	<0.206	<0.206	<0.206	<0.206
S-20-MW5C	20	11/15/04	72	<10.0	<6.00	<0.975	<0.975	<0.975	<0.975	0.156	---	<0.975	<0.975	<0.975	<0.975	<0.975
S-10-MW20C	10	11/16/04	70.0	<9.96	<7.05	<0.0014	<0.0014	<0.0014	<0.0068	<0.0170	---	<0.0014	<0.0014	<0.00136	<0.0014	<0.0014
S-15-MW20C	15	11/16/04	67.4	<10.0	<5.34	<0.0015	<0.0015	<0.0015	<0.0037	<0.0074	---	<0.0015	<0.0015	<0.00147	<0.0015	<0.0015
S-15-MW21C	15	11/16/04	72.3	<10.0	<5.48	0.0131	0.0043	0.0024	0.0045	0.0131	---	<0.0011	<0.0011	<0.00112	<0.0011	<0.0011
S-20-MW21C	20	11/16/04	70.7	<10.0	<5.68	0.0037	<0.0013	<0.0013	<0.0013	<0.0013	---	<0.0013	<0.0013	<0.00130	<0.0013	<0.0013
S-10-MW21B	10	11/17/04	77.3	<10.1	<5.03	0.0032	0.0025	<0.0012	<0.0012	<0.0012	---	<0.0012	<0.0012	<0.00118	<0.0012	<0.0012
S-15-MW21B	15	11/17/04	68.1	<9.88	<5.00	0.0120	0.0061	<0.0012	<0.0012	<0.0012	---	<0.0012	<0.0012	<0.00120	<0.0012	<0.0012
S-10-MW21A	10	11/17/04	77.2	<10.0	<5.02	<0.0030	0.0026	<0.0013	<0.0013	<0.0013	---	<0.0013	<0.0013	<0.00129	<0.0013	<0.0013
S-15-MW21A	15	11/17/04	69.6	<9.84	<4.99	0.0107	0.0080	<0.0012	<0.0012	<0.0012	---	<0.0012	<0.0012	<0.00117	<0.0012	<0.0012
S-10-MW20A	10	11/17/04	75.9	<9.88	<5.00	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	---	<0.0013	<0.0013	<0.00129	<0.0013	<0.0013
S-15-MW20A	15	11/17/04	71.5	<9.92	<4.96	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	---	<0.0014	<0.0014	<0.00139	<0.0014	<0.0014
S-10-MW22	10	11/19/04	---	---	<5.00	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	---	<0.0011	<0.0011	<0.00112	<0.0011	<0.0011
S-20.5-MW22	20.5	11/19/04	74.2	<10.0	<5.03	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	---	<0.0020	<0.0020	<0.00199	<0.0020	<0.0020

TABLE 3
CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Notes:

MW5-15	=	Sample ID-Depth.
S-10-MW5C	=	Soil-Sample Depth-Boring.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
Total Lead	=	Total lead analyzed using EPA Method 6010.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
bgs	=	Below ground surface.
Comp.	=	Composite sample.
µg/L	=	Micrograms per liter.
—	=	Not sampled/Not analyzed.
<	=	Not detected at or above the laboratory method reporting limit.
NA	=	Not analyzed.
ND	=	Not detected at or above the laboratory method reporting limit.
a	=	Diesel-range hydrocarbons reported in sample; however, the chromatogram pattern is not representative of diesel fuel.

Table 4
Groundwater Grab Sample Analytical Results
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 1 of 1)

Sample ID	Depth (feet bgs)	Date	TPHD	TPHG	MTBE	B	T	E	X	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
					<—mg/kg—									—>		
W-26-DP1	26	07/16/04	<100	415	109	1.00	1.00	0.70	6.10	<0.50	<0.50	66.6	<0.50	<0.50	<0.50	<50.0
W-40-DP1	40	07/16/04	<200	113	3.90	<0.50	<0.50	6.50	23.8	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-64-DP1	64	07/16/04	<222	224	0.80	<0.50	<0.50	12.7	43.2	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-14-15-DP	14.5	07/19/04	—	356	119	7.20	0.80	<0.50	0.70	<0.50	<0.50	28.0	<0.50	<0.50	<0.50	<50.0
W-48-52-DP	50	07/19/04	<71	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-30-DP3	30	07/15/04	<56	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-48-DP3	48	07/15/04	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-59-DP3	59	07/15/04	<56	<50.0	<0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-81-DP3	81	07/15/04	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-18-DP4	18	07/16/04	880	128	39.6	1.20	<0.50	1.40	1.80	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-29-DP4	29	07/16/04	<71	<50.0	21.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	0.90	<0.50	<50.0
W-55-DP4	55	07/16/04	<56	<50.0	0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-77-DP4	77	07/16/04	<56	<50.0	0.80	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-14-DP5	14	08/11/04	59	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-30-DP5	30	08/11/04	62	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0

Notes:

W-10-DP4	=	Water-Sample Depth-Boring.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
bgs	=	Below ground surface.
µg/L	=	Micrograms per liter.
—	=	Not sampled/Not analyzed.
<	=	Not detected at or above the laboratory method reporting limit.

TABLE 3
CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 1 of 3)

Sample ID	Depth (feet bgs)	Date	TPHD	TPHG	MTBE	B	T	E	X	Total Lead	ETBE	TAME	TBA	1,2-DCA	DIPE	Ethanol
				<--------					mg/kg						-------->	
MW-5-5,10	Comp.	12/16/86	NA	160	NA	3.70	6.80	NA	22.0	11.0	NA	NA	NA	NA	NA	NA
MW5-15	15	12/16/86	NA	61.0	NA	5.60	0.50	NA	8.5	7.2	NA	NA	NA	NA	NA	NA
MW6-5,10	Comp.	12/16/86	NA	5.1	NA	0.20	<0.1	NA	0.4	7.2	NA	NA	NA	NA	NA	NA
MW6-15	15	12/16/86	NA	290	NA	9.60	3.0	NA	7.3	7.6	NA	NA	NA	NA	NA	NA
MW7-10	10	12/16/86	NA	1300	NA	36.0	93.0	NA	140	8.6	NA	NA	NA	NA	NA	NA
MW8-4	4	06/29/87	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW8-9	9	06/29/87	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW8-14	14	06/29/87	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW9-4	4	06/29/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW9-9	9	06/29/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW9-14	14	06/29/87	NA	NA	NA	1.1	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW10-4	4	06/30/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW10-9	9	06/30/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW10-14	14	06/30/87	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
MW11-4	4	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW11-11	11	04/21/88	NA	1500	NA	ND	ND	24.00	91	NA	NA	NA	NA	NA	NA	NA
MW11-15.5	15.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW12-5.5	5.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW12-10.5	10.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW12-15.5	15.5	04/21/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW13-5.5	5.5	04/22/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW13-10.5	10.5	04/22/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW13-15.5	15.5	04/22/88	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW14-8.5	8.5	12/07/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW14-15.5	15.5	12/07/89	NA	240	NA	3	ND	6	20	NA	NA	NA	NA	NA	NA	NA
MW14-23	23	12/07/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW15-15	15	12/08/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW16-4	4	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW16-7	7	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW17-7.5	7.5	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
MW17-12.5	12.5	12/09/89	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA

TABLE 3
CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
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Sample ID	Depth (feet bgs)	Date	TPHD	TPHG	MTBE	B	T	E	X	Total Lead	ETBE	TAME	TBA	1,2-DCA	DIPE	Ethanol
				<----------					mg/kg						---------->	
RW1-5	5	06/04/90	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.015	NA	NA	NA	NA	NA	NA	NA
RW1-8	8	06/04/90	NA	1.0	NA	0.03	<0.005	<0.005	0.02	NA	NA	NA	NA	NA	NA	NA
RW1-10.5	10.5	06/04/90	NA	7.0	NA	0.43	<0.005	0.04	0.04	NA	NA	NA	NA	NA	NA	NA
RW1-12	12	06/04/90	NA	100	NA	0.92	0.26	4.0	9.0	NA	NA	NA	NA	NA	NA	NA
RW1-24.5	24.5	06/04/90	NA	8.0	NA	0.35	0.05	0.39	0.8	NA	NA	NA	NA	NA	NA	NA
MW18-8.5	8.5	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
MW18-11	11	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
MW19-5	5	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA
MW19-10	10	11/25/96	NA	110	NA	<0.3	0.46	1.30	2.90	NA	NA	NA	NA	NA	NA	NA
MW19-15	15	11/25/96	NA	<1.0	NA	<0.005	<0.005	<0.005	<0.015	NA	NA	NA	NA	NA	NA	NA
MW-19-30	30	11/25/96	NA	1	NA	<0.005	0.01	0.02	0.02	NA	NA	NA	NA	NA	NA	NA
B22/AS/SVE1	8	07/13/98	5.7	14.0	<0.062	0.43	0.07	0.39	0.14	NA	NA	NA	NA	NA	NA	NA
S-10-MW5C	10	11/15/04	73.8	**81.3**	**3,940**	<0.206	**0.413**	**0.722**	**71.6**	**229**	---	<0.206	<0.206	<0.206	<0.206	<0.206
S-20-MW5C	20	11/15/04	72	<10.0	<6.00	<0.975	<0.975	<0.975	<0.975	**0.156**	---	<0.975	<0.975	<0.975	<0.975	<0.975
S-10-MW20C	10	11/16/04	70.0	<9.96	<7.05	<0.0014	<0.0014	<0.0014	<0.0068	<0.0170	---	<0.0014	<0.0014	<0.00136	<0.0014	<0.0014
S-15-MW20C	15	11/16/04	67.4	<10.0	<5.34	<0.0015	<0.0015	<0.0015	<0.0037	<0.0074	---	<0.0015	<0.0015	<0.00147	<0.0015	<0.0015
S-15-MW21C	15	11/16/04	72.3	<10.0	<5.48	**0.0131**	**0.0043**	**0.0024**	**0.0045**	**0.0131**	---	<0.0011	<0.0011	<0.00112	<0.0011	<0.0011
S-20-MW21C	20	11/16/04	70.7	<10.0	<5.68	**0.0037**	<0.0013	<0.0013	<0.0013	<0.0013	---	<0.0013	<0.0013	<0.00130	<0.0013	<0.0013
S-10-MW21B	10	11/17/04	77.3	<10.1	<5.03	**0.0032**	**0.0025**	<0.0012	<0.0012	<0.0012	---	<0.0012	<0.0012	<0.00118	<0.0012	<0.0012
S-15-MW21B	15	11/17/04	68.1	<9.88	<5.00	**0.0120**	**0.0061**	<0.0012	<0.0012	<0.0012	---	<0.0012	<0.0012	<0.00120	<0.0012	<0.0012
S-10-MW21A	10	11/17/04	77.2	<10.0	<5.02	<0.0030	**0.0026**	<0.0013	<0.0013	<0.0013	---	<0.0013	<0.0013	<0.00129	<0.0013	<0.0013
S-15-MW21A	15	11/17/04	69.6	<9.84	<4.99	**0.0107**	**0.0080**	<0.0012	<0.0012	<0.0012	---	<0.0012	<0.0012	<0.00117	<0.0012	<0.0012
S-10-MW20A	10	11/17/04	75.9	<9.88	<5.00	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	---	<0.0013	<0.0013	<0.00129	<0.0013	<0.0013
S-15-MW20A	15	11/17/04	71.5	<9.92	<4.96	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	---	<0.0014	<0.0014	<0.00139	<0.0014	<0.0014
S-10-MW22	10	11/19/04	---	---	<5.00	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	---	<0.0011	<0.0011	<0.00112	<0.0011	<0.0011
S-20.5-MW22	20.5	11/19/04	74.2	<10.0	<5.03	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	---	<0.0020	<0.0020	<0.00199	<0.0020	<0.0020

TABLE 3
CUMULATIVE SOIL SAMPLE ANALYTICAL RESULTS
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

Notes:

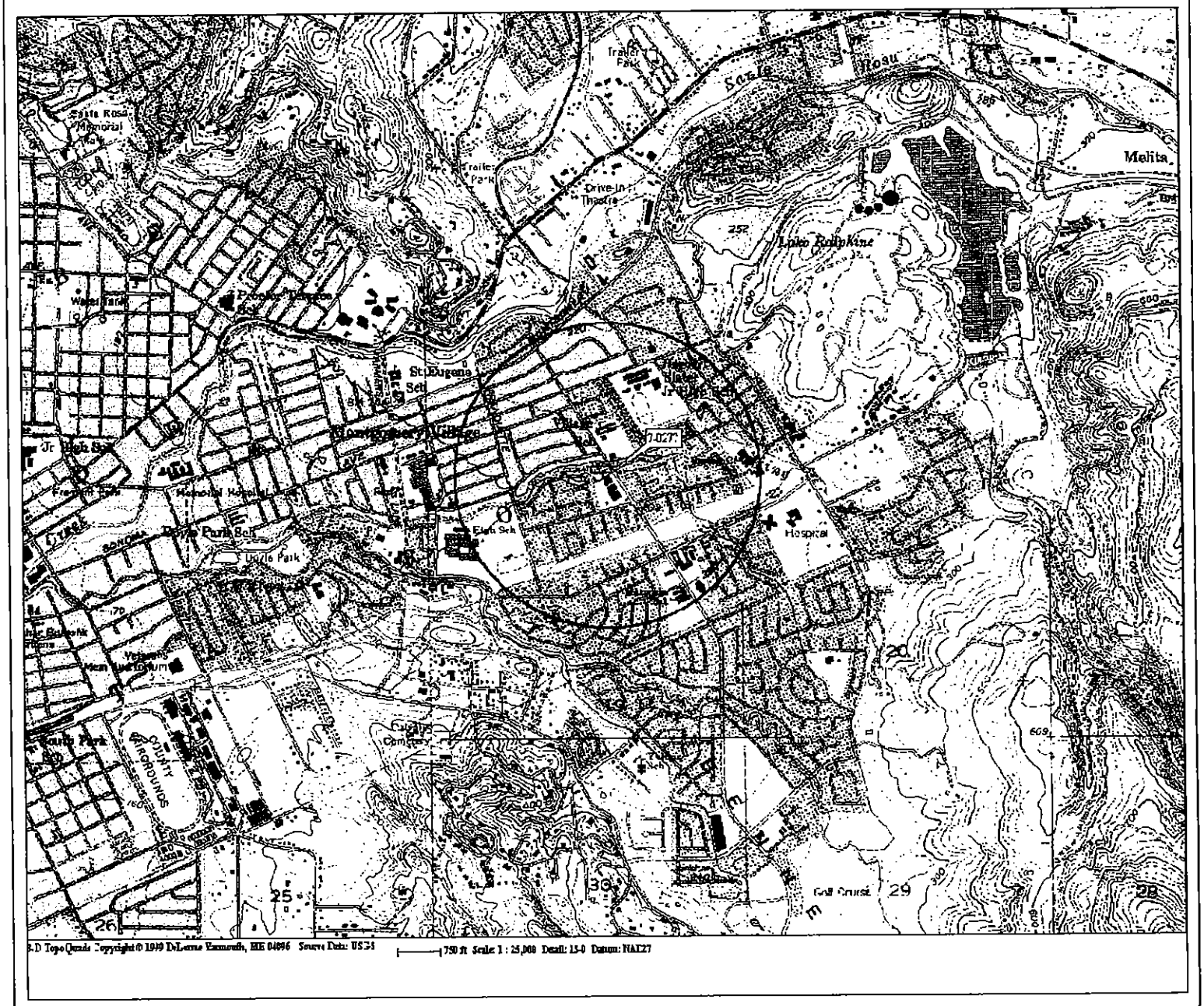
MW5-15	=	Sample ID-Depth.
S-10-MW5C	=	Soil-Sample Depth-Boring.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
Total Lead	=	Total lead analyzed using EPA Method 6010.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
bgs	=	Below ground surface.
Comp.	=	Composite sample.
µg/L	=	Micrograms per liter.
---	=	Not sampled/Not analyzed.
<	=	Not detected at or above the laboratory method reporting limit.
NA	=	Not analyzed.
ND	=	Not detected at or above the laboratory method reporting limit.
a	=	Diesel-range hydrocarbons reported in sample; however, the chromatogram pattern is not representative of diesel fuel.

Table 4
Groundwater Grab Sample Analytical Results
Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California
(Page 1 of 1)

Sample ID	Depth (feet bgs)	Date	TPHD	TPHG	MTBE	B	T	E	X	ETBE	TAME	TBA	EDB	1,2-DCA	DIPE	Ethanol
					<——mg/kg——>											
W-26-DP1	26	07/16/04	<100	**415**	**109**	**1.00**	**1.00**	**0.70**	**6.10**	<0.50	<0.50	**66.6**	<0.50	<0.50	<0.50	<50.0
W-40-DP1	40	07/16/04	<200	**113**	**3.90**	<0.50	<0.50	**6.50**	**23.8**	<0.50	<0.50	**<10.0**	<0.50	<0.50	<0.50	<50.0
W-64-DP1	64	07/16/04	<222	**224**	**0.80**	<0.50	<0.50	12.7	43.2	<0.50	<0.50	**<10.0**	<0.50	<0.50	<0.50	<50.0
W-14-15-DP	14.5	07/19/04	—	**356**	**119**	**7.20**	**0.80**	<0.50	**0.70**	<0.50	<0.50	**28.0**	<0.50	<0.50	<0.50	<50.0
W-48-52-DP	50	07/19/04	<71	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-30-DP3	30	07/15/04	<56	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-48-DP3	48	07/15/04	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-59-DP3	59	07/15/04	<56	<50.0	<0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-81-DP3	81	07/15/04	—	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-18-DP4	18	07/16/04	**880**	**128**	**39.6**	**1.20**	<0.50	**1.40**	**1.80**	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-29-DP4	29	07/16/04	<71	<50.0	**21.6**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	**0.90**	<0.50	<50.0
W-55-DP4	55	07/16/04	<56	<50.0	**0.90**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-77-DP4	77	07/16/04	<56	<50.0	**0.80**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-14-DP5	14	08/11/04	**59**	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0
W-30-DP5	30	08/11/04	**62**	<50.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0

Notes:

W-10-DP4	=	Water-Sample Depth-Boring.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 3510/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B Prior to July 2004, analyzed using EPA Method 8020A.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-Dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-Dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
bgs	=	Below ground surface.
µg/L	=	Micrograms per liter.
—	=	Not sampled/Not analyzed.
<	=	Not detected at or above the laboratory method reporting limit.



EXPLANATION

1/2-mile radius circle

N

APPROXIMATE SCALE

0 0.5 1 mile

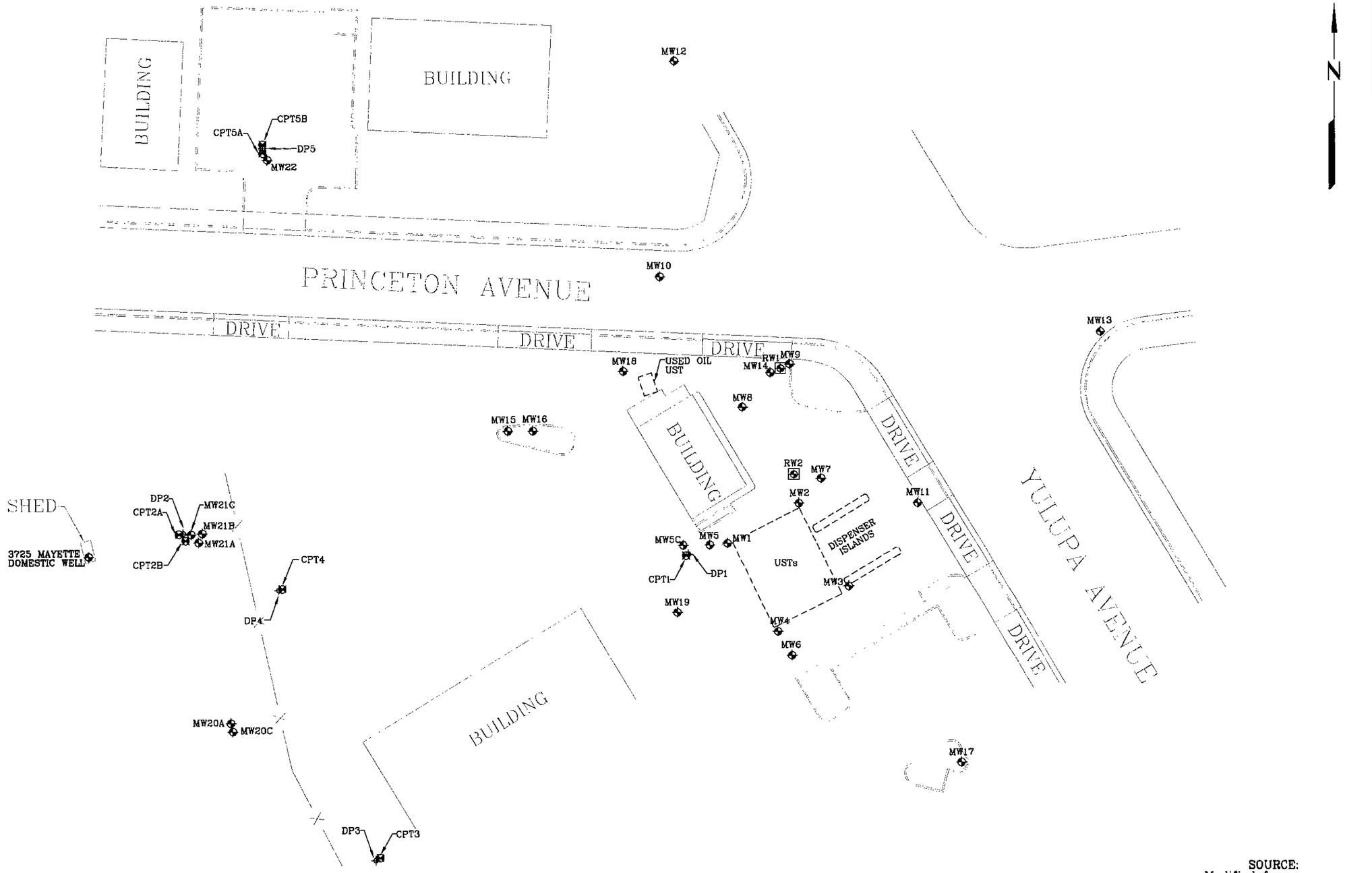
SOURCE:
Modified from a map provided by DeLorme 3-D TopoQuads

ERI ENVIRONMENTAL RESOLUTIONS, INC.

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 7-0277
1101 Yulupa Avenue
Santa Rosa, California

PROJECT NO.
2101
PLATE
1



FN 21010006

SOURCE:
Modified from a map provided by Morrow Surveying

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GENERALIZED SITE PLAN

FORMER
EXXON SERVICE STATION 7-0277
1101 Yulupa Avenue
Santa Rosa, California

EXPLANATION

MW21B Groundwater Monitoring Well

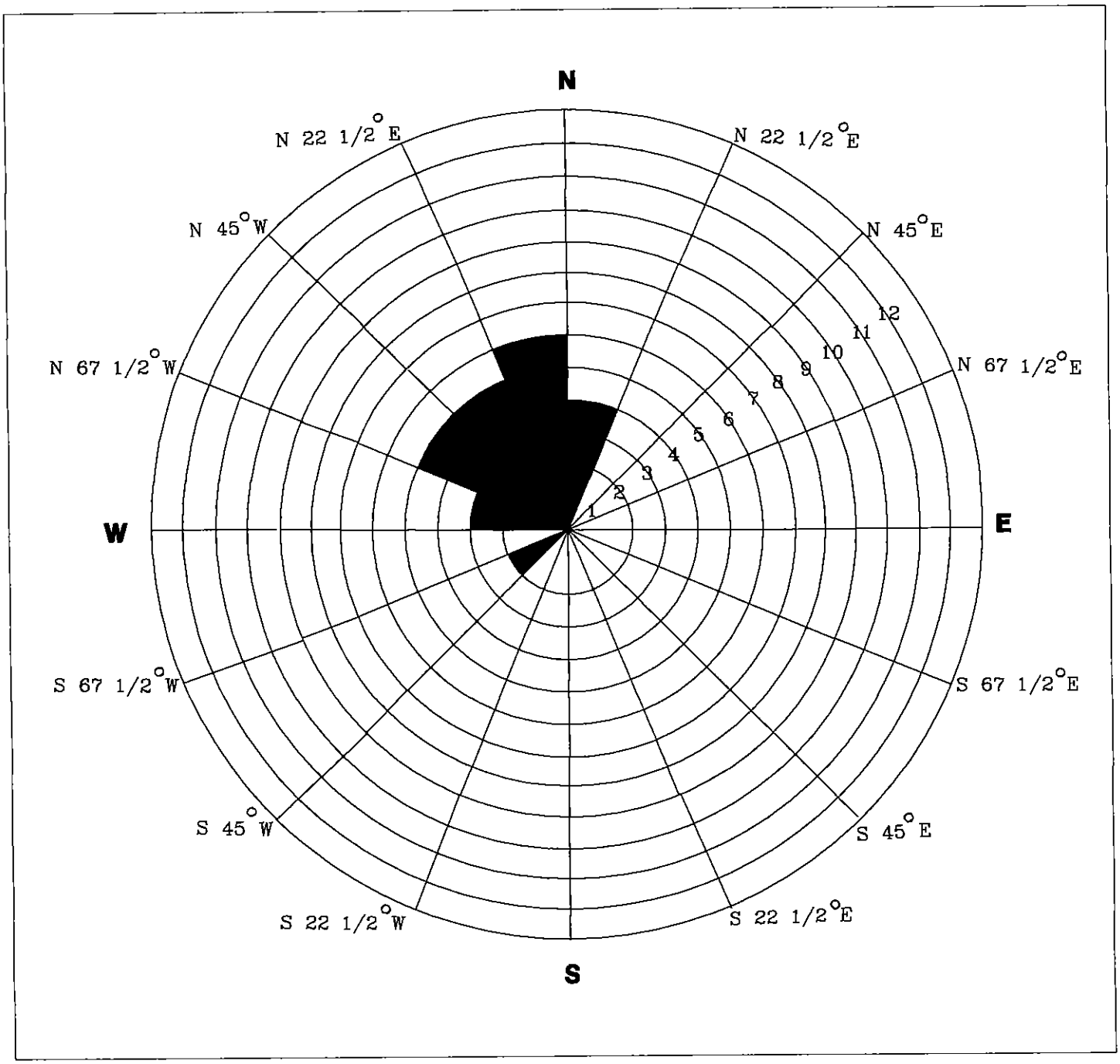
RW2 Groundwater Recovery Well

DP4 Direct Push

CPT4 Cone Penetrometer

PROJECT NO. 2101

PLATE 2



FN 2101ROSE_SP

EXPLANATION

N Compass Direction
Data obtained from quarterly groundwater monitoring third quarter 1999 through first quarter 2005

Rose diagram developed by evaluating the groundwater gradient direction from the quarterly monitoring data. Each circle on the rose diagram represents the number of monitoring events that the gradient plotted in that 22 1/2 degree sector. For example, twenty one quarterly groundwater gradient directions plotted between north 22 1/2 degrees east and south 45 degrees west. Therefore, the dominant groundwater gradient direction as depicted by the rose diagram is between north 22 1/2 degrees east and south 45 degrees west.

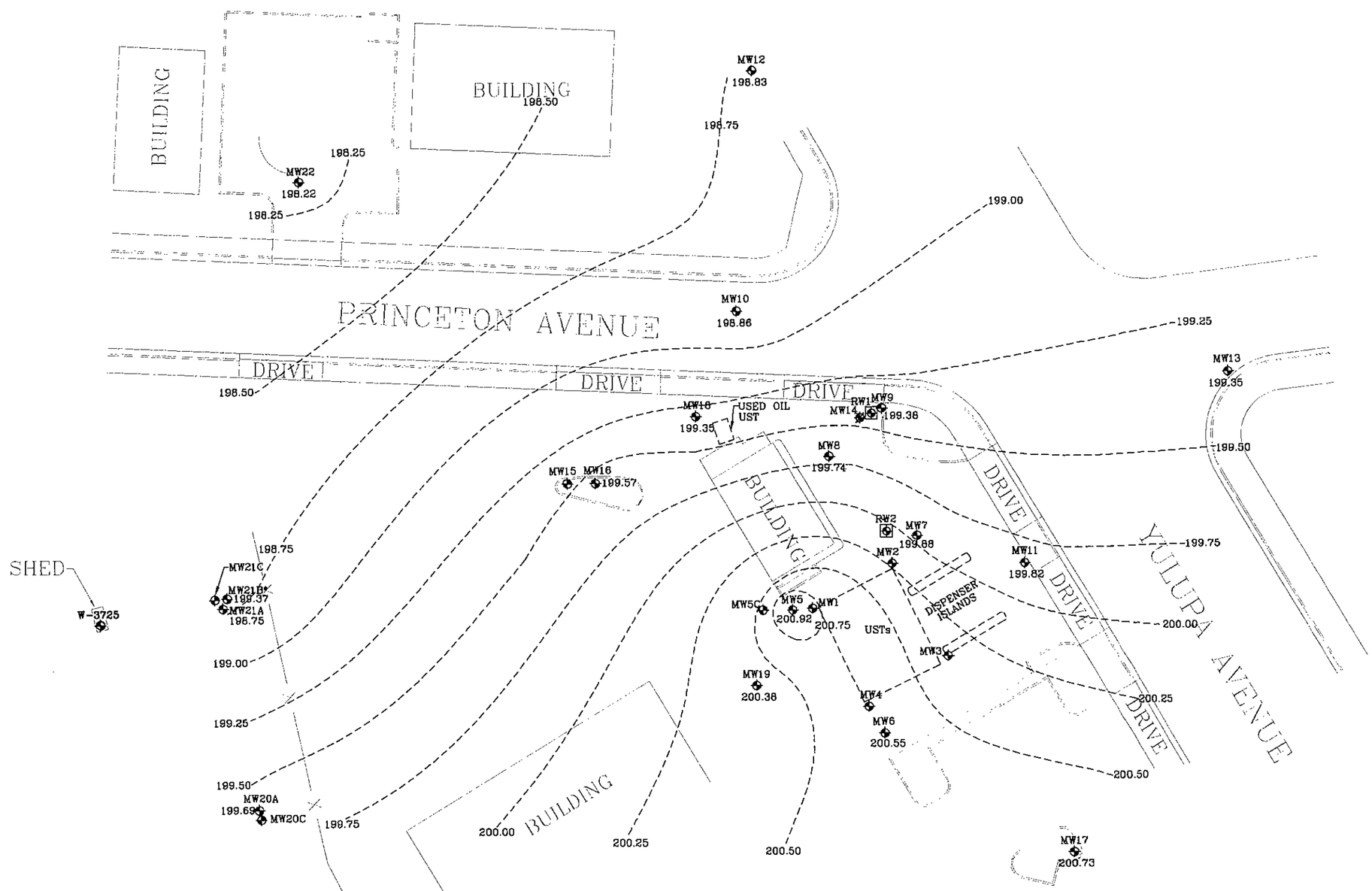
ERI ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER FLOW DIRECTION ROSE DIAGRAM - UPPER WATER BEARING ZONE
FORMER EXXON SERVICE STATION 7-0277
1101 Yulupa Avenue
Santa Rosa, California

PROJECT NO. 2101

PLATE 3

August 16, 2005



APPROXIMATE SCALE

0 40 80 Feet

FN 21010006_QM

200.75- - - Line of Equal Groundwater Elevation; datum is mean sea level

Note:
Groundwater Monitoring Well 21B not contoured because it is screened over an intermediate interval.

SOURCE:
Modified from a map provided by Morrow Surveying

ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER ELEVATION MAP

Upper Zone - January 10, 2005

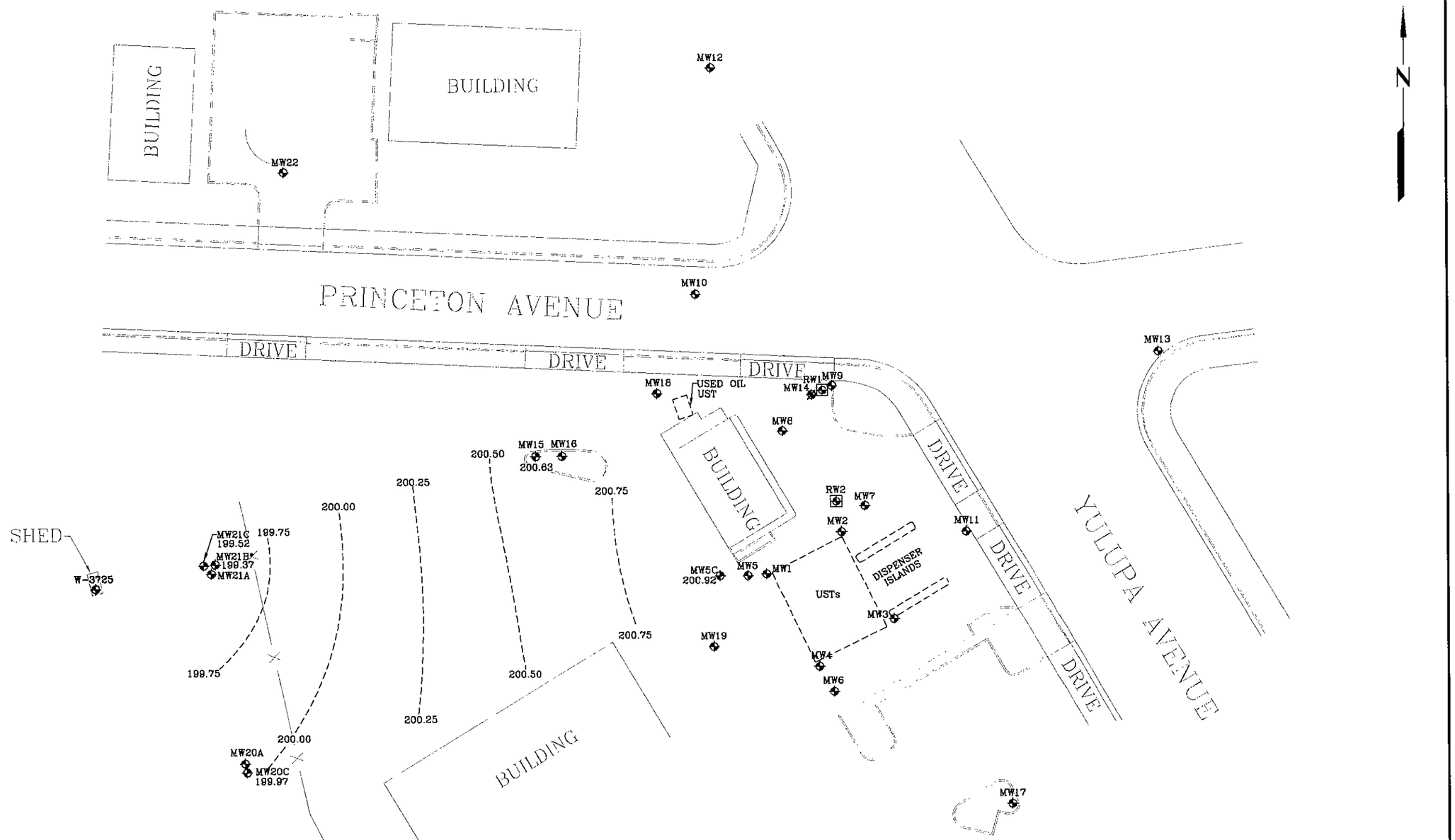
FORMER
EXXON SERVICE STATION 7-0277
1101 Yulupa Avenue
Santa Rosa, California

EXPLANATION

MW22 — Groundwater Monitoring Well, Upper Zone
198.22 Groundwater elevation in feet; datum is mean sea level
RW2 — Groundwater Recovery Well
MW14 — Destroyed Groundwater Monitoring Well
MW21C — Groundwater Monitoring Well, Lower Zone
MW21B* — Groundwater Monitoring Well, Intermediate Zone
W-3725 — Domestic Irrigation Well, 3735 Mayette Avenue

PROJECT NO. 2101

PLATE 4



APPROXIMATE SCALE

0 40 80 Feet

FN 21010006_QM

200.75 - - - - Line of Equal Groundwater Elevation; datum is mean sea level

Note:
Groundwater Monitoring Well 21B is not contoured because it is screened over a different interval than the other Monitoring Wells.

SOURCE:
Modified from a map provided by Morrow Surveying

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GROUNDWATER ELEVATION MAP

Lower Zone - January 10, 2005

FORMER
EXXON SERVICE STATION 7-0277
1101 Yulupa Avenue
Santa Rosa, California

EXPLANATION

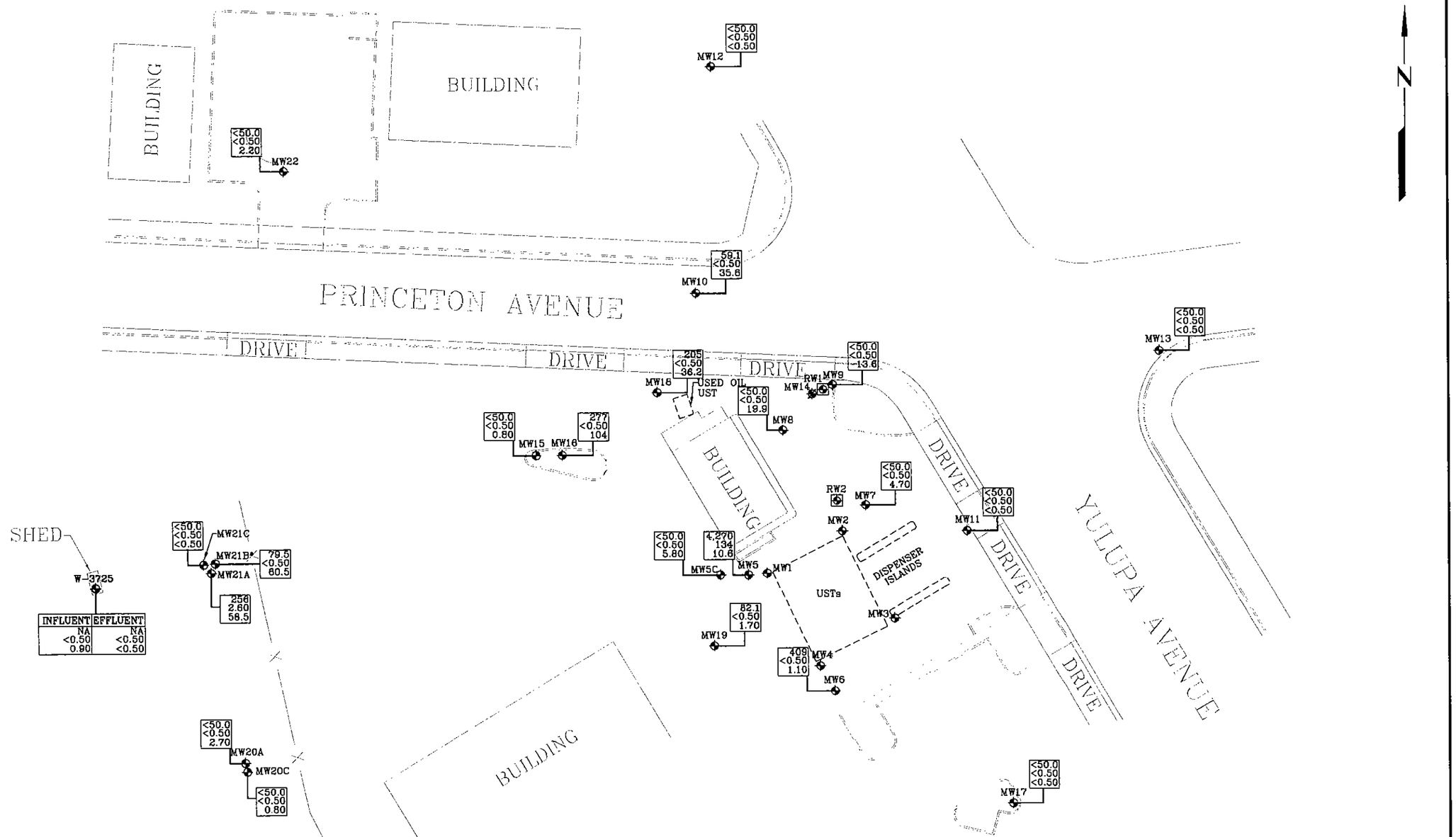
MW21C — Groundwater Monitoring Well, Upper Zone
199.52 Groundwater elevation in feet; datum is mean sea level
RW2 — Groundwater Recovery Well
MW14 — Destroyed Groundwater Monitoring Well
MW21C — Groundwater Monitoring Well, Lower Zone
MW21B* — Groundwater Monitoring Well, Intermediate Zone
W-3725 — Domestic Irrigation Well, 3735 Mayette Avenue

PROJECT NO. 2101

PLATE 5

Analyte Concentrations in ug/L
Sampled January 10, 2005

4,270	Total Petroleum Hydrocarbons as gasoline
134	Benzene
10.6	Methyl Tertiary Butyl Ether
<	Less Than the Stated Laboratory Reporting Limit
ug/L	Micrograms per Liter
NA	Not Analyzed



APPROXIMATE SCALE

0 40 80 Feet

FN 21010006_QM

SOURCE:
Modified from a map provided by Morrow Surveying

ERI ENVIRONMENTAL RESOLUTIONS, INC.

SELECT ANALYTICAL RESULTS
January 10, 2005
FORMER
EXXON SERVICE STATION 7-0277
1101 Yulupa Avenue
Santa Rosa, California

EXPLANATION

MW22	Groundwater Monitoring Well, Upper Zone
RW2	Groundwater Recovery Well
MW14	Destroyed Groundwater Monitoring Well
MW21C	Groundwater Monitoring Well, Lower Zone
MW21B*	Groundwater Monitoring Well, Intermediate Zone
W-3725	Domestic Irrigation Well, 3735 Mayette Avenue

PROJECT NO. 2101

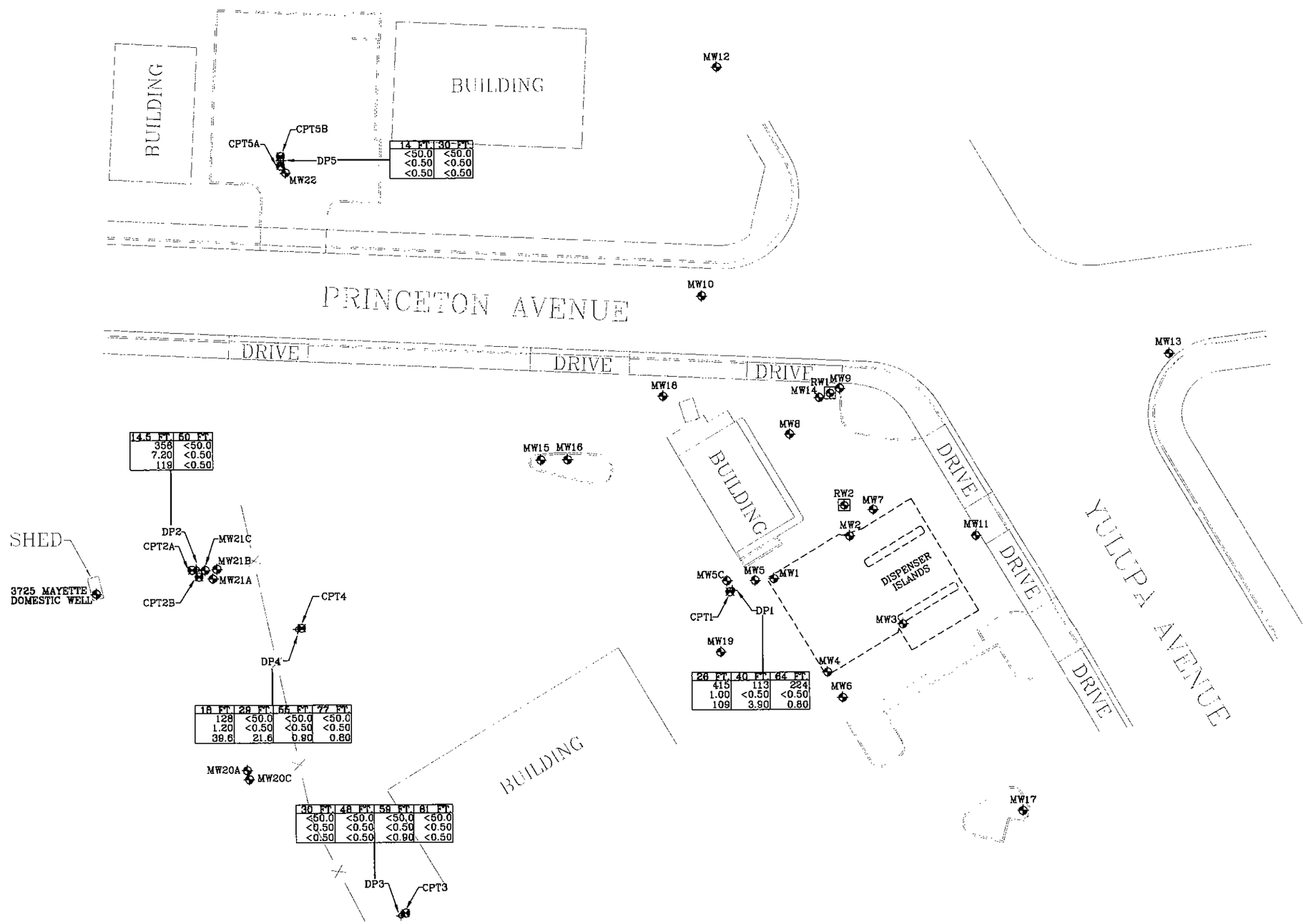
PLATE 6

Analyte Concentrations in ug/L

26 FT.	Sample Depth.
415	Total Petroleum Hydrocarbons as gasoline
1.00	Benzene
109	Methyl Tertiary Butyl Ether

< Less Than the Stated Laboratory Reporting Limit

ug/L Micrograms per Liter



FN 21010006_SP

SOURCE:
Modified from a map provided by Morrow Surveying

ERI ENVIRONMENTAL RESOLUTIONS, INC.

GRAB GROUNDWATER SAMPLE RESULTS

FORMER
EXXON SERVICE STATION 7-0277
1101 Yulupa Avenue
Santa Rosa, California

EXPLANATION

MW21B Groundwater Monitoring Well

RW2 Groundwater Recovery Well

DP4 Direct Push

CPT4 Cone Penetrometer

PROJECT NO. 2101

PLATE 7

ATTACHMENT A

REGULATORY CORRESPONDENCE

California Regional Water Quality Control Board
North Coast Region
William R. Massey, Chairman

Terry Tamminen
Secretary for Environmental Protection

http://www.swrcb.ca.gov/rwqcb1/
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone 1-877-721-9203 Office (707) 576-2220 FAX (707) 523-0135

Arnold Schwarzenegger
Governor

May 17, 2004

RECEIVED
MAY 19 2004
BY:.....

Mr. Gene Ortega
ExxonMobil
25A Crescent Drive #407
Pleasant Hill, CA 94523

Dear Mr. Ortega:

Subject: Review of Workplan and Addendum for Additional Site Assessment

File: Texaco (former), 1101 Yulupa Ave., Santa Rosa, California, Case No. 1TSR013
General NPDES Order R1-2001-9

North Coast Regional Water Quality Control Board (Regional Water Board) staff have reviewed the *Workplan for Additional Site Assessment* received December 11, 2003 and the *Addendum to the Work Plan* and revised site map dated May 13, 2004 prepared by ERI Resolutions, Inc. The addendum was submitted by ERI in response to Regional Water Board staff comments on the December 11, 2003 workplan which recommended a broader scope of work to evaluate the lateral and vertical extent of dissolved hydrocarbons both on and off site. The workplan and addendum propose to drill five CPT borings to 85 feet in depth, collect discrete groundwater samples from identified water bearing zones, and install three additional groundwater monitoring wells.

Regional Water Board staff concur with the submitted workplan, addendum and revised site map with the following comments:

- Deep drilling and installation of deep monitoring wells shall be conducted in a manner that prevents cross contamination of aquifers or downward migration of groundwater. This may include the use of conductor well casing to isolate the upper aquifer that is keyed into the intervening aquitard.

- A continuous soil boring log shall be completed for each new monitoring well location. If paired shallow and deep monitoring wells are installed at the same location, a continuous soil boring log is required for the deeper well only.

If you have any questions, you may call me at (707) 576-2838. A copy of this letter is being forwarded to Sonoma County Environmental Health Department to facilitate processing of drilling permits. Please contact me five days prior to the start of work activities so that I can schedule a site visit during fieldwork.

The report of findings for this investigation is due 60 days after the completion of field activities.

Sincerely,

David S Evans for

Jo Bentz
Engineering Geologist

JLB:js051704_Review of CPT workplan-#2 1101

cc: Mr. Jim Chappel, Environmental Resolutions, Inc., 73 Digital Drive, Suite 100, Novato, CA 94949-5791
Sonoma County Heath Department, 3273 Airway Drive, Suite D, Santa Rosa, CA 95403-2097
Santa Rosa Fire Department
Ms. Marie Mosely, 1175 Harvard Drive, Santa Rosa, CA 95404
Mr. Lynn Kirk, 380 El Cielito, Santa Barbara, CA 93105
Roseann Kowell, P.O. Box 6876, Santa Rosa, CA 95406
Rose-Marie Bordessa, Mayette Apartments, 3725 Mayette Avenue, Santa Rosa, CA 95404

ATTACHMENT B

STANDARD FIELD PROTOCOL

FIELD PROTOCOL

Site Safety Plan

Field work will be performed by ERI personnel in accordance with a Site Safety Plan developed for the site. This plan describes the basic safety requirements for the subsurface investigation and the drilling of soil borings at the work site. The Site Safety Plan is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the Site Safety Plan before work begins. A copy of the Site Safety Plan is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist will act as the Site Safety Officer.

Drilling of Soil Borings

Prior to the drilling of soil borings, ERI will acquire necessary permits from the appropriate agency(ies). ERI will also contact Underground Service Alert (USA) and a private underground utility locator (per ExxonMobil protocol) before drilling to help locate public utility lines at the site. ERI will clear the proposed locations to a depth of approximately 4 or 8 feet (depending on the location), before drilling to reduce the risk of damaging underground structures.

The soil borings will be drilled with a B57 (or similar) drill rig with hollow-stem auger. Auger flights and sampling equipment will be steam-cleaned before use to minimize the possibility of crosshole contamination. The rinsate will be containerized and stored on site. ERI will coordinate with ExxonMobil for appropriate disposal of the rinsate.

Drilling will be performed under the observation of a field geologist, and the earth materials in the boring will be identified using visual and manual methods, and classified as drilling progresses using the Unified Soil Classification System. Soil borings will be drilled to approximately 25 to 50 feet bgs, respectively.

During drilling, soil samples will be collected at five-foot intervals. Samples will be collected with a California-modified, split-spoon sampler equipped with laboratory-cleaned brass sleeves. Samples will be collected by advancing the auger to a point just above the sampling depth and driving the sampler into the soil. The sampler will be driven 18 inches with a standard 140-pound hammer repeatedly dropped 30 inches. The number of blows required to drive the sampler each successive 6-inch interval will be counted and recorded to give an indication of soil consistency.

Soil samples will be monitored with a photo-ionization detector (PID), which measures hydrocarbon concentrations in the ambient air or headspace above the soil sample. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations of hydrocarbons with the same precision as laboratory analyses. Soil samples selected for possible chemical analysis will be sealed promptly with Teflon® tape and plastic caps. The samples will be labeled and placed in iced storage for transport to the laboratory. Chain-of-Custody records will be initiated by the geologist in the field, updated throughout handling of the samples, and sent with the samples to the laboratory. Copies of these records will be in the final report. Cuttings generated during drilling will be placed on plastic sheeting and covered and left at the site. ERI will coordinate with ExxonMobil for the soil to be removed to an appropriate disposal facility.

Well Construction

The monitoring wells will be constructed in the borings using thread-jointed, 2-inch inner diameter, Schedule 40 polyvinyl chloride (PVC) casing. No chemical cements, glues, or solvents will be used in well construction. The screened portion of the wells will consist of factory-perforated casing with 0.020-inch wide slots. Unperforated casing will be installed from the top of each screen to the ground surface. The annular space in the wells will be packed with number 3 sand to approximately one foot above the slotted interval and a surged and refilled bentonite plug will be added above the sand pack to prevent cement from entering the well pack. The remaining annulus will be backfilled to grade with a slurry of cement and bentonite powder.

The wells will be protected with a locking cap and a traffic-rated, cast-steel utility box equipped with a steel skirt. The box has a watertight seal to protect against surface-water infiltration.

Well Development and Sampling

ERI will wait a minimum of 24 hours before development of the wells to allow the grout to set. The wells will be developed with a surge block and pump. Well development will continue until the discharge water is clear of silt and sand. Clay-size sediments derived from the screened portion of the formation cannot be eliminated by well development. After the wells have been allowed to stabilize, the wells will be checked for separate-phase hydrocarbons using an interface probe. The thickness of any separate-phase hydrocarbons detected in the wells will be recorded. If free phase hydrocarbons are encountered in a well, the well will not be purged, and the water will not be sampled for chemical analysis.

If no separate-phase hydrocarbons are detected after development, the groundwater monitoring wells will be purged of stagnant water and a sample will be collected for laboratory analysis. The wells will be purged of approximately 3 to 5 well volumes of water with a submersible pump, or until pH, conductivity, and temperature of the purged water have stabilized. Water purged from the wells will be transported by ERI for disposal at Romic, Inc., of East Palo Alto, California.

The wells will be allowed to recover to at least 80 percent of static conditions, and a sample of the formation water will be collected with a disposable Teflon® bailer. The water will be transferred slowly from the bailer to laboratory-cleaned, 1 liter amber bottles and 40-milliliter glass vials for analyses by the laboratory. The glass vials will contain hydrochloric acid as a preservative. The sampler will check to see if headspace is present. If headspace is present, the sampler will collect more samples until none is present. Chain-of-Custody record will be initiated in the field by the sampler, updated throughout handling of the samples, and sent along with the samples to the laboratory. A copy of the Chain-of-Custody record will be included in our final report.

Groundwater Sample Collection

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials, 1,000-ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the Chain-of-Custody form.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally insulated ice chest, accompanied by a Chain-of-Custody record, to a California state-certified laboratory.

ATTACHMENT C

COUNTY OF SONOMA,
MONITORING WELL PERMITS

COUNTY OF SONOMA — DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
3273 Airway Drive, Suite D, Santa Rosa, CA 95403-2097
(707) 565-6565 www.sonoma-county.org

APPLICATION FOR MONITORING WELL PERMIT
for Regional Board Lead/Environmental Assessment

For Office Use Only
Amount paid $1071.00
Receipt number 986B
Payment date 10/3/04 Rev. code 1343
Site ID# 18
Permit # 44163

Well type: [X] Monitoring well [ ] Recovery extraction well [ ] Boring [ ] Injection well [ ] Destruct [ ] Environmental assessment
[ ] Soil gas survey [ ] Direct push [ ] Air sparging/venting [ ] Remediation well [ ] Other

Well depth 65 ft./30 ft/20 ft Boring depth

On-site well/boring ID # # Off-site well/boring 37 ID # MW5C, 20C, 21C MW20, 21A, 22 MW21B

Submit legal right-of-entry/off-site well address/encroachment permit

On-site Address 1101 Yulupa Avenue AP# 014-272-024

Facility Name Former Exxon Service Station 7-0277

On-site Owner Mr. Michael Gutzman Phone 707-544-4297
Street 465 A Kenwood Courty City Santa Rosa State CA Zip 95407

Responsible Party ExxonMobil Refining & Supply Phone 510-368-5570
Street 25A Crescent Drive #407 City Pleasant Hill State CA Zip 94523

Consultant Environmental Resolutions, Inc. Phone 707-766-2000
Street 601 N. McDowell Blvd. City Petaluma State CA Zip 94954
License #/Type A/C 10-611383

Drilling Contractor Woodward Drilling Phone 707-374-4300
Street P.O. Box 336 City Rio Vista State CA Zip 94571
C-57 License # 710079

Type of work: [ ] Initial investigation # Wells [X] Subsequent investigation 37 # Wells [ ] Destruct # Wells

Groundwater investigation due to: [X] Underground tank [ ] Surface impoundment [ ] Environmental assessment
[ ] Surface disposal practice—specify involved industry
[ ] Other

Perforated intervals 60-65 ft. Chemical constituents TPHd, TPHg, MTBE, BTEX, HVOCs

Disposal method for soil cuttings stockpile on site Disposal method for development water drums on site

Drilling method hollow stem auger Method of drill equip. rinsate containment drums on site

If destroying a well, abandonment method

Submit plot plan of wells in relation to all sewer or septic lines.

Is well to be constructed within: 100 feet of a septic tank or leachfield? [ ] Yes [X] No
50 feet of any sanitary sewer line? [ ] Yes [X] No
25 feet of any private sanitary sewer line? [ ] Yes [X] No

In addition, all monitoring wells must include ***Identification system*** affixed to interior surface:

1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) Perforated intervals

Well identification number and well type shall be ***affixed*** to the ***exterior surface*** security structure.

0013430
WELL PER 1071.00
TTLAMT 1071.00
CHECKS 1059.00
CHECKS 12.00
CHANGE 0.00
986B #2 10:21
10/04/04

For Office Use Only

Address 1401 Yulupa
Santa Rosa

Site ID# 18

Permit # 44163

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will telephone (707) 565-6565, 48 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Health Services and the owner a legible copy of the State Water Well Driller's Report within 15 days; and a copy of the Summary Report, including sample results, should be received by this Department within 90 days in order to obtain final approval on this well permit. I acknowledge that the application will become a permit ***only*** after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

David Van Dyke Date 9/14/04

Signature of Well Driller—***no proxies***

Insurance Carrier State Fund Expiration Date Oct 1 2004

Once all wells/borings are installed, submit a Well Driller's Log and/or Summary Report to complete permit process.

Indicate on attached plot plan the exact location of well(s) with respect to the following items: property lines, water bodies or water courses drainage pattern, roads, existing wells, sewer main and laterals and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit:

FOR OFFICE USE ONLY – ENVIRONMENTAL HEALTH DIVISION

Permit approved by [signature] Date 11 05 04

Constr. approved by _____ Observed? [ ] Yes [ ] No Well # _____ Date __/__/__

RWQCB approval Jo Cortm VERBAL Date __/__/__

monwell.frm.doc (Revised 03/01) Copies: White—File Yellow—Driller Pink—Consultant Gold—Owner/Resp. Party

ATTACHMENT D

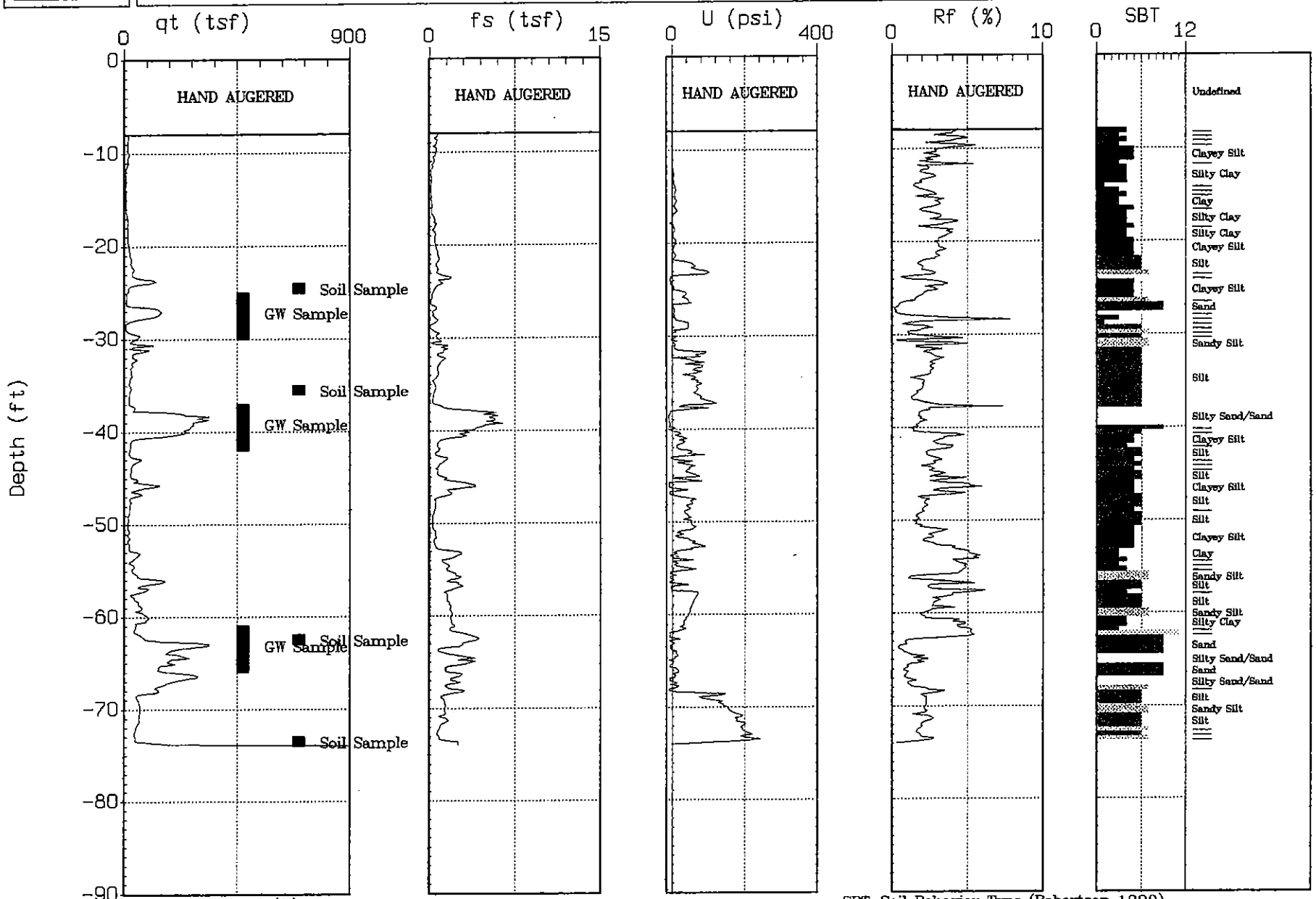
CONE PENETRATION TEST DATA

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-01

Geologist: J. CLARK
Date: 07:15:04 09:34



Max. Depth: 73.98 (ft)
Depth Inc.: 0.164 (ft)

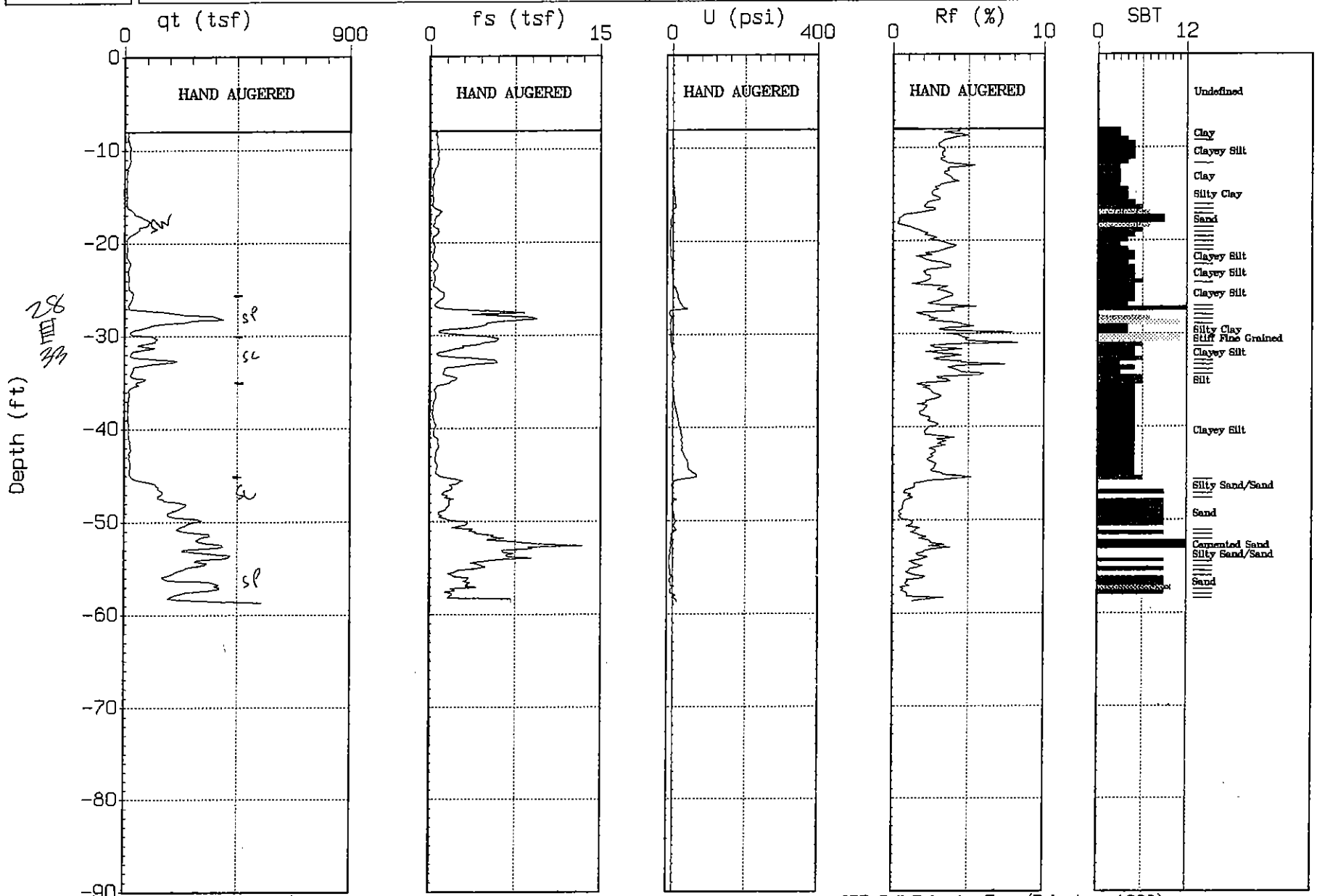
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-02

Geologist: J. CLARK
Date: 07:13:04 05:35



Max. Depth: 58.73 (ft)
Depth Inc.: 0.164 (ft)

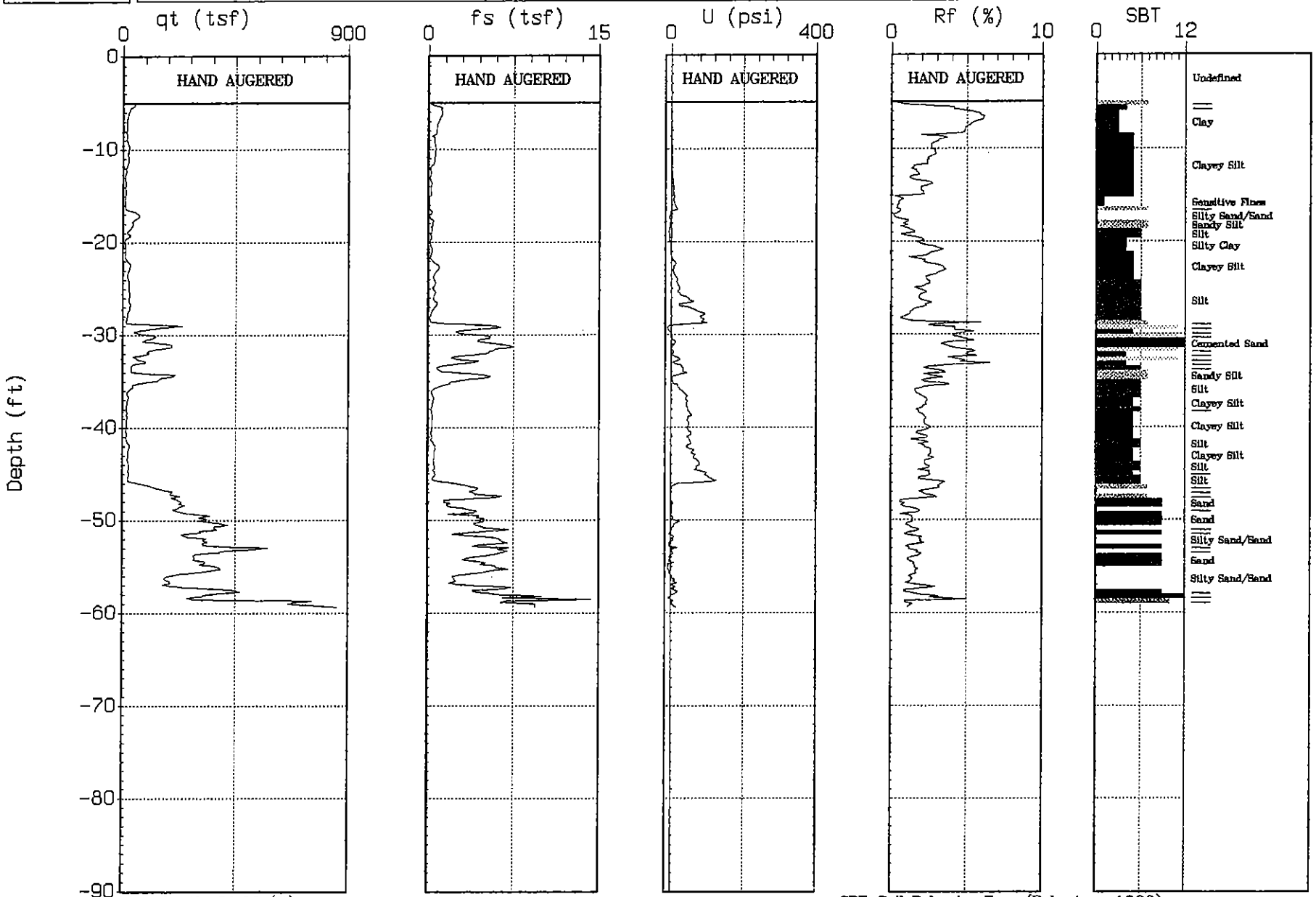
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-02A

Geologist: J. CLARK
Date: 07:14:04 08:55



Max. Depth: 59.38 (ft)
Depth Inc.: 0.164 (ft)

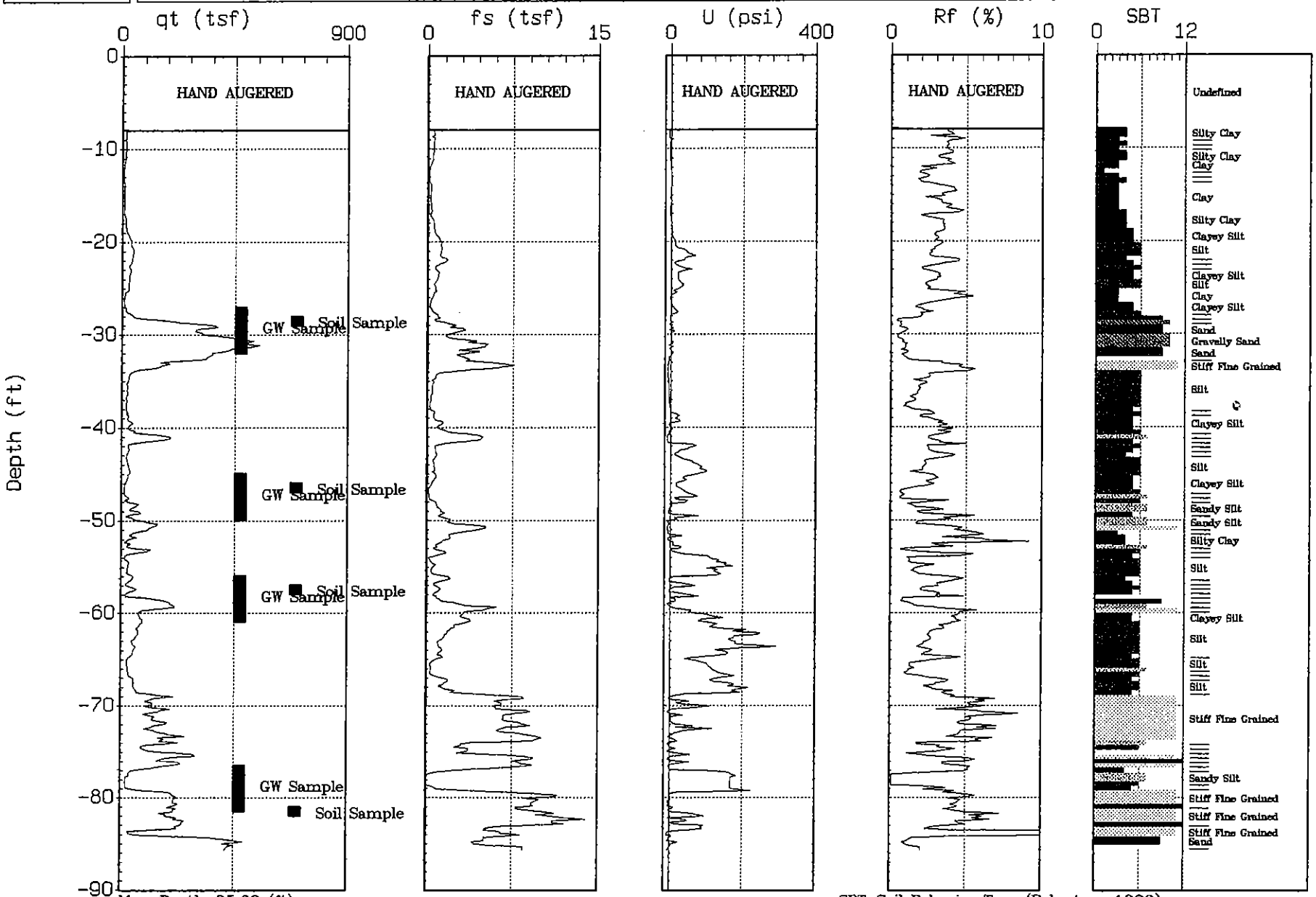
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-03

Geologist: J. CLARK
Date: 07:14:04 16:44



Max. Depth: 85.63 (ft)
Depth Inc.: 0.164 (ft)

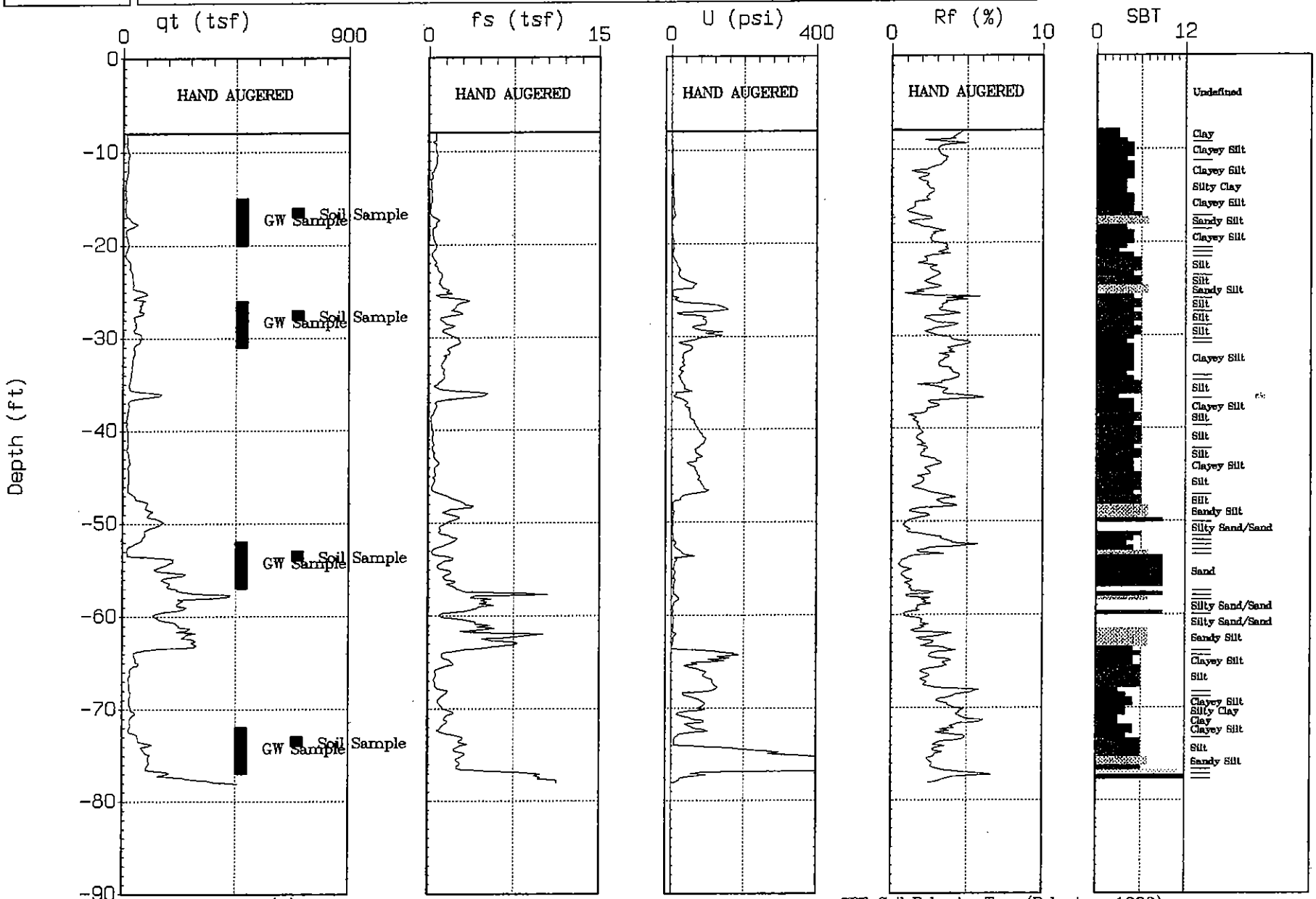
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-04

Geologist: J. CLARK
Date: 07:14:04 09:56



40'
50'
55'
60'
65'

Max. Depth: 78.08 (ft)
Depth Inc.: 0.164 (ft)

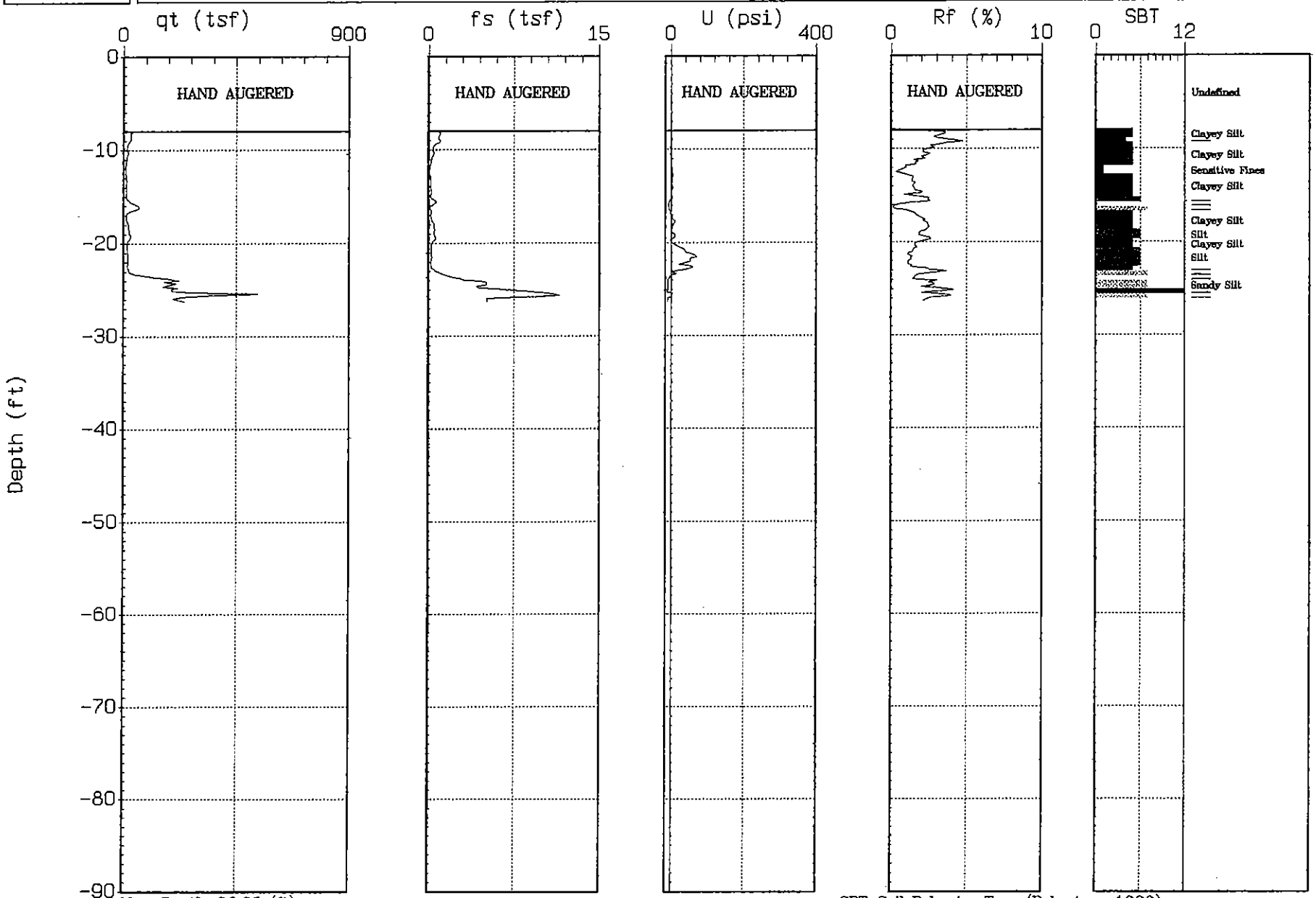
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-05

Geologist: J. CLARK
Date: 07:13:04 04:33



Max. Depth: 26.25 (ft)
Depth Inc.: 0.164 (ft)

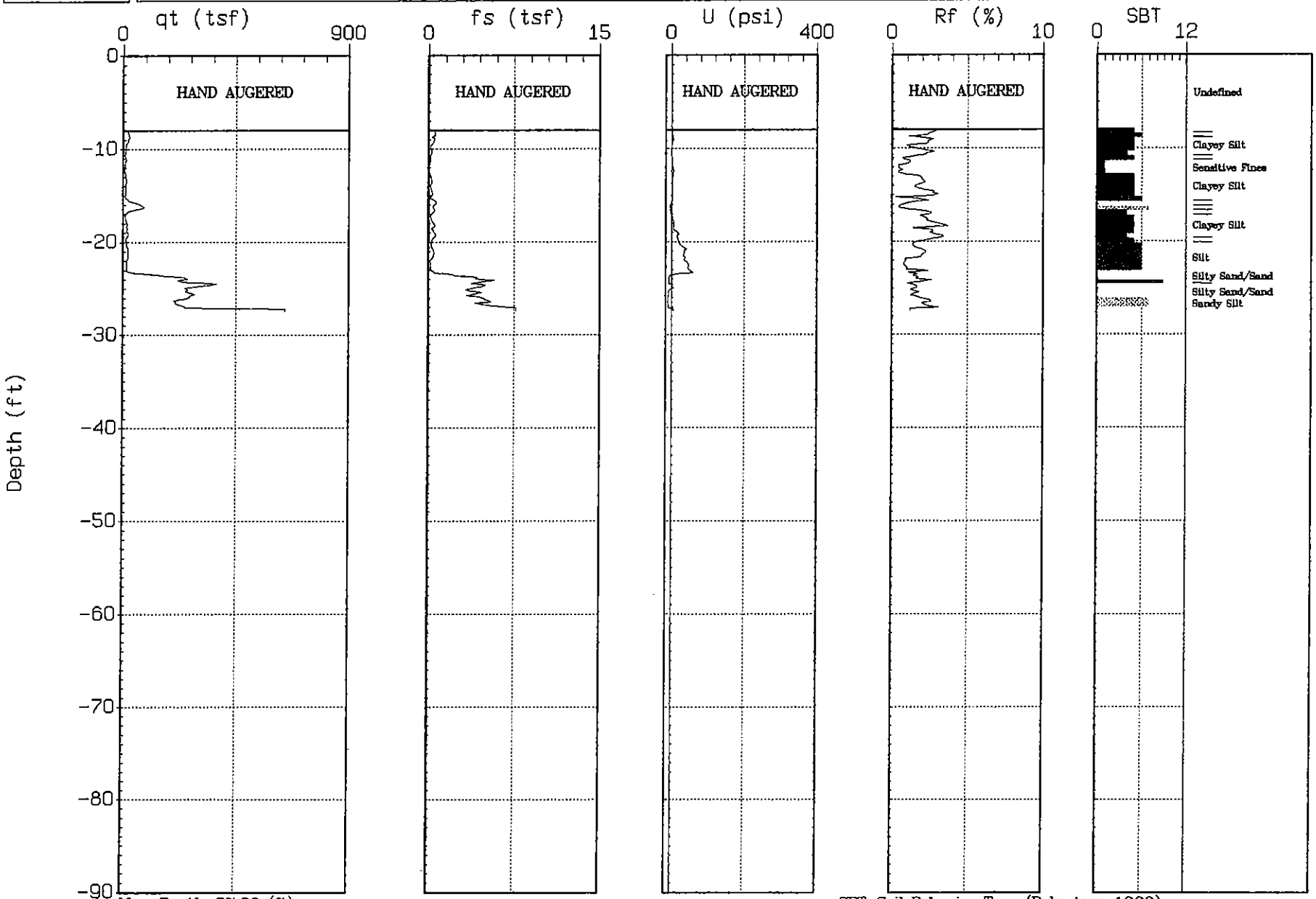
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-05A

Geologist: J. CLARK
Date: 07:14:04 07:51



Max. Depth: 27.39 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ATTACHMENT E

UNIFIED SOIL CLASSIFICATION SYSTEM, SYMBOL KEY, AND BORING LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	DESCRIPTION	MAJOR DIVISIONS		LTR	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel sand mixtures, little or no fines	FINE GRAINED SOILS	SILTS AND CLAYS LL<50	ML	Inorganic silts and very fine-grained sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		GP	Poorly-graded gravels or gravel sand mixture, little or no fines			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		GM	Silty gravels, gravel-sand-clay mixtures			OL	Organic silts and organic silt-clays of low plasticity
		GC	Clayey gravels, gravel-sand-clay mixtures		SILTS AND CLAYS LL>50	MH	Inorganic silts, micaceous or diatomaceous fine-grained sandy or silty soils, elastic silts
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines			CH	Inorganic clays of high plasticity, fat clays
		SP	Poorly-graded sands or gravelly sands, little or no fines			OH	Organic clays of medium to high plasticity
		SM	Silty sands, sand-silt mixtures	HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils
		SC	Clayey sands, sand-clay mixtures				

SAMPLE CONDITION

- NO RECOVERY
- SAMPLED INTERVAL
- DESCRIBED SAMPLE
- PRESERVED SAMPLE
- GROUNDWATER LEVEL OBSERVED FROM FIRST WET SOIL SAMPLE IN BORING
- STATIC GROUNDWATER LEVEL
- OVM — ORGANIC VAPOR METER READING IN PARTS PER MILLION BY VOLUME
- PID — PHOTO-IONIZATION DETECTOR READING IN PARTS PER MILLION BY VOLUME

WELL DESIGN

- SAND PACK
- BENTONITE ANNULAR SEAL
- NEAT CEMENT ANNULAR SEAL
- BLANK CASING
- SLOTTED CASING
- NR — NOT RECORDED
- NA — NOT ANALYZED

BLOW/FT. REPRESENTS THE NUMBER OF BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES TO DRIVE THE SAMPLER THROUGH THE LAST 12 INCHES OF AN 18-INCH OR 24-INCH PENETRATION.

DASHED LINES SEPARATING UNITS ON THE LOG REPRESENT APPROXIMATE BOUNDARIES ONLY. ACTUAL BOUNDARIES MAY BE GRADUAL. LOGS REPRESENT SUBSURFACE CONDITIONS AT THE BORING LOCATION AT THE TIME OF DRILLING ONLY.

ERI ENVIRONMENTAL RESOLUTIONS, INC.

PROJECT 2101

UNIFIED SOIL CLASSIFICATION SYSTEM AND LOG OF BORINGS SYMBOL KEY

Former Exxon Service Station 7-0277
1101 Yulupa Avenue
Santa Rosa, California

ATTACHMENT E

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP1

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 71'
First GW Depth:	:

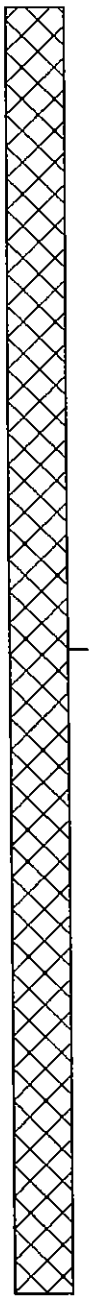
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling:

Soil Boring: DP1

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						
5						
10						
15						
20						
					ML	SANDY SILT: dark olive gray (5Y 3/2m), moist, low plasticity, with rare organic debris
25						
30						
					CL	SILTY CLAY WITH SAND: dark gray (5Y 4/1m), moist to wet, low plasticity, sand is very fine-grained
35						
40						



08-12-2005 J:\2101\2101DP1.bor

BORING LOG DP1

(Page 2 of 2)

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 71'
First GW Depth:	:

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

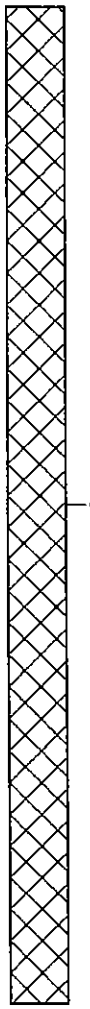
Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling:

Soil Boring: DP1

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
40						
45						
50						
55						
60						
62					GW	GRAVEL WITH SILT: coarse-grained, dark brown (10YR 3/3m), wet to saturated, well graded, angular to rounded grains to 1" diameter
65						
70					GW	SANDY GRAVEL WITH SILT: fine-grained, dark yellowish brown (10 YR 4/6m), wet, well graded, subangular gravel to 3/8" diameter
75						
80						

Total Depth= 71', 7/16/04, 1640



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BORING LOG DP2

(Page 1 of 2)

Date Drilled:	: 07/19/04
Drilling Co.:	: Woodward
Drilling Method:	: Direct-push
Sampling Method:	: Continuous core
Borehole Diameter:	: 2 3/8"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 57'
First GW Depth:	: 12'

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition
- No Recovery
- Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- After Completion: 14.5', 7/19/04
- During Drilling: 12'

Soil Boring: DP2

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						Hand-cleared to 5'
5					CH	CLAY WITH SAND: very dark brown (10YR 2/2m), moist, medium to high plasticity
10						@10': becoming moist to wet, mottled, dark yellowish brown
15					ML	SANDY SILT: very dark gray (2.5Y N 3/m), wet, low plasticity, very fine-grained sand, with rare organic debris
20					SW	SAND: fine to coarse-grained, very dark gray (2.5Y N 3/m), saturated, well graded, rounded pebbles to 1/2" diameter
					ML	SILT: very dark gray (2.5Y N 3/m), wet, medium plasticity, uncommon decayed organic debris
25					CL	SILTY CLAY, very dark gray (2.5Y N 3/m), moist, medium plasticity @24': with sand, becoming dark greenish gray (5GY 4/1m)
					SP	SAND WITH SILT, very fine to fine-grained, dark greenish gray (5GY 4/1m), saturated, poorly graded, uncommon decayed organic debris
30					SC	CLAYEY SAND WITH GRAVEL, medium to coarse-grained, dark yellowish brown (10YR 3/4m), moist to wet, well graded, rounded pebbles to 1" diameter, average 1/4" diameter @33.5': with increasing clay
35					CL	CLAY WITH SAND, light olive brown (2.5Y 5/4m), moist, low plasticity, sand is fine-grained, with occasional sandy stringers 1.5" thick
40					CL	SANDY CLAY, light olive brown (2.5Y 5/4m), moist, low plasticity, yellowish-red mottling (5YR 4/6m), sand is fine-grained

Grout

08-12-2005 J:\2101\2101DP2.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP2

Date Drilled:	: 07/19/04
Drilling Co.:	: Woodward
Drilling Method:	: Direct-push
Sampling Method:	: Continuous core
Borehole Diameter:	: 2 3/8"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 57'
First GW Depth:	: 12'

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Not Sampled; Described Sample; Preserved Sample

Water Levels: After Completion: 14.5', 7/19/04; During Drilling: 12'

Soil Boring: DP2

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40					CL	
					SP	SAND WITH CLAY, fine-grained, olive brown (2.5Y 4/4m), moist, poorly graded, with rare pebbles to 0.5" diameter
					CL	SANDY CLAY, olive brown (2.5Y 4/4m), moist, low to medium plasticity, mottled yellowish red (5YR 4/6m) @43.25': with decreasing mottling @44.5': with increasing sand
45					SW	SAND WITH CLAY, fine to coarse-grained, yellowish brown (10YR 5/4m), saturated, well graded, with uncommon rounded pebbles to 1/4" diameter
50					SP	SAND, medium to coarse-grained, dark brown (10YR 3/3m), saturated, moderately graded @49.25'-49.5': with subrounded gravel to 1.5" diameter @52'-54': with increasing fines (trace) @54': becoming coarse-grained, with common rounded pebbles to 1" diameter
55						
						Total Depth= 57', 7/19/04, 1620
60						
65						
70						
75						
80						

Grout

08-12-2005 J:\2101\2101DP2.bor

BORING LOG DP3

(Page 1 of 3)

Date Drilled:	: 07/15/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct Push
Sampling Method:	: Piston (soil), Grab (water)
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 81'
First GW Depth:	: 24'

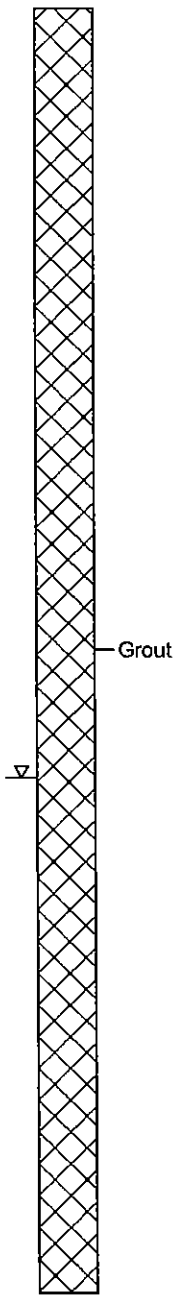
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling: 24'

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						
5						
10						
15						
20						
25						
					SW	SAND WITH SILT, coarse-grained, very dark gray (10YR 3/1m), wet to saturated, well graded, subrounded grains to 1/4"
30						
35						
40						

Soil Boring: DP3



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP3

Date Drilled:	: 07/15/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct Push
Sampling Method:	: Piston (soil), Grab (water)
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 81'
First GW Depth:	: 24'

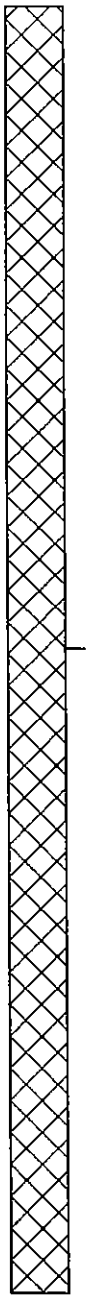
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling: 24'

Soil Boring: DP3

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
40						
45						
50						
55						
					SW	SAND WITH SILT AND GRAVEL, coarse-grained, dark yellowish brown (10YR 3/4m), wet to saturated, well graded, subangular to subrounded grains to 3/8" diameter
60						
65						
70						
75						
80						



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BORING LOG DP3

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Date Drilled:	: 07/15/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct Push
Sampling Method:	: Piston (soil), Grab (water)
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 81'
First GW Depth:	: 24'

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling: 24'

Soil Boring: DP3

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
80					ML	SANDY SILT WITH CLAY, dark olive gray (5Y 3/2m), wet to saturated, with occasional subangular grains to 1/8" diameter

Total Depth= 81', 7/15/05, 1715

Grout

85, 90, 95, 100, 105, 110, 115, 120

08-12-2005 J:\2101\2101DP3.bor

BORING LOG DP4

(Page 1 of 2)

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 77'
First GW Depth:	:

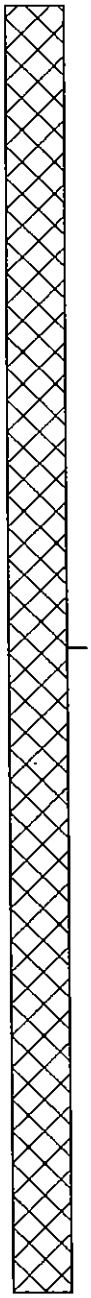
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling:

Soil Boring: DP4

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						
5						
10						
15					ML	SANDY SILT WITH CLAY, very dark grayish brown (2.5Y 3/2m), wet, low plasticity
20						
25					ML	SANDY SILT, olive brown (2.5Y 4/4m), moist, low to medium plasticity
30						
35						
40						



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BORING LOG DP4

(Page 2 of 2)

ENVIRONMENTAL RESOLUTIONS, INC.

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 77'
First GW Depth:	:

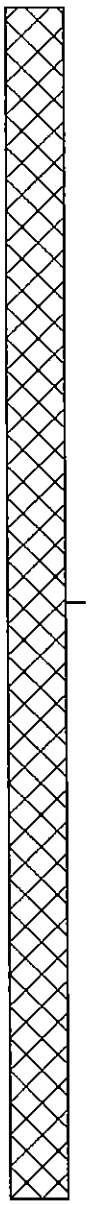
Project No.: : 2101
Site: : Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By: : Daniel A. Parsons
Reviewed By: : Geoffrey V. Waterhouse, P.G. 5019
Signature: : _____

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling:

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
40						
45						
50						
			■		SW	GRAVELLY SAND WITH SILT, coarse-grained, very dark gray (5Y 3/1m), wet, well graded, angular grains to 1" diameter
55						
60						
65						
70						
			■		SP	SAND WITH SILT, medium-grained, dark olive gray (5 Y 3/2m), saturated, poorly graded
75						
						Total Depth = 77', 7/16/05, 1120
80						

Soil Boring: DP4



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP5

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

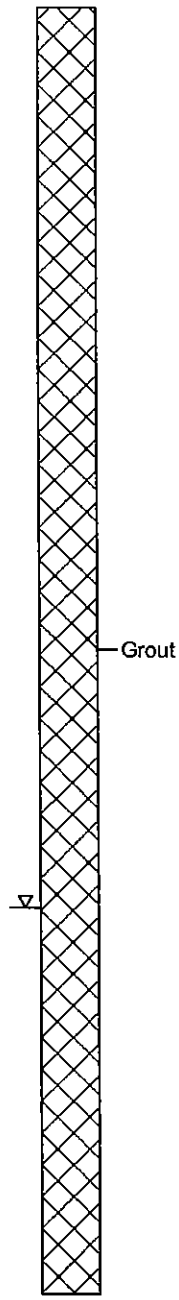
Date Drilled:	: 08/11/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 39.5'
First GW Depth:	: 14'

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling: 14'

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						Hand cleared to 8' bgs, 7/12/04
5						
					CL	CLAY WITH SAND AND SILT: very dark brown (7.5Y 2.5/2m), damp, moderate plasticity
10					SP	SAND WITH SILT: medium-grained, very dark grayish brown (2.5Y 3/2m), wet, poorly graded @12': increasing clay
					SP	SAND WITH CLAY: medium-grained, very dark grayish brown (2.5Y 3/2m), wet, poorly graded
					CL	CLAY WITH SAND: very dark grayish brown (2.5Y 3/2m), wet, moderate plasticity
15					SP	SAND WITH SILT: medium-grained, very dark grayish brown (2.5Y 3/2m), wet, poorly graded @16'-18': becoming coarser grained, trace gravel @19': increasing clay
20						

Soil Boring: DP5



BORING LOG DP5

(Page 2 of 2)

ENVIRONMENTAL RESOLUTIONS, INC.

Date Drilled:	: 08/11/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 39.5'
First GW Depth:	: 14'

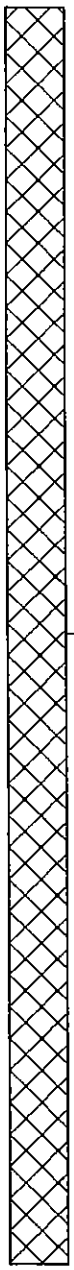
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling: 14'

Soil Boring: DP5

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
20					SP	@21'-22': mottled, dark olive brown (2.5Y 3/3m) @22': dark brown (7.5YR 3/2m) @22.5': decreasing clay, becoming saturated, becoming coarser grained
					SP	SAND WITH GRAVEL: medium- to coarse-grained, dark reddish brown (5YR 3/4m), wet, poorly graded, subangular gravel to 0.5" diameter
25					GW	SANDY GRAVEL WITH SILT: fine to coarse gravel, well graded, subrounded to angular gravel to 1" diameter @24.5': becoming coarser grained
					SC	CLAYEY SAND: medium-grained, olive brown (2.5Y 4/3m), saturated, poorly graded
30					GW	GRAVEL WITH SAND: coarse gravel, olive gray (5Y 4/2m), wet, well graded, gravel to 1" diameter @32': increasing sand
					CL	SANDY CLAY: dark yellowish brown (10YR 4/4m), damp, medium plasticity
35					SC	CLAYEY SAND: fine-grained, olive gray (5Y 4/2m), saturated, moderately graded
					SP	SAND WITH CLAY: medium-grained, dark yellowish brown (10YR 3/4m), wet, poorly graded
					SW	GRAVELLY SAND WITH CLAY: coarse-grained, dark yellowish brown (10YR 3/4m), moist, moderately graded, gravel to 0.5" diameter
					GW	SANDY GRAVEL WITH SILT: fine to coarse gravel, dark yellowish brown (10YR 4/4m), saturated, well graded, gravel to 1" diameter
40						Total Depth = 39.5', 8/11/05, 1310



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BORING LOG MW5C

(Page 1 of 2)

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, R.G. 5019
Signature:	:

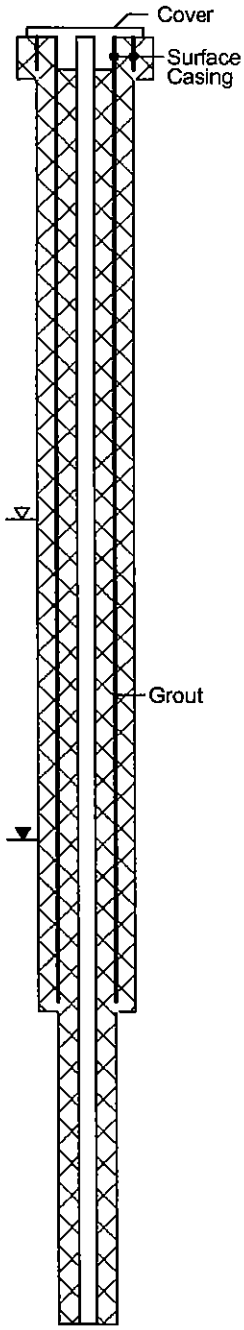
Date Drilled:	: 11/15/04 & 11/18/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.5'
First GW Depth:	: 15.0'

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling 15.5'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" Asphalt Hand-cleared to 8 feet below ground surface
5						
10	8 8 10	448	■			CLAYEY SAND: fine-grained, gray, moist, moderately graded
15	8 9 10		■		SC	@16': Increasing sand @20': Increasing sand
20	15 22 25	3.9	■			
25			■		SP	SAND, medium- to coarse-grained, gray, wet to saturated, poorly graded @26': Increasing clay
30			■		GP	SANDY GRAVEL w/ SILT and CLAY, gray, saturated, moderately graded, gravel to 1.5" diameter, @31': Increasing clay
35					SW	@35': occasional gravel
40						

Well: MW5C
Elev.:



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW5C

Date Drilled:	: 11/15/04 & 11/18/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.5'
First GW Depth:	: 15.0'

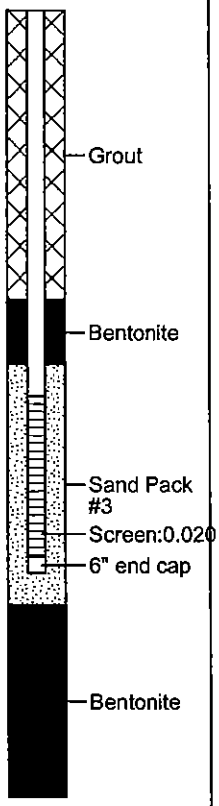
Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling 15.5'

Well: MW5C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40	40, 50/1					GRAVELLY SAND with SILT: fine- to coarse-grained, brown, saturated, well-graded, rounded gravel to 1"
45	36, 50/5.5	0			SW	
50					SM	
55	14, 15, 18	0				SILTY SAND: fine- to medium-grained, reddish brown, wet to saturated, moderately graded
						@58': Driller notes firmer drilling
60	15, 20, 35				SP	SAND, coarse-grained, reddish brown, saturated, poorly graded, grains rounded to subrounded, trace silt
	12, 18, 35	0				@63': becoming finer grained
65						Total Depth = 64.5', 11-18-2004, 1000
70						
75						
80						



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BORING LOG MW20A

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Date Drilled:	: 11/17/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 21.5'
First GW Depth:	: 15.0'

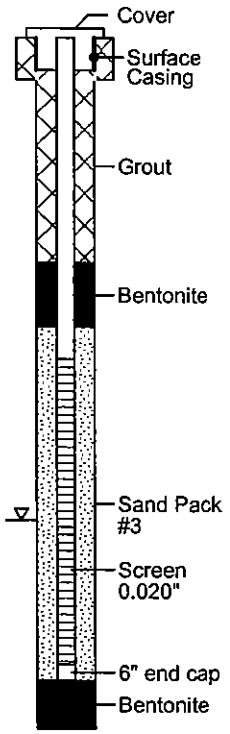
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: during drilling: 15.0'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" Asphalt Hand-cleared to 4 feet below ground surface
5	4 8 12	0	■		CL	SILTY CLAY: gray, moist to wet, low plasticity, organic inclusions
10	10 10 11	1.7	▩		SW	SAND with SILT: fine-grained, dark gray, damp to moist, well graded
15	8 10 12	0	▩		CL	SANDY CLAY with SILT: brownish-gray, wet to saturated, medium plasticity @ 15': with gravel to 1" diameter, organic matter (roots)
20	12 15 20	0	■		ML	CLAYEY SILT with SAND: gray, wet to saturated, low plasticity

Total Depth: 21.5' bgs, 11-17-04

Well: MW20A
Elev.:



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BORING LOG MW20C

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ENVIRONMENTAL RESOLUTIONS, INC.

Date Drilled:	: 11/16/04 & 11/18/05
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.0'
First GW Depth:	: 25.0'

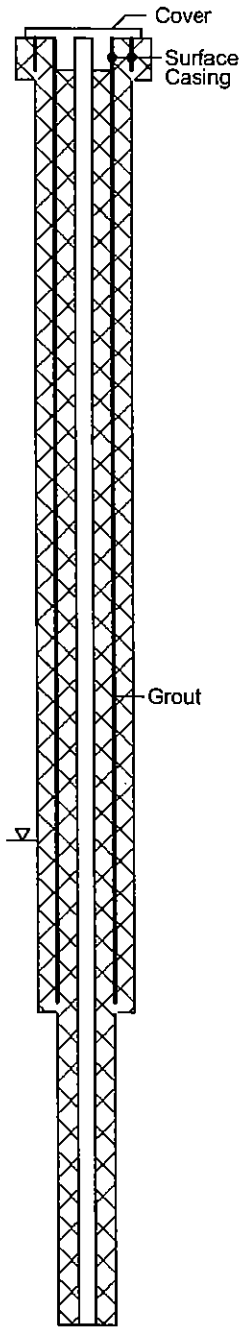
Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, R.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling: 25'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" asphalt Hand-cleared to 4 feet below ground surface
5	15 15 15	0	■		ML	SANDY SILT: gray, moist, low plasticity
10	7 9 9	1.7	■			@10': Increasing sand
15	4 7 10	0.6	■		CL	SANDY CLAY: gray, moist, low to medium plasticity
20		0	■			
25	11 11 15	0	■		SP	SAND with GRAVEL: medium- to coarse-grained, gray, saturated, poorly graded, gravel to 1" diameter
30	10 16 50/5	0	■			@ 32' to 35': gravelly
35						
40					CL	

Well: MW20C
Elev.:



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW20C

Date Drilled:	: 11/16/04 & 11/18/05
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.0'
First GW Depth:	: 25.0'

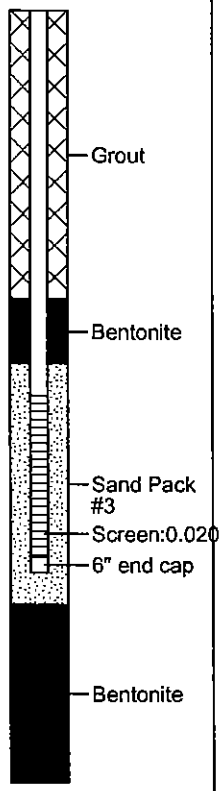
Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling: 25'

Well: MW20C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40	12 15 18	0			CL	SILTY CLAY with SAND: brownish-gray, mottled with reddish-brown, wet, low to medium plasiticity
45					SP	
50	25 50/5.5	0				SAND with SILT: medium-grained, brown, saturated, moderately graded @53': with gravel
					SP	SAND: medium- to coarse-grained, gray, saturated, poorly graded
55	50/5.5	0			SM	SILTY SAND with GRAVEL, medium- to coarse-grained, gray, saturated, well-graded, angular to sub-rounded gravel to 1" diameter @58': with increasing gravel
60	50/5.5	0				
	10 22 35	0			CL	SILTY CLAY with SAND: gray, wet, medium plasticity
65						Total Depth = 64.0', 11/18/05, 1500
70						
75						
80						



BORING LOG MW21A

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Date Drilled:	: 11/17/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 21.5'
First GW Depth:	: 15.0'

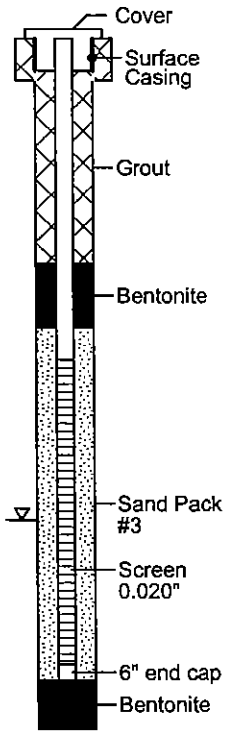
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling: 15.0'

Well: MW21A
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" asphalt Hand-cleared to 4 feet below ground surface
5	9 10 12	0.0			CL	SILTY CLAY: brownish gray, moist, low plasticity
10	10 15 19	0.0			SM	SILTY SAND with CLAY: fine-grained, gray, moist, poorly graded
15	15 15 15	2.5			SP	SAND with GRAVEL and SILT: coarse-grained, gray, saturated
20		1.1			ML	CLAYEY SILT: gray, wet to saturated, low plasticity
25						
30						
35						
40						

Total Depth: 21.5' bgs, 11-17-04



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BORING LOG MW21B

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Date Drilled:	: 11/17/04 & 11/19/05
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 33.5'
First GW Depth:	: 20.0'

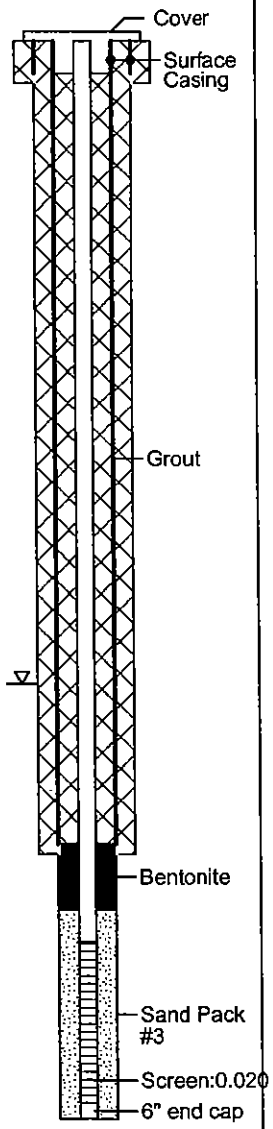
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling: 20.0'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" of Asphalt Hand-cleared to 4 feet below ground surface
5	13 20 20	0	■		CL	SILTY CLAY: brown, moist, low plasticity
10	10 10 11	0	■		SC	CLAYEY SAND: fine-grained, greenish gray, moist, poorly graded
15	7 9 14	0	■		CL	SILTY CLAY: gray, moist, medium plasticity
					SP	SAND with SILT: medium- to coarse-grained, gray, wet, poorly graded
20	7 12 14	0	■		CL	SILTY CLAY: gray, saturated, medium plasticity
					SP	SAND: medium- to coarse-grained, gray, saturated, poorly graded
25		0	■		SC	CLAYEY SILTY SAND: fine-grained, reddish-brown, wet, well-graded
	20 20 20	0	▦		SP	GRAVELLY SAND with SILT: coarse-grained, gray, wet to saturated, subrounded gravel to 0.5" diameter
	50/5.5	0	■		SC	CLAYEY SAND, medium-grained, gray, wet, well graded
30	50/5	0	■		SW	GRAVELLY CLAYEY SAND with SILT: medium- to coarse-grained, brown, wet
35						
40						

Total Depth = 33.5', 11/19/04, 1245

Well: MW21B
Elev.:



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW21C

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Date Drilled:	: 11/16/04 & 11/19/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 52.5'
First GW Depth:	: 15.0'

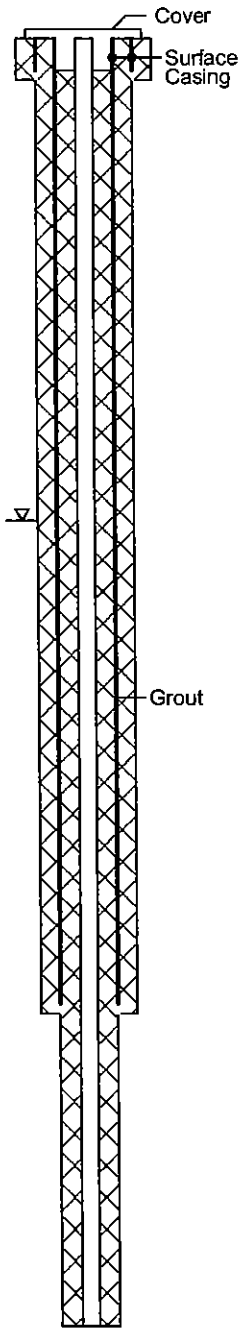
Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: 15.0'

Well: MW21C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" of asphalt Hand-cleared to 4 feet below ground surface
5	14 15 15	0			CL	SANDY CLAY with SILT: brownish gray, damp, low plasticity
10	9 14 14	0			SC	CLAYEY SAND with SILT: fine-grained, mottled brown with gray, moist, poorly graded
					CL	SANDY CLAY: gray, wet, low plasticity
15	5 8 9	0.6			SP	SAND with CLAY: medium-grained, gray, wet, poorly graded
20	12 14 15	0			SC	CLAYEY SAND: fine-grained, gray, wet, poorly graded
25	15 18 20	0			SP	SAND with CLAY and SILT: medium-grained, greenish gray, saturated, poorly graded
30		0			SP	SAND with GRAVEL: coarse-grained, reddish-brown, saturated, gravel to 1" diameter
35						
40					SC	



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW21C

Date Drilled:	: 11/16/04 & 11/19/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 52.5'
First GW Depth:	: 15.0'

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

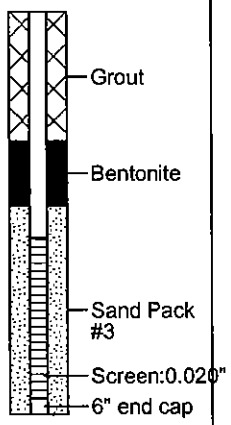
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: 15.0'

Well: MW21C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40	14 16 16				SC	CLAYEY SAND with SILT: fine-grained, mottled brown and gray, wet to saturated, moderately well graded
45	23 50/5	0			SW	SAND: fine- to coarse-grained, brown, saturated, moderately well graded
	16 33 50/2	0			SW	GRAVELLY SAND: coarse-grained, brown, saturated, moderately well graded @47.5': Increasing rounded to subrounded gravel to 1" diameter, @50': gravel increasingly coarse, grains to 2", rounded to subrounded.
50	50/5	0				
55						
60						
65						
70						
75						
80						

Total Depth = 52.5', 11/19/04, 1055



BORING LOG MW22

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	: _____

Date Drilled:	: 11/19/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 21.5'
First GW Depth:	: 11.0'

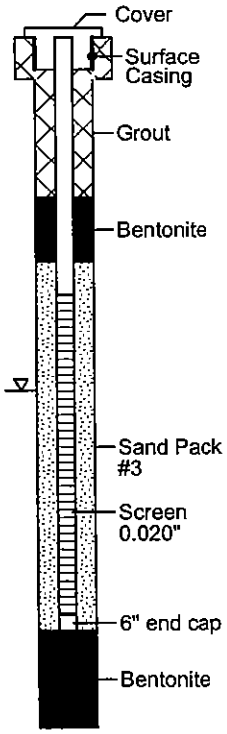
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During Drilling: 11.0'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" asphalt Hand-cleared to 4 feet below ground surface
5	10 12 12	0			CL	CLAY with SILT: brownish gray, moist, low plasticity
10	4 4 4	0			SM	SILTY SAND: fine-grained, gray, damp, moderately graded
15	8 9 11	0				@15': increasing silt
20	8 12 12	0			SW	SAND with GRAVEL: coarse-grained, gray, saturated, well graded, gravel to 1" diameter
25						
30						
35						
40						

Total Depth: 21.5' bgs, 11/19/04, 0835

Well: MW22
Elev.:



08-12-2005 F:\2101\Boring Logs\210103.MW22.bor

ATTACHMENT A

REGULATORY CORRESPONDENCE

California Regional Water Quality Control Board
North Coast Region
William R. Massey, Chairman

Terry Tamminen
Secretary for Environmental Protection

http://www.swrcb.ca.gov/rwqcb1/
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone 1-877-721-9203 Office (707) 576-2220 FAX (707) 523-0135

Arnold Schwarzenegger
Governor

May 17, 2004

RECEIVED
MAY 19 2004
BY:

Mr. Gene Ortega
ExxonMobil
25A Crescent Drive #407
Pleasant Hill, CA 94523

Dear Mr. Ortega:

Subject: Review of Workplan and Addendum for Additional Site Assessment

File: Texaco (former), 1101 Yulupa Ave., Santa Rosa, California, Case No. 1TSR013
General NPDES Order R1-2001-9

North Coast Regional Water Quality Control Board (Regional Water Board) staff have reviewed the *Workplan for Additional Site Assessment* received December 11, 2003 and the *Addendum to the Work Plan* and revised site map dated May 13, 2004 prepared by ERI Resolutions, Inc. The addendum was submitted by ERI in response to Regional Water Board staff comments on the December 11, 2003 workplan which recommended a broader scope of work to evaluate the lateral and vertical extent of dissolved hydrocarbons both on and off site. The workplan and addendum propose to drill five CPT borings to 85 feet in depth, collect discrete groundwater samples from identified water bearing zones, and install three additional groundwater monitoring wells.

Regional Water Board staff concur with the submitted workplan, addendum and revised site map with the following comments:

- Deep drilling and installation of deep monitoring wells shall be conducted in a manner that prevents cross contamination of aquifers or downward migration of groundwater. This may include the use of conductor well casing to isolate the upper aquifer that is keyed into the intervening aquitard.

- A continuous soil boring log shall be completed for each new monitoring well location. If paired shallow and deep monitoring wells are installed at the same location, a continuous soil boring log is required for the deeper well only.

If you have any questions, you may call me at (707) 576-2838. A copy of this letter is being forwarded to Sonoma County Environmental Health Department to facilitate processing of drilling permits. Please contact me five days prior to the start of work activities so that I can schedule a site visit during fieldwork.

The report of findings for this investigation is due 60 days after the completion of field activities.

Sincerely,

David S Evans for

Jo Bentz
Engineering Geologist

JLB:js051704_Review of CPT workplan-#2 1101

cc: Mr. Jim Chappel, Environmental Resolutions, Inc., 73 Digital Drive, Suite 100, Novato, CA 94949-5791
Sonoma County Heath Department, 3273 Airway Drive, Suite D, Santa Rosa, CA 95403-2097
Santa Rosa Fire Department
Ms. Marie Mosely, 1175 Harvard Drive, Santa Rosa, CA 95404
Mr. Lynn Kirk, 380 El Cielito, Santa Barbara, CA 93105
Roseann Kowell, P.O. Box 6876, Santa Rosa, CA 95406
Rose-Marie Bordessa, Mayette Apartments, 3725 Mayette Avenue, Santa Rosa, CA 95404

ATTACHMENT B

STANDARD FIELD PROTOCOL

FIELD PROTOCOL

Site Safety Plan

Field work will be performed by ERI personnel in accordance with a Site Safety Plan developed for the site. This plan describes the basic safety requirements for the subsurface investigation and the drilling of soil borings at the work site. The Site Safety Plan is applicable to personnel and subcontractors of ERI. Personnel at the site are informed of the contents of the Site Safety Plan before work begins. A copy of the Site Safety Plan is kept at the work site and is available for reference by appropriate parties during the work. The ERI geologist will act as the Site Safety Officer.

Drilling of Soil Borings

Prior to the drilling of soil borings, ERI will acquire necessary permits from the appropriate agency(ies). ERI will also contact Underground Service Alert (USA) and a private underground utility locator (per ExxonMobil protocol) before drilling to help locate public utility lines at the site. ERI will clear the proposed locations to a depth of approximately 4 or 8 feet (depending on the location), before drilling to reduce the risk of damaging underground structures.

The soil borings will be drilled with a B57 (or similar) drill rig with hollow-stem auger. Auger flights and sampling equipment will be steam-cleaned before use to minimize the possibility of crosshole contamination. The rinsate will be containerized and stored on site. ERI will coordinate with ExxonMobil for appropriate disposal of the rinsate.

Drilling will be performed under the observation of a field geologist, and the earth materials in the boring will be identified using visual and manual methods, and classified as drilling progresses using the Unified Soil Classification System. Soil borings will be drilled to approximately 25 to 50 feet bgs, respectively.

During drilling, soil samples will be collected at five-foot intervals. Samples will be collected with a California-modified, split-spoon sampler equipped with laboratory-cleaned brass sleeves. Samples will be collected by advancing the auger to a point just above the sampling depth and driving the sampler into the soil. The sampler will be driven 18 inches with a standard 140-pound hammer repeatedly dropped 30 inches. The number of blows required to drive the sampler each successive 6-inch interval will be counted and recorded to give an indication of soil consistency.

Soil samples will be monitored with a photo-ionization detector (PID), which measures hydrocarbon concentrations in the ambient air or headspace above the soil sample. Field instruments such as the PID are useful for indicating relative levels of hydrocarbon vapors, but do not detect concentrations of hydrocarbons with the same precision as laboratory analyses. Soil samples selected for possible chemical analysis will be sealed promptly with Teflon® tape and plastic caps. The samples will be labeled and placed in iced storage for transport to the laboratory. Chain-of-Custody records will be initiated by the geologist in the field, updated throughout handling of the samples, and sent with the samples to the laboratory. Copies of these records will be in the final report. Cuttings generated during drilling will be placed on plastic sheeting and covered and left at the site. ERI will coordinate with ExxonMobil for the soil to be removed to an appropriate disposal facility.

Well Construction

The monitoring wells will be constructed in the borings using thread-jointed, 2-inch inner diameter, Schedule 40 polyvinyl chloride (PVC) casing. No chemical cements, glues, or solvents will be used in well construction. The screened portion of the wells will consist of factory-perforated casing with 0.020-inch wide slots. Unperforated casing will be installed from the top of each screen to the ground surface. The annular space in the wells will be packed with number 3 sand to approximately one foot above the slotted interval and a surged and refilled bentonite plug will be added above the sand pack to prevent cement from entering the well pack. The remaining annulus will be backfilled to grade with a slurry of cement and bentonite powder.

The wells will be protected with a locking cap and a traffic-rated, cast-steel utility box equipped with a steel skirt. The box has a watertight seal to protect against surface-water infiltration.

Well Development and Sampling

ERI will wait a minimum of 24 hours before development of the wells to allow the grout to set. The wells will be developed with a surge block and pump. Well development will continue until the discharge water is clear of silt and sand. Clay-size sediments derived from the screened portion of the formation cannot be eliminated by well development. After the wells have been allowed to stabilize, the wells will be checked for separate-phase hydrocarbons using an interface probe. The thickness of any separate-phase hydrocarbons detected in the wells will be recorded. If free phase hydrocarbons are encountered in a well, the well will not be purged, and the water will not be sampled for chemical analysis.

If no separate-phase hydrocarbons are detected after development, the groundwater monitoring wells will be purged of stagnant water and a sample will be collected for laboratory analysis. The wells will be purged of approximately 3 to 5 well volumes of water with a submersible pump, or until pH, conductivity, and temperature of the purged water have stabilized. Water purged from the wells will be transported by ERI for disposal at Romic, Inc., of East Palo Alto, California.

The wells will be allowed to recover to at least 80 percent of static conditions, and a sample of the formation water will be collected with a disposable Teflon® bailer. The water will be transferred slowly from the bailer to laboratory-cleaned, 1 liter amber bottles and 40-milliliter glass vials for analyses by the laboratory. The glass vials will contain hydrochloric acid as a preservative. The sampler will check to see if headspace is present. If headspace is present, the sampler will collect more samples until none is present. Chain-of-Custody record will be initiated in the field by the sampler, updated throughout handling of the samples, and sent along with the samples to the laboratory. A copy of the Chain-of-Custody record will be included in our final report.

Groundwater Sample Collection

The static water level and separate-phase product level, if present, in each well that contained water and/or separate-phase product are measured with an ORS Interface Probe, which is accurate to the nearest 0.01 foot. To calculate groundwater elevations and evaluate groundwater gradient, depth to water (DTW) levels are subtracted from top of casing elevations.

Groundwater samples collected for subjective evaluation are collected by gently lowering approximately half the length of a clean Teflon® or polypropylene bailer past the air-water interface (if possible) and collecting a sample from near the surface of the water in the well. The samples are checked for measurable free-phase hydrocarbons or sheen. If appropriate, free-phase hydrocarbons are removed from the well.

Before water samples are collected from the groundwater monitoring wells, the wells are purged until a minimum of three well casing volumes is purged and stabilization of the temperature, pH, and conductivity is obtained. Water samples from the wells that do not obtain stability of the temperature, pH, and conductivity are considered to be "grab samples". The quantity of water purged from each well is calculated as follows:

1 well casing volume = $\pi r^2 h(7.48)$ where:

r	=	radius of the well casing in feet.
h	=	column of water in the well in feet (depth to bottom - depth to water)
7.48	=	conversion constant from cubic feet to gallons
π	=	ratio of the circumference of a circle to its diameter

Gallons of water purged/gallons in 1 well casing volume = well casing volumes removed.

After purging, each well is allowed to recharge to at least 80% of the initial water level. Water samples from wells that do not recover at least 80% (due to slow recharging of the well) between purging and sampling are considered to be "grab samples". Water samples are collected with a new, disposable Teflon® or polypropylene bailer. The groundwater is carefully poured into selected sample containers (40-milliliter [ml] glass vials, 1,000-ml glass amber bottles, etc.), which are filled so as to produce a positive meniscus.

Depending on the required analysis, each sample container is preserved with hydrochloric acid, nitric acid, etc., or it is preservative free. The type of preservative used for each sample is specified on the Chain-of-Custody form.

Each vial and glass amber bottle is sealed with a cap containing a Teflon® septum, and subsequently examined for air bubbles to avoid headspace, which would allow volatilization to occur. The samples are promptly transported in iced storage in a thermally insulated ice chest, accompanied by a Chain-of-Custody record, to a California state-certified laboratory.

ATTACHMENT C

COUNTY OF SONOMA,
MONITORING WELL PERMITS

COUNTY OF SONOMA – DEPARTMENT O ALTH SERVICES
ENVIRONMENTAL HEALTH DIVISION
3273 Airway Drive, Suite D, Santa Rosa, CA 95403-2097
(707) 565-6565 www.sonoma-county.org

APPLICATION FOR MONITORING WELL PERMIT
for Regional Board Lead/Environmental Assessment

For Office Use Only
Amount paid $1071.00
Receipt number 986B
Payment date 10/3/04 Rev. code 1343
Site ID# 18
Permit # 44463

Well type: [X] Monitoring well [ ] Recovery extraction well [ ] Boring [ ] Injection well [ ] Destruct [ ] Environmental assessment
[ ] Soil gas survey [ ] Direct push [ ] Air sparging/venting [ ] Remediation well [ ] Other

Well depth 65 ft./30ft/20ft Boring depth

On-site well/boring ID # # Off-site well/boring ~~3~~ 7 ID # MW5C, 20C, 21C MW20, 21A, 22 MW21B

Submit legal right-of-entry/off-site well address/encroachment permit

On-site Address 1101 Yulupa Avenue AP# 014-272-024

Facility Name Former Exxon Service Station 7-0277

On-site Owner Mr. Michael Gutzman Phone 707-544-4297
Street 465 A Kenwood Courty City Santa Rosa State CA Zip 95407

Responsible Party ExxonMobil Refining & Supply Phone 510-368-5570
Street 25A Crescent Drive #407 City Pleasant Hill State CA Zip 94523

Consultant Environmental Resolutions, Inc. Phone 707-766-2000
Street 601 N. McDowell Blvd. City Petaluma State CA Zip 94954
License #/Type A/C 10-611383

Drilling Contractor Woodward Drilling Phone 707-374-4300
Street P.O. Box 336 City Rio Vista State CA Zip 94571
C-57 License # 710079

Type of work: [ ] Initial investigation # Wells [X] Subsequent investigation ~~3~~ 7 # Wells [ ] Destruct # Wells

Groundwater investigation due to: [X] Underground tank [ ] Surface impoundment [ ] Environmental assessment
[ ] Surface disposal practice—specify involved industry
[ ] Other

Perforated intervals 60-65 ft. Chemical constituents TPHd, TPHg, MTBE, BTEX, HVOCs

Disposal method for soil cuttings stockpile on site Disposal method for development water drums on site

Drilling method hollow stem auger Method of drill equip. rinsate containment drums on site

If destroying a well, abandonment method

Submit plot plan of wells in relation to all sewer or septic lines.

Is well to be constructed within: 100 feet of a septic tank or leachfield? [ ] Yes [X] No
50 feet of any sanitary sewer line? [ ] Yes [X] No
25 feet of any private sanitary sewer line? [ ] Yes [X] No

0013430
WELL PER 1071.00
TTLAMT 1071.00
CHECKS 1059.00
CHECKS 12.00
CHANGE 0.00
986B #2 10:21

In addition, all monitoring wells must include ***identification system*** affixed to interior surface: 10/04/04

1) Well identification 2) Well type 3) Well depth 4) Well casing diameter 5) Perforated intervals

Well identification number and well type shall be ***affixed*** to the ***exterior surface*** security structure.

For Office Use Only

Address 1401 Yulupa
Santa Rosa

Site ID# 18

Permit # 44163

I hereby agree to comply with all laws and regulations of the County of Sonoma and State of California pertaining to water well construction. I will telephone (707) 565-6565, 48 hours in advance, to notify the Environmental Health Specialist when completing or destroying a well. I will furnish the Director of Health Services and the owner a legible copy of the State Water Well Driller's Report within 15 days; and a copy of the Summary Report, including sample results, should be received by this Department within 90 days in order to obtain final approval on this well permit. I acknowledge that the application will become a permit ***only*** after site approval and payment of fee. I understand that this permit is not transferable and expires one year from date of issuance.

David Van Dorn Date 7/14/04

Signature of Well Driller—***no proxies***

Insurance Carrier State Fund Expiration Date Oct 1 2004

Once all wells/borings are installed, submit a Well Driller's Log and/or Summary Report to complete permit process.

Indicate on attached plot plan the exact location of well(s) with respect to the following items: property lines, water bodies or water courses drainage pattern, roads, existing wells, sewer main and laterals and private sewage disposal systems or other sources of contamination or pollution. INCLUDE DIMENSIONS. The validity of this permit depends upon the accuracy of the information provided by the applicant.

Conditions of permit:

FOR OFFICE USE ONLY – ENVIRONMENTAL HEALTH DIVISION

Permit approved by [signature] Date 11 05 04

Constr. approved by _____ Observed? [ ] Yes [ ] No Well # _____ Date __/__/__

RWQCB approval No Contm Verbal Date __/__/__

monwell.frm.doc (Revised 03/01) Copies: White—File Yellow—Driller Pink—Consultant Gold—Owner/Resp. Party

ATTACHMENT D

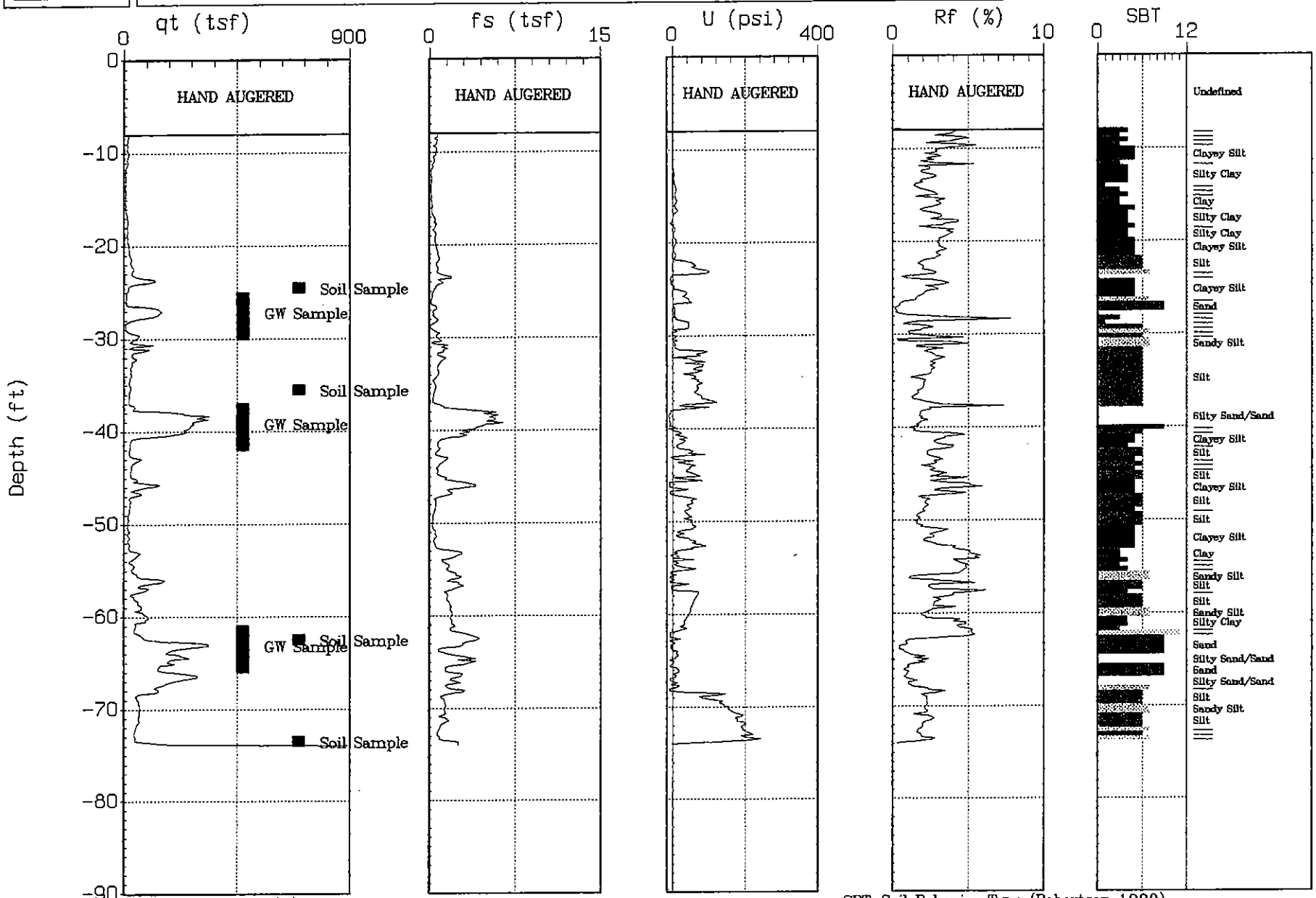
CONE PENETRATION TEST DATA

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-01

Geologist: J. CLARK
Date: 07:15:04 09:34



Max. Depth: 73.98 (ft)
Depth Inc.: 0.164 (ft)

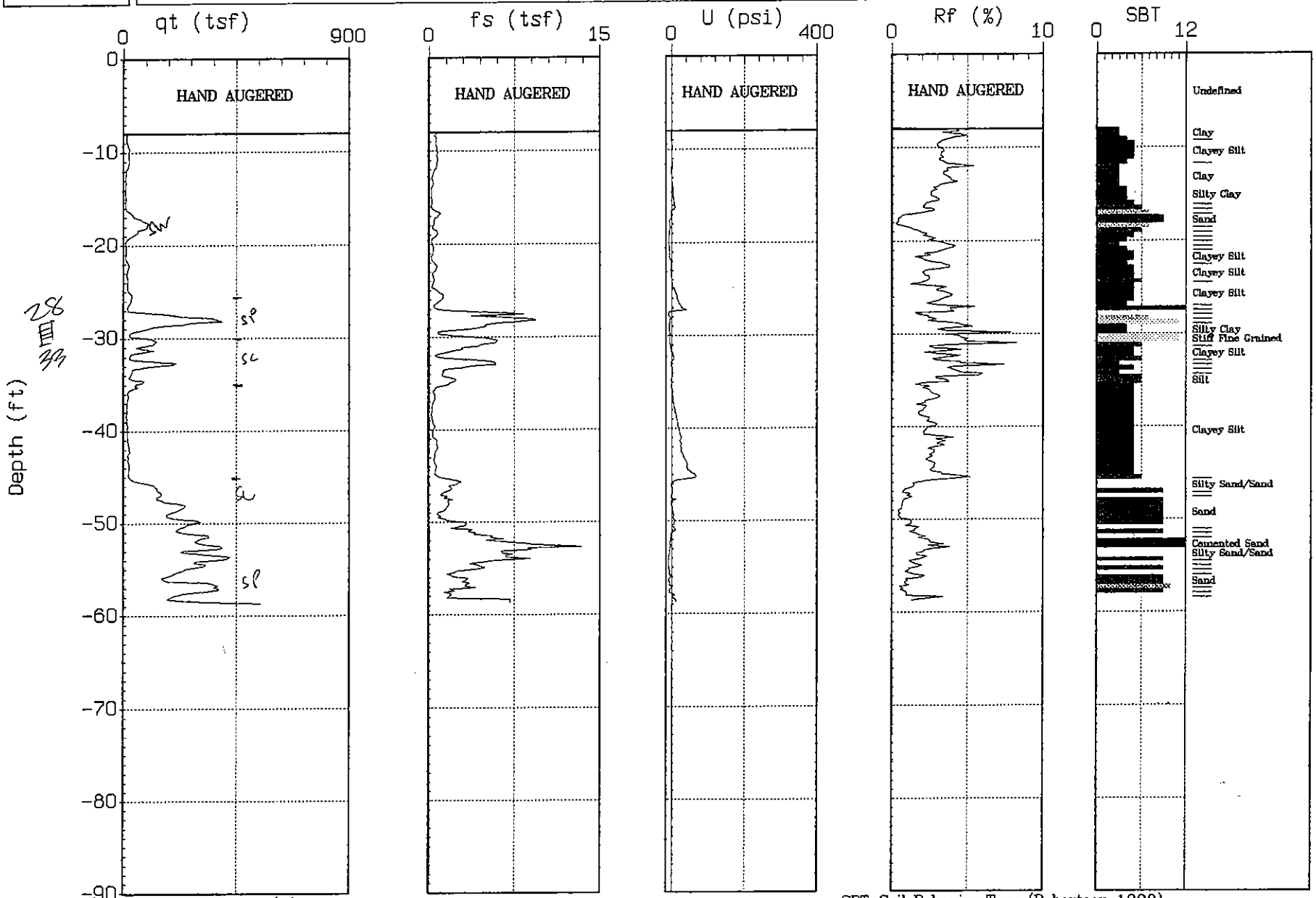
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-02

Geologist: J. CLARK
Date: 07:13:04 05:35



Max. Depth: 58.73 (ft)
Depth Inc.: 0.164 (ft)

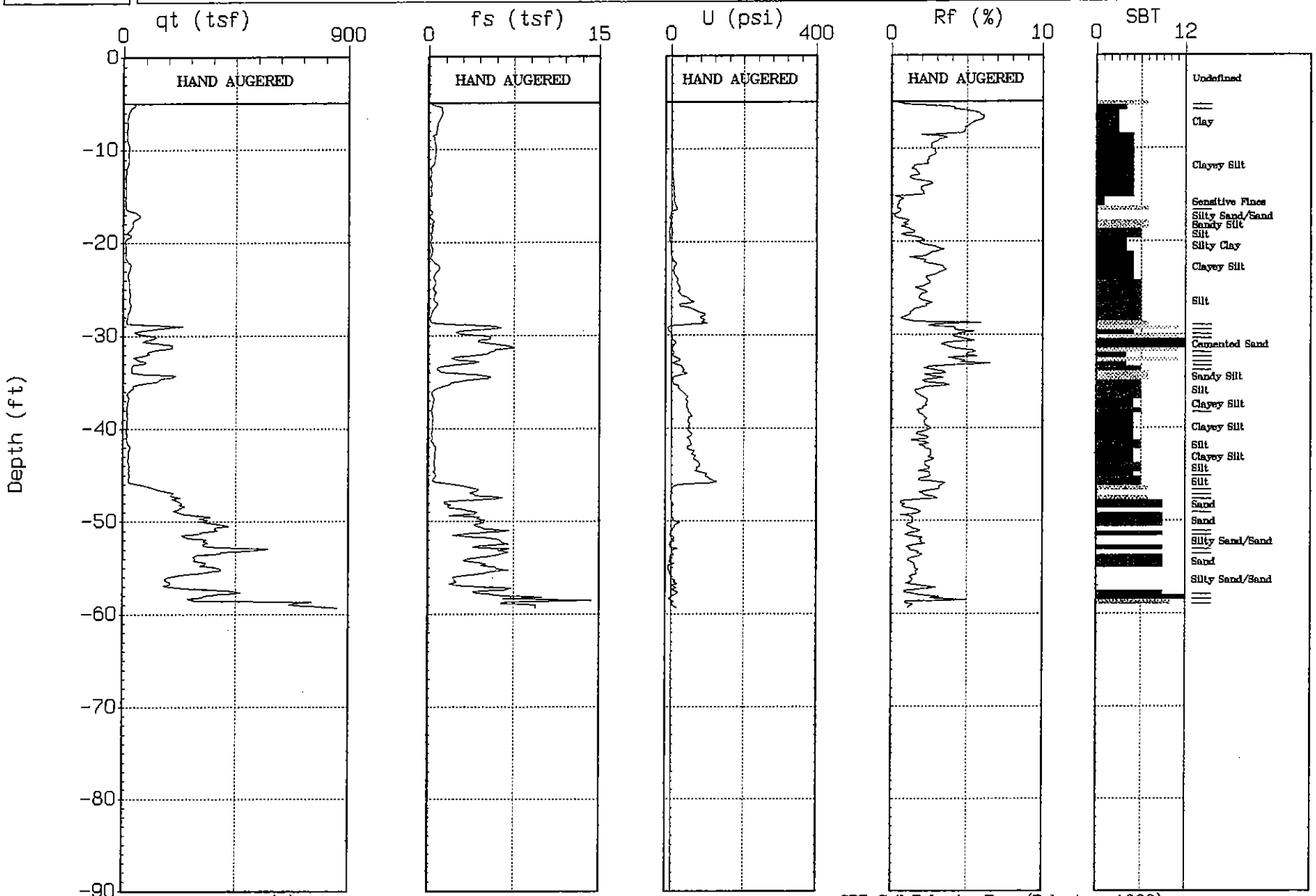
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-02A

Geologist: J. CLARK
Date: 07:14:04 08:55



Max. Depth: 59.38 (ft)
Depth Inc.: 0.164 (ft)

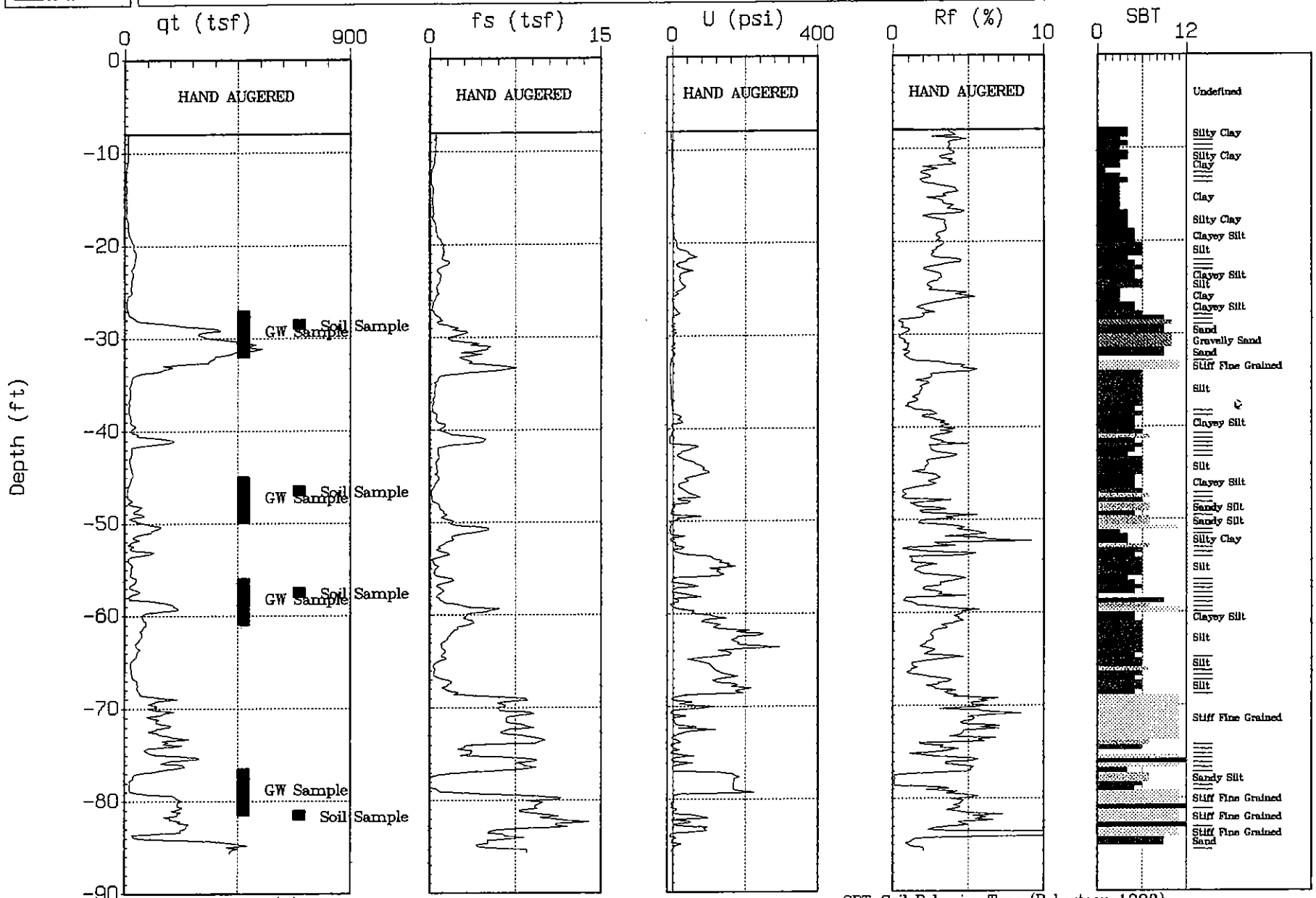
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-03

Geologist: J. CLARK
Date: 07:14:04 16:44



Max. Depth: 85.63 (ft)
Depth Inc.: 0.164 (ft)

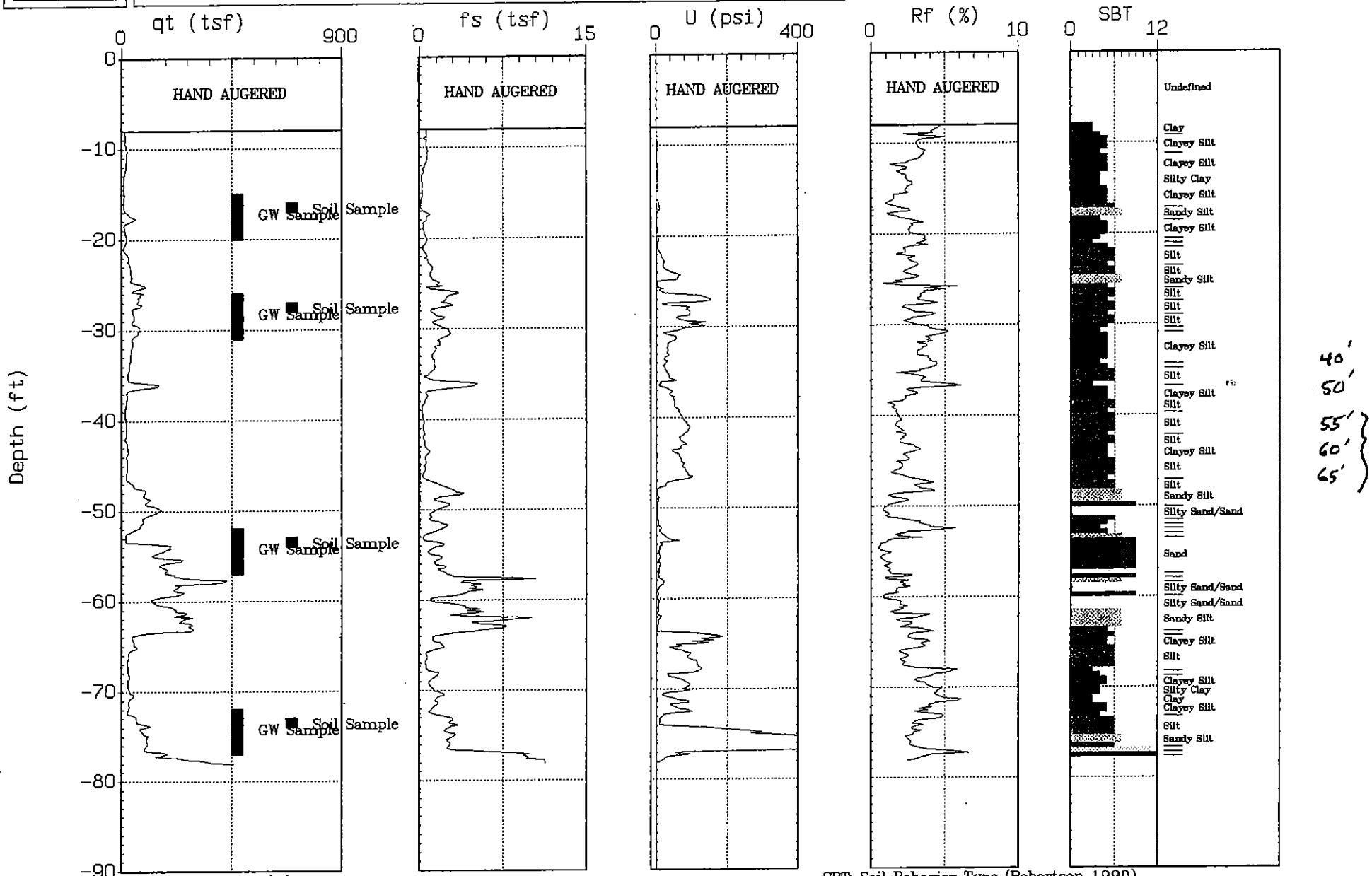
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-04

Geologist: J. CLARK
Date: 07:14:04 09:56



Max. Depth: 78.08 (ft)
Depth Inc.: 0.164 (ft)

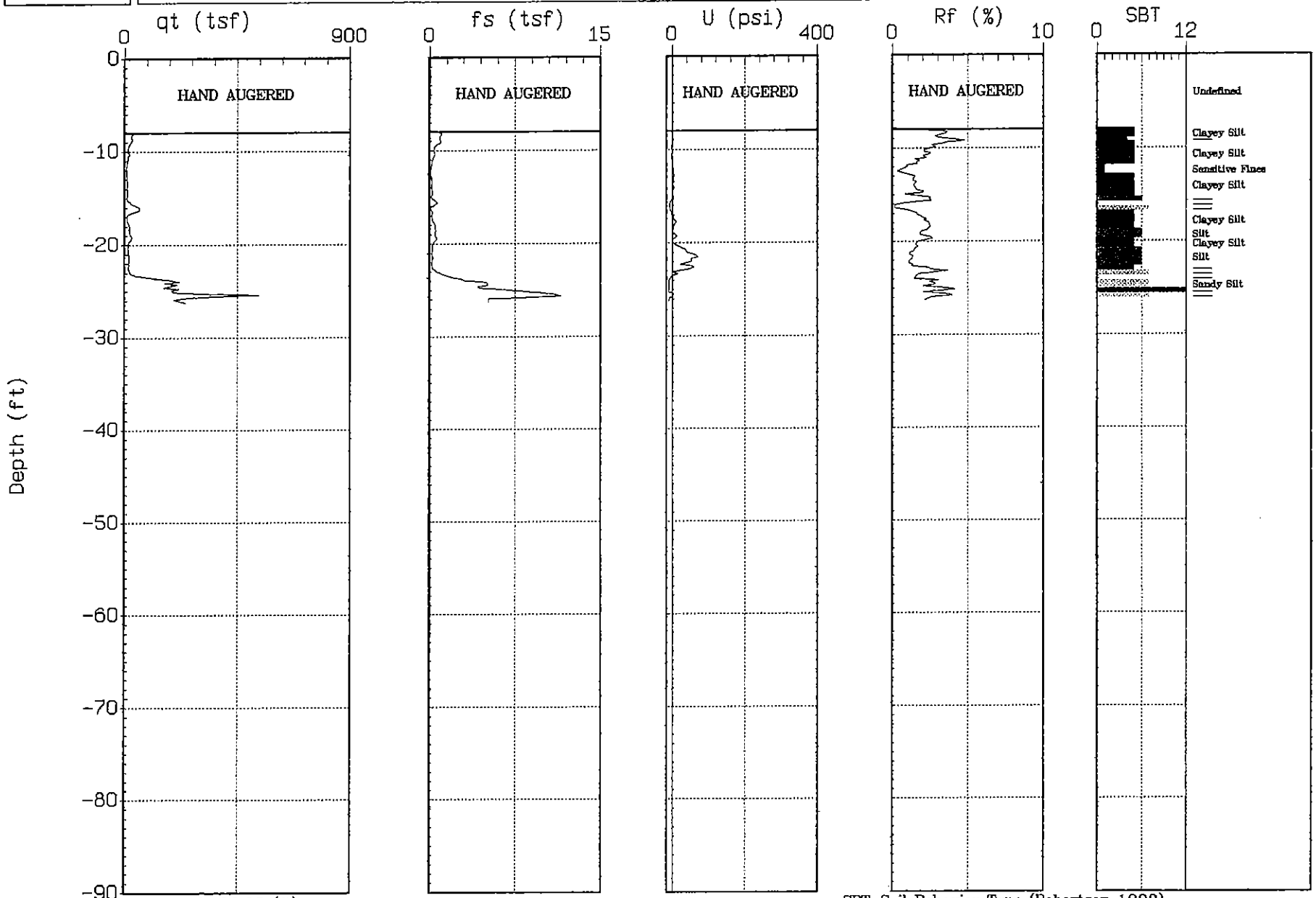
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-05

Geologist: J. CLARK
Date: 07:13:04 04:33



Max. Depth: 26.25 (ft)
Depth Inc.: 0.164 (ft)

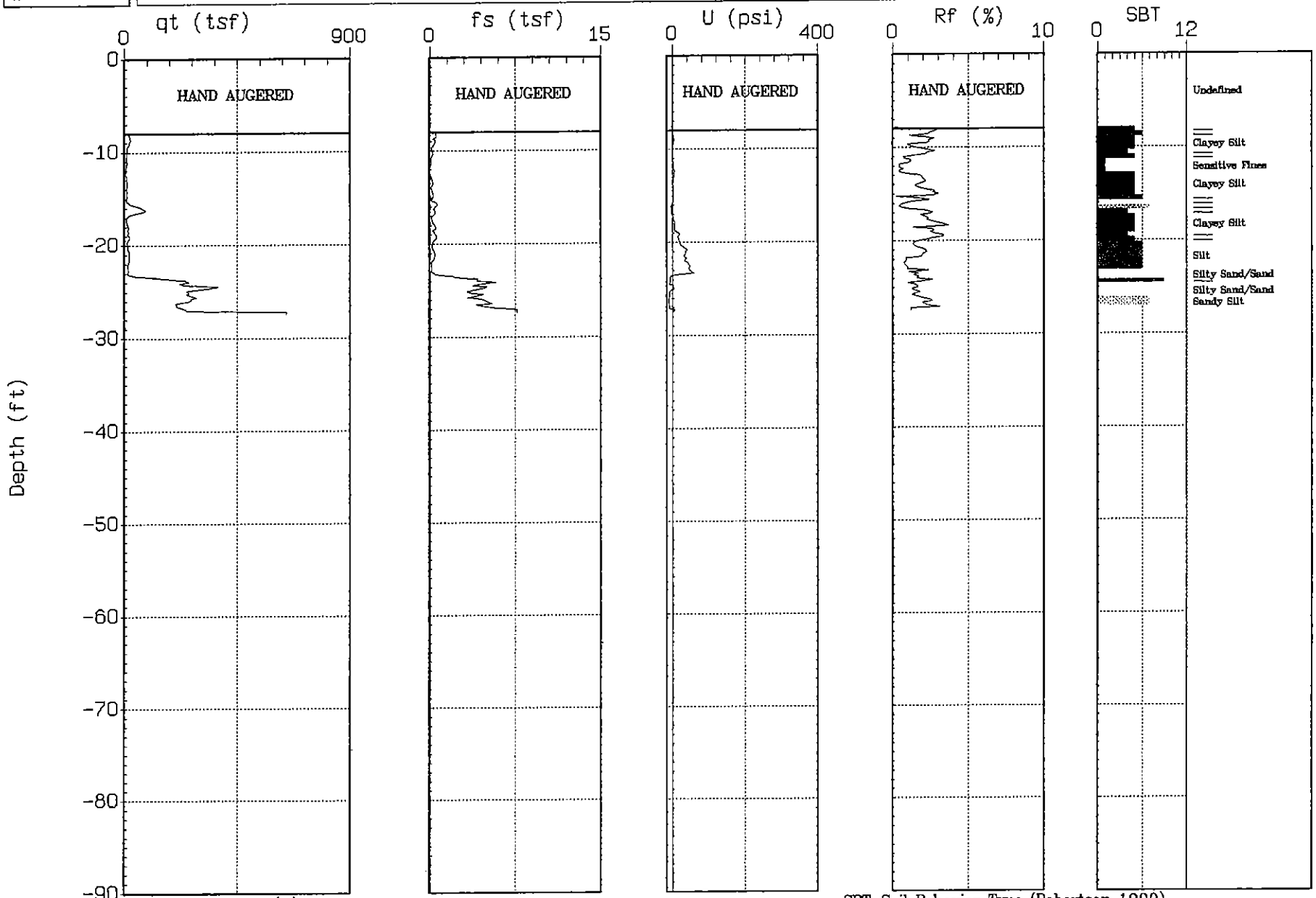
SBT: Soil Behavior Type (Robertson 1990)

GREGG

ERI

Site: EXXON 7-0277
Location: CPT-05A

Geologist: J. CLARK
Date: 07:14:04 07:51



Max. Depth: 27.39 (ft)
Depth Inc.: 0.164 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ATTACHMENT E

UNIFIED SOIL CLASSIFICATION SYSTEM, SYMBOL KEY, AND BORING LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	DESCRIPTION	MAJOR DIVISIONS		LTR	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel sand mixtures, little or no fines	FINE GRAINED SOILS	SILTS AND CLAYS LL<50	ML	Inorganic silts and very fine-grained sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		GP	Poorly-graded gravels or gravel sand mixture, little or no fines			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		GM	Silty gravels, gravel-sand-clay mixtures			OL	Organic silts and organic silt-clays of low plasticity
		GC	Clayey gravels, gravel-sand-clay mixtures		SILTS AND CLAYS LL>50	MH	Inorganic silts, micaceous or diatomaceous fine-grained sandy or silty soils, elastic silts
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines			CH	Inorganic clays of high plasticity, fat clays
		SP	Poorly-graded sands or gravelly sands, little or no fines			OH	Organic clays of medium to high plasticity
		SM	Silty sands, sand-silt mixtures	HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils
		SC	Clayey sands, sand-clay mixtures				

SAMPLE CONDITION

- NO RECOVERY
- SAMPLED INTERVAL
- DESCRIBED SAMPLE
- PRESERVED SAMPLE
- GROUNDWATER LEVEL OBSERVED FROM FIRST WET SOIL SAMPLE IN BORING
- STATIC GROUNDWATER LEVEL
- OVM — ORGANIC VAPOR METER READING IN PARTS PER MILLION BY VOLUME
- PID — PHOTO-IONIZATION DETECTOR READING IN PARTS PER MILLION BY VOLUME

WELL DESIGN

- SAND PACK
- BENTONITE ANNULAR SEAL
- NEAT CEMENT ANNULAR SEAL
- BLANK CASING
- SLOTTED CASING
- NR — NOT RECORDED
- NA — NOT ANALYZED

BLOW/FT. REPRESENTS THE NUMBER OF BLOWS OF A 140-POUND HAMMER FALLING 30 INCHES TO DRIVE THE SAMPLER THROUGH THE LAST 12 INCHES OF AN 18-INCH OR 24-INCH PENETRATION.

DASHED LINES SEPARATING UNITS ON THE LOG REPRESENT APPROXIMATE BOUNDARIES ONLY. ACTUAL BOUNDARIES MAY BE GRADUAL. LOGS REPRESENT SUBSURFACE CONDITIONS AT THE BORING LOCATION AT THE TIME OF DRILLING ONLY.

ERI ENVIRONMENTAL RESOLUTIONS, INC.	UNIFIED SOIL CLASSIFICATION SYSTEM AND LOG OF BORINGS SYMBOL KEY Former Exxon Service Station 7-0277 1101 Yulupa Avenue Santa Rosa, California	ATTACHMENT E
PROJECT 2101		

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP1

(Page 1 of 2)

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 71'
First GW Depth:	:

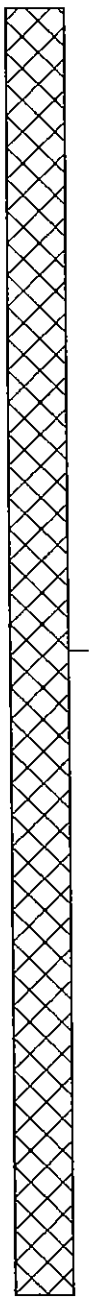
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling:

Soil Boring: DP1

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						
5						
10						
15						
20						
23			■		ML	SANDY SILT: dark olive gray (5Y 3/2m), moist, low plasticity, with rare organic debris
25						
30						
34			■		CL	SILTY CLAY WITH SAND: dark gray (5Y 4/1m), moist to wet, low plasticity, sand is very fine-grained
35						
40						



08-12-2005 J:\2101\2101DP1.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP1

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 71'
First GW Depth:	:

Project No.: : 2101
Site: : Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By: : Daniel A. Parsons
Reviewed By: : Geoffrey V. Waterhouse, P.G. 5019
Signature: :

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling:

Soil Boring: DP1

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
40						
45						
50						
55						
60						
					GW	GRAVEL WITH SILT: coarse-grained, dark brown (10YR 3/3m), wet to saturated, well graded, angular to rounded grains to 1" diameter
65						
70					GW	SANDY GRAVEL WITH SILT: fine-grained, dark yellowish brown (10 YR 4/6m), wet, well graded, subangular gravel to 3/8" diameter
						Total Depth= 71', 7/16/04, 1640
75						
80						

Grout

08-12-2005 J:\2101\2101DP1.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP2

(Page 1 of 2)

Date Drilled:	: 07/19/04
Drilling Co.:	: Woodward
Drilling Method:	: Direct-push
Sampling Method:	: Continuous core
Borehole Diameter:	: 2 3/8"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 57'
First GW Depth:	: 12'

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition
- No Recovery
- Not Sampled
- Described Sample
- Preserved Sample

Water Levels
- After Completion: 14.5', 7/19/04
- During Drilling: 12'

Soil Boring: DP2

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						Hand-cleared to 5'
5					CH	CLAY WITH SAND: very dark brown (10YR 2/2m), moist, medium to high plasticity
10						@10': becoming moist to wet, mottled, dark yellowish brown
15					ML	SANDY SILT: very dark gray (2.5Y N 3/m), wet, low plasticity, very fine-grained sand, with rare organic debris
20					SW	SAND: fine to coarse-grained, very dark gray (2.5Y N 3/m), saturated, well graded, rounded pebbles to 1/2" diameter
					ML	SILT: very dark gray (2.5Y N 3/m), wet, medium plasticity, uncommon decayed organic debris
25					CL	SILTY CLAY, very dark gray (2.5Y N 3/m), moist, medium plasticity @24': with sand, becoming dark greenish gray (5GY 4/1m)
					SP	SAND WITH SILT, very fine to fine-grained, dark greenish gray (5GY 4/1m), saturated, poorly graded, uncommon decayed organic debris
30					SC	CLAYEY SAND WITH GRAVEL, medium to coarse-grained, dark yellowish brown (10YR 3/4m), moist to wet, well graded, rounded pebbles to 1" diameter, average 1/4" diameter @33.5': with increasing clay
35					CL	CLAY WITH SAND, light olive brown (2.5Y 5/4m), moist, low plasticity, sand is fine-grained, with occasional sandy stringers 1.5" thick
40					CL	SANDY CLAY, light olive brown (2.5Y 5/4m), moist, low plasticity, yellowish-red mottling (5YR 4/6m), sand is fine-grained

Grout

08-12-2005 J:\2101\2101DP2.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP2

Date Drilled:	: 07/19/04
Drilling Co.:	: Woodward
Drilling Method:	: Direct-push
Sampling Method:	: Continuous core
Borehole Diameter:	: 2 3/8"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 57'
First GW Depth:	: 12'

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition: No Recovery; Not Sampled; Described Sample; Preserved Sample

Water Levels: After Completion: 14.5', 7/19/04; During Drilling: 12'

Soil Boring: DP2

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40					CL	
					SP	SAND WITH CLAY, fine-grained, olive brown (2.5Y 4/4m), moist, poorly graded, with rare pebbles to 0.5" diameter
					CL	SANDY CLAY, olive brown (2.5Y 4/4m), moist, low to medium plasticity, mottled yellowish red (5YR 4/6m) @43.25': with decreasing mottling @44.5': with increasing sand
45					SW	SAND WITH CLAY, fine to coarse-grained, yellowish brown (10YR 5/4m), saturated, well graded, with uncommon rounded pebbles to 1/4" diameter
50					SP	SAND, medium to coarse-grained, dark brown (10YR 3/3m), saturated, moderately graded @49.25'-49.5': with subrounded gravel to 1.5" diameter @52'-54': with increasing fines (trace) @54': becoming coarse-grained, with common rounded pebbles to 1" diameter
55						
60						
65						
70						
75						
80						

Total Depth= 57', 7/19/04, 1620

Grout

08-12-2005 J:\2101\2101DP2.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP3

Date Drilled:	: 07/15/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct Push
Sampling Method:	: Piston (soil), Grab (water)
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 81'
First GW Depth:	: 24'

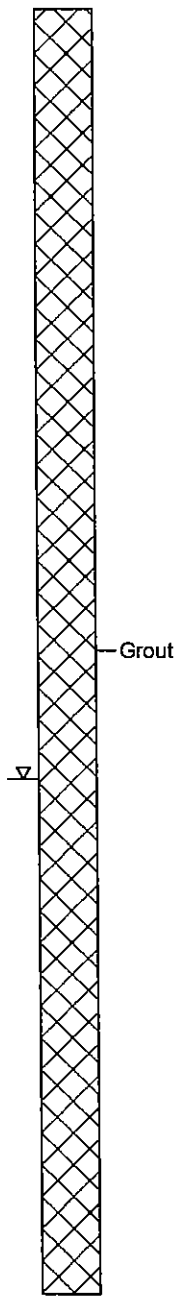
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling: 24'

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						
5						
10						
15						
20						
25						
					SW	SAND WITH SILT, coarse-grained, very dark gray (10YR 3/1m), wet to saturated, well graded, subrounded grains to 1/4"
30						
35						
40						

Soil Boring: DP3



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP3

Date Drilled:	: 07/15/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct Push
Sampling Method:	: Piston (soil), Grab (water)
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 81'
First GW Depth:	: 24'

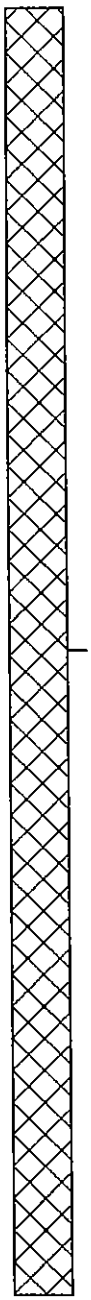
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling: 24'

Soil Boring: DP3

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
40						
45						
50						
55						
					SW	SAND WITH SILT AND GRAVEL, coarse-grained, dark yellowish brown (10YR 3/4m), wet to saturated, well graded, subangular to subrounded grains to 3/8" diameter
60						
65						
70						
75						
80						



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP3

Date Drilled:	: 07/15/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct Push
Sampling Method:	: Piston (soil), Grab (water)
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 81'
First GW Depth:	: 24'

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling: 24'

Soil Boring: DP3

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
80					ML	SANDY SILT WITH CLAY, dark olive gray (5Y 3/2m), wet to saturated, with occasional subangular grains to 1/8" diameter

Total Depth= 81', 7/15/05, 1715

Grout

85, 90, 95, 100, 105, 110, 115, 120

08-12-2005 J:\2101\2101DP3.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP4

(Page 1 of 2)

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 77'
First GW Depth:	:

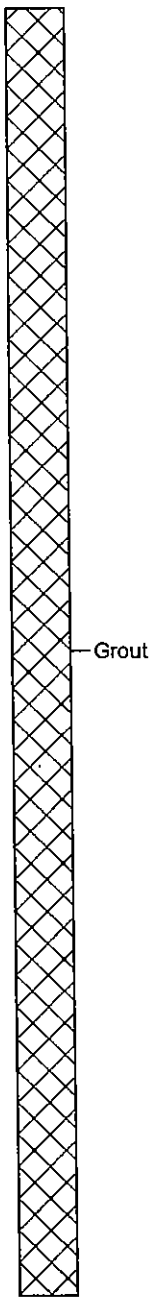
Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition
- No Recovery
- Sampled Interval
- Described Sample
- Preserved Sample

Water Levels
- After Completion:
- During Drilling:

Soil Boring: DP4

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						
5						
10						
15					ML	SANDY SILT WITH CLAY, very dark grayish brown (2.5Y 3/2m), wet, low plasticity
20						
25					ML	SANDY SILT, olive brown (2.5Y 4/4m), moist, low to medium plasticity
30						
35						
40						



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP4

Date Drilled:	: 07/16/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 77'
First GW Depth:	:

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion:; During Drilling:

Soil Boring: DP4

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
40						
45						
50						
					SW	GRAVELLY SAND WITH SILT, coarse-grained, very dark gray (5Y 3/1m), wet, well graded, angular grains to 1" diameter
55						
60						
65						
70						
					SP	SAND WITH SILT, medium-grained, dark olive gray (5 Y 3/2m), saturated, poorly graded
75						
80						

Grout

Total Depth = 77', 7/16/05, 1120

08-12-2005 J:\2101\2101DP4.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP5

Date Drilled:	: 08/11/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 39.5'
First GW Depth:	: 14'

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling: 14'

Soil Boring: DP5

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
0						Hand cleared to 8' bgs, 7/12/04
5						
					CL	CLAY WITH SAND AND SILT: very dark brown (7.5Y 2.5/2m), damp, moderate plasticity
10					SP	SAND WITH SILT: medium-grained, very dark grayish brown (2.5Y 3/2m), wet, poorly graded @12': increasing clay
					SP	SAND WITH CLAY: medium-grained, very dark grayish brown (2.5Y 3/2m), wet, poorly graded
					CL	CLAY WITH SAND: very dark grayish brown (2.5Y 3/2m), wet, moderate plasticity
15					SP	SAND WITH SILT: medium-grained, very dark grayish brown (2.5Y 3/2m), wet, poorly graded @16'-18': becoming coarser grained, trace gravel @19': increasing clay
20						

Grout

08-12-2005 J:\2101\2101DP5.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG DP5

Date Drilled:	: 08/11/04
Drilling Co.:	: Gregg
Drilling Method:	: Direct-push
Sampling Method:	: Piston
Borehole Diameter:	: 2.25"
Casing Diameter:	: N/A
Location N-S:	:
Location E-W:	:
Total Depth:	: 39.5'
First GW Depth:	: 14'

Project No.:	: 2101
Site:	: Former Exxon Service Station 7-0277, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: After Completion: ; During Drilling: 14'

Soil Boring: DP5

Depth (ft)	Blow Count	OVM/PID (ppm)	Sample	Column	USCS	DESCRIPTION
20					SP	@21'-22': mottled, dark olive brown (2.5Y 3/3m) @22': dark brown (7.5YR 3/2m) @22.5': decreasing clay, becoming saturated, becoming coarser grained
					SP	SAND WITH GRAVEL: medium- to coarse-grained, dark reddish brown (5YR 3/4m), wet, poorly graded, subangular gravel to 0.5" diameter
25					GW	SANDY GRAVEL WITH SILT: fine to coarse gravel, well graded, subrounded to angular gravel to 1" diameter @24.5': becoming coarser grained
					SC	CLAYEY SAND: medium-grained, olive brown (2.5Y 4/3m), saturated, poorly graded
30					GW	GRAVEL WITH SAND: coarse gravel, olive gray (5Y 4/2m), wet, well graded, gravel to 1" diameter @32': increasing sand
					CL	SANDY CLAY: dark yellowish brown (10YR 4/4m), damp, medium plasticity
35					SC	CLAYEY SAND: fine-grained, olive gray (5Y 4/2m), saturated, moderately graded
					SP	SAND WITH CLAY: medium-grained, dark yellowish brown (10YR 3/4m), wet, poorly graded
					SW	GRAVELLY SAND WITH CLAY: coarse-grained, dark yellowish brown (10YR 3/4m), moist, moderately graded, gravel to 0.5" diameter
					GW	SANDY GRAVEL WITH SILT: fine to coarse gravel, dark yellowish brown (10YR 4/4m), saturated, well graded, gravel to 1" diameter
40						Total Depth = 39.5', 8/11/05, 1310

Grout

08-12-2005 J:\2101\2101DP5.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW5C

(Page 1 of 2)

Date Drilled:	: 11/15/04 & 11/18/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.5'
First GW Depth:	: 15.0'

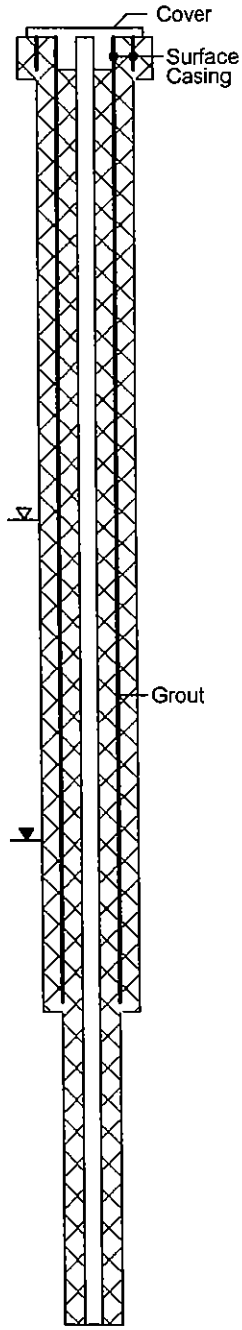
Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, R.G. 5019
Signature:	:

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling 15.5'

Well: MW5C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	USCS	DESCRIPTION
0				6" Asphalt Hand-cleared to 8 feet below ground surface
10	8 8 10	448	SC	CLAYEY SAND: fine-grained, gray, moist, moderately graded
15	8 9 10			@16': Increasing sand
20	15 22 25	3.9		@20': Increasing sand
25			SP	SAND, medium- to coarse-grained, gray, wet to saturated, poorly graded @26': Increasing clay
30			GP	SANDY GRAVEL w/ SILT and CLAY, gray, saturated, moderately graded, gravel to 1.5" diameter, @31': Increasing clay
35			SW	@35': occasional gravel
40				



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW5C

Date Drilled:	: 11/15/04 & 11/18/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.5'
First GW Depth:	: 15.0'

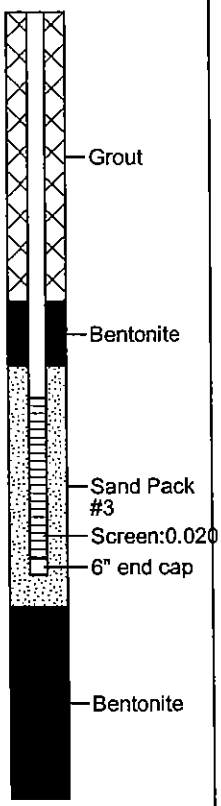
Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling 15.5'

Well: MW5C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40	40 50/1					GRAVELLY SAND with SILT: fine- to coarse-grained, brown, saturated, well-graded, rounded gravel to 1"
45	36 50/5.5	0			SW	
50					SM	
55	14 15 18	0				SILTY SAND: fine- to medium-grained, reddish brown, wet to saturated, moderately graded
						@58': Driller notes firmer drilling
60	15 20 35				SP	SAND, coarse-grained, reddish brown, saturated, poorly graded, grains rounded to subrounded, trace silt
	12 18 35	0				@63': becoming finer grained
65						Total Depth = 64.5', 11-18-2004, 1000
70						
75						
80						



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BORING LOG MW20A

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Date Drilled:	: 11/17/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 21.5'
First GW Depth:	: 15.0'

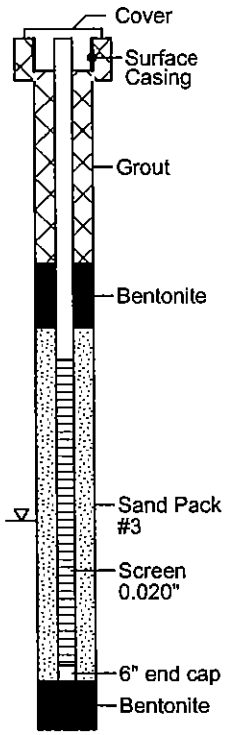
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: during drilling: 15.0'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" Asphalt Hand-cleared to 4 feet below ground surface
5	4 8 12	0	■		CL	SILTY CLAY: gray, moist to wet, low plasticity, organic inclusions
10	10 10 11	1.7	■		SW	SAND with SILT: fine-grained, dark gray, damp to moist, well graded
15	8 10 12	0	■		CL	SANDY CLAY with SILT: brownish-gray, wet to saturated, medium plasticity @ 15': with gravel to 1" diameter, organic matter (roots)
20	12 15 20	0	■		ML	CLAYEY SILT with SAND: gray, wet to saturated, low plasticity
25						
30						
35						
40						

Total Depth: 21.5' bgs, 11-17-04

Well: MW20A
Elev.:



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW20C

(Page 1 of 2)

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, R.G. 5019
Signature:	:

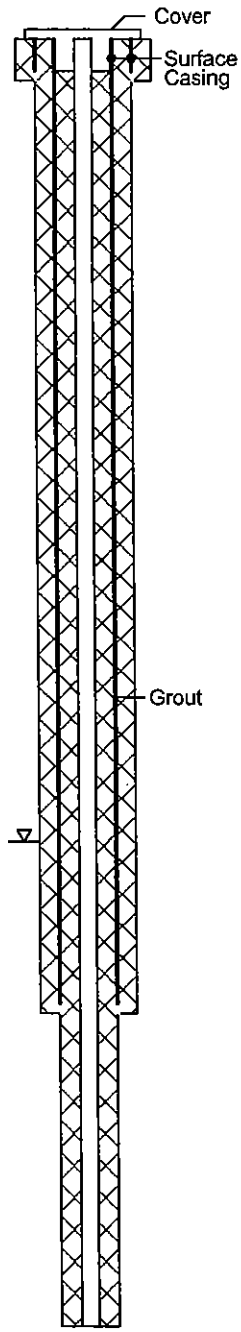
Date Drilled:	: 11/16/04 & 11/18/05
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.0'
First GW Depth:	: 25.0'

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling: 25'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" asphalt Hand-cleared to 4 feet below ground surface
5	15 15 15	0	■		ML	SANDY SILT: gray, moist, low plasticity
10	7 9 9	1.7	▩ ■			@10': Increasing sand
15	4 7 10	0.6	▩ ■		CL	SANDY CLAY: gray, moist, low to medium plasticity
20		0	■			
25	11 11 15	0	■		SP	SAND with GRAVEL: medium- to coarse-grained, gray, saturated, poorly graded, gravel to 1" diameter
30	10 16 50/5	0	■			@ 32' to 35': gravelly
35						
40					CL	

Well: MW20C
Elev.:



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ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW20C

Date Drilled:	: 11/16/04 & 11/18/05
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 64.0'
First GW Depth:	: 25.0'

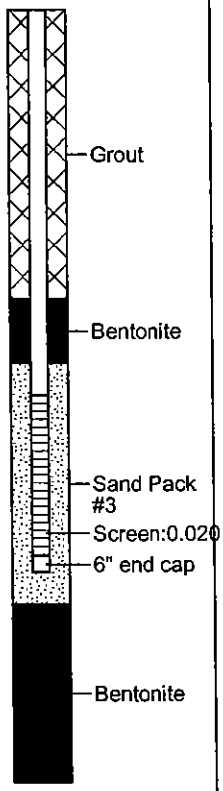
Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling: 25'

Well: MW20C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40	12 15 18	0			CL	SILTY CLAY with SAND: brownish-gray, mottled with reddish-brown, wet, low to medium plasiticity
45					SP	
50	25 50/5.5	0				SAND with SILT: medium-grained, brown, saturated, moderately graded @53': with gravel
					SP	SAND: medium- to coarse-grained, gray, saturated, poorly graded
55	50/5.5	0			SM	SILTY SAND with GRAVEL, medium- to coarse-grained, gray, saturated, well-graded, angular to sub-rounded gravel to 1" diameter @58': with increasing gravel
60	50/5.5	0				
	10 22 35	0			CL	SILTY CLAY with SAND: gray, wet, medium plasticity
65						Total Depth = 64.0', 11/18/05, 1500
70						
75						
80						



08-12-2005 F:\2101\Boring Logs\210103.MW20C.bor

BORING LOG MW21A

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

Date Drilled:	: 11/17/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 21.5'
First GW Depth:	: 15.0'

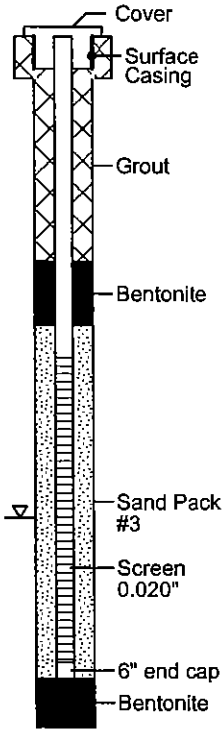
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling:15.0'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" asphalt Hand-cleared to 4 feet below ground surface
5	9 10 12	0.0			CL	SILTY CLAY: brownish gray, moist, low plasticity
10	10 15 19	0.0			SM	SILTY SAND with CLAY: fine-grained, gray, moist, poorly graded
15	15 15 15	2.5			SP	SAND with GRAVEL and SILT: coarse-grained, gray, saturated
20		1.1			ML	CLAYEY SILT: gray, wet to saturated, low plasticity

Total Depth: 21.5' bgs, 11-17-04

Well: MW21A
Elev.:



08-12-2005 F:\2101\Boring Logs\210103.MW21A.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW21B

Date Drilled:	: 11/17/04 & 11/19/05
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 33.5'
First GW Depth:	: 20.0'

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

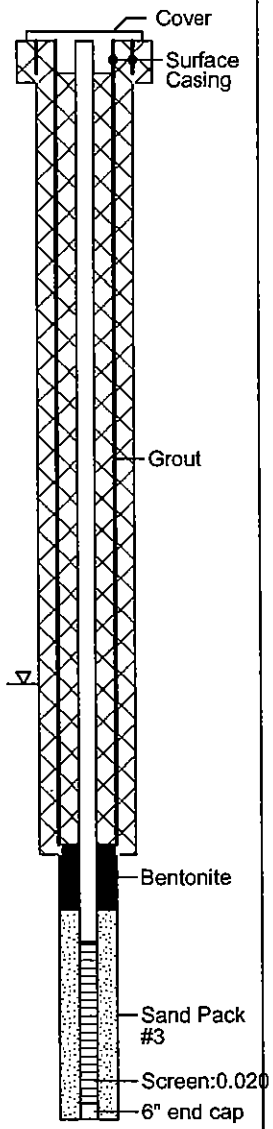
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During drilling: 20.0'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" of Asphalt Hand-cleared to 4 feet below ground surface
5	13 20 20	0	■		CL	SILTY CLAY: brown, moist, low plasticity
10	10 10 11	0	■		SC	CLAYEY SAND: fine-grained, greenish gray, moist, poorly graded
15	7 9 14	0	■		CL	SILTY CLAY: gray, moist, medium plasticity
					SP	SAND with SILT: medium- to coarse-grained, gray, wet, poorly graded
20	7 12 14	0	■		CL	SILTY CLAY: gray, saturated, medium plasticity
					SP	SAND: medium- to coarse-grained, gray, saturated, poorly graded
25		0	■		SC	CLAYEY SILTY SAND: fine-grained, reddish-brown, wet, well-graded
	20 20 20	0	▨		SP	GRAVELLY SAND with SILT: coarse-grained, gray, wet to saturated, subrounded gravel to 0.5" diameter
	50/5.5	0	■		SC	CLAYEY SAND, medium-grained, gray, wet, well graded
30	50/5	0	■		SW	GRAVELLY CLAYEY SAND with SILT: medium- to coarse-grained, brown, wet
35						
40						

Total Depth = 33.5', 11/19/04, 1245

Well: MW21B
Elev.:



08-12-2005 F:\2101\Boring Logs\210103.MW21B.bor

BORING LOG MW21C

(Page 1 of 2)

ENVIRONMENTAL RESOLUTIONS, INC.

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

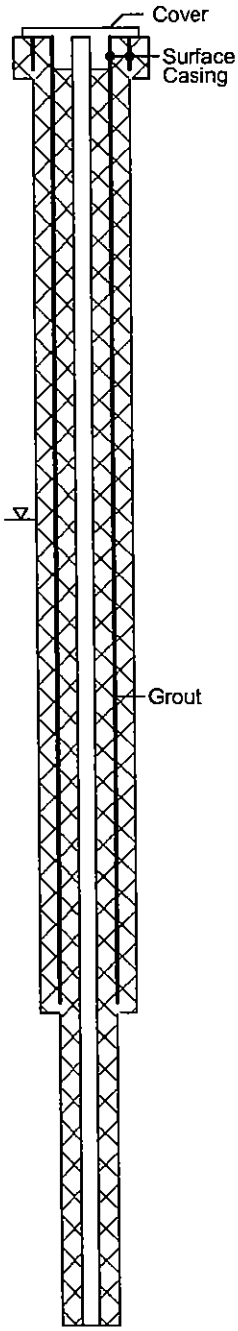
Date Drilled:	: 11/16/04 & 11/19/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 52.5'
First GW Depth:	: 15.0'

Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: 15.0'

Well: MW21C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" of asphalt Hand-cleared to 4 feet below ground surface
5	14 15 15	0	■		CL	SANDY CLAY with SILT: brownish gray, damp, low plasticity
10	9 14 14	0	▩		SC	CLAYEY SAND with SILT: fine-grained, mottled brown with gray, moist, poorly graded
					CL	SANDY CLAY: gray, wet, low plasticity
15	5 8 9	0.6	▩		SP	SAND with CLAY: medium-grained, gray, wet, poorly graded
20	12 14 15	0	■		SC	CLAYEY SAND: fine-grained, gray, wet, poorly graded
25	15 18 20	0	■		SP	SAND with CLAY and SILT: medium-grained, greenish gray, saturated, poorly graded
30		0	■		SP	SAND with GRAVEL: coarse-grained, reddish-brown, saturated, gravel to 1" diameter
35						
40					SC	



08-12-2005 F:\2101\Boring Logs\210103.MW21C.bor

ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW21C

Date Drilled:	: 11/16/04 & 11/19/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 52.5'
First GW Depth:	: 15.0'

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

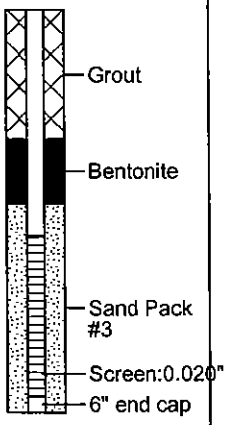
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: 15.0'

Well: MW21C
Elev.:

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
40	14 16 16				SC	CLAYEY SAND with SILT: fine-grained, mottled brown and gray, wet to saturated, moderately well graded
45	23 50/5	0			SW	SAND: fine- to coarse-grained, brown, saturated, moderately well graded
	16 33 50/2	0			SW	GRAVELLY SAND: coarse-grained, brown, saturated, moderately well graded @47.5': Increasing rounded to subrounded gravel to 1" diameter, @50': gravel increasingly coarse, grains to 2", rounded to subrounded.
50	50/5	0				
55						
60						
65						
70						
75						
80						

Total Depth = 52.5', 11/19/04, 1055



ENVIRONMENTAL RESOLUTIONS, INC.

BORING LOG MW22

Date Drilled:	: 11/19/04
Drilling Co.:	: Woodward Drilling Co.
Drilling Method:	: Hollow-stem Auger
Sampling Method:	: Split spoon
Borehole Diameter:	: 8" - 15"
Casing Diameter:	: 2"
Location N-S	:
Location E-W	:
Total Depth:	: 21.5'
First GW Depth:	: 11.0'

Project No.:	: 2101
Site:	: 1101 Yulupa Avenue, Santa Rosa, CA
Logged By:	: Daniel A. Parsons
Reviewed By:	: Geoffrey V. Waterhouse, P.G. 5019
Signature:	:

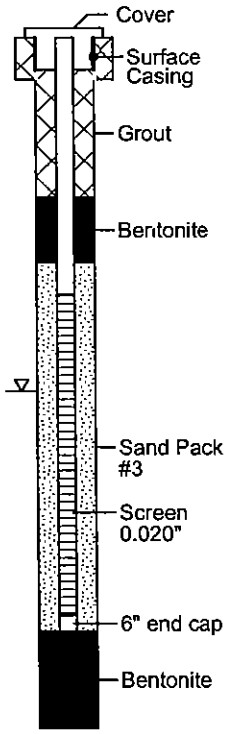
Sample Condition: No Recovery; Sampled Interval; Described Sample; Preserved Sample

Water Levels: During Drilling: 11.0'

Depth (ft)	Blow Count	OVM/PID (ppmv)	Sample	Column	USCS	DESCRIPTION
0						6" asphalt Hand-cleared to 4 feet below ground surface
5	10 12 12	0			CL	CLAY with SILT: brownish gray, moist, low plasticity
10	4 4 4	0			SM	SILTY SAND: fine-grained, gray, damp, moderately graded
15	8 9 11	0				@15': increasing silt
20	8 12 12	0			SW	SAND with GRAVEL: coarse-grained, gray, saturated, well graded, gravel to 1" diameter
25						
30						
35						
40						

Total Depth: 21.5' bgs, 11/19/04, 0835

Well: MW22
Elev.:



08-12-2005 F:\2101\Boring Logs\210103.MW22.bor

ATTACHMENT F

LABORATORY ANALYICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

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BY:

7/29/04

CASE NARRATIVE

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 2101-03X.
Laboratory Project Number: 383238.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
W-30-CPT3	04-A112212	7/15/04
W-48-CPT3	04-A112213	7/15/04
W-59-CPT3	04-A112214	7/15/04
W-81-CPT3	04-A112215	7/15/04
W-18-CPT4	04-A112216	7/16/04
W-29-CPT4	04-A112217	7/16/04
W-55-CPT4	04-A112218	7/16/04
W-77-CPT4	04-A112219	7/16/04
W-26-CPT1	04-A112220	7/16/04
W-40-CPT1	04-A112221	7/16/04
W-64-CPT1	04-A112222	7/16/04

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____ Report Date: 7/29/04

Johnny A. Mitchell, Operations Manager
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112212
Sample ID: W-30-CPT3
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/15/04
Time Collected: 13:45
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/24/04	23:39	F.Gundi	8015B	1821
TPH (Diesel Range)	ND	ug/l	56.	1.0	7/26/04	19:51	M.Jarrett	8015B/3510	5667
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	5:26	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
Ethylbenzene	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
Xylenes (Total)	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	5:26	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	5:26	C. Spry	8260B	5291

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112212
Sample ID: W-30-CPT3
Project: 2101-03X
Page 2

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	900. ml	1.00 ml	7/26/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	117.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	100.	62. - 136.
VOA Surr 1,2-DCA-d4	101.	71. - 128.
VOA Surr Toluene-d8	93.	77. - 119.
VOA Surr, 4-BFB	106.	79. - 123.
VOA Surr, DBFM	92.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112213
Sample ID: W-48-CPT3
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/15/04
Time Collected: 14:40
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/25/04	0:11	F.Gundi	8015B	1821
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	5:57	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
Ethylbenzene	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
Xylenes (Total)	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	5:57	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	5:57	C. Spry	8260B	5291

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	101.	62. - 136.
VOA Surr 1,2-DCA-d4	98.	71. - 128.
VOA Surr Toluene-d8	91.	77. - 119.
VOA Surr, 4-BFB	104.	79. - 123.
VOA Surr, DBFM	92.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112213
Sample ID: W-48-CPT3
Project: 2101-03X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112214
Sample ID: W-59-CPT3
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/15/04
Time Collected: 16:00
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/25/04	0:42	F.Gundi	8015B	1821
TPH (Diesel Range)	ND	ug/l	56.	1.0	7/26/04	20:11	M.Jarrett	8015B/3510	5667
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	6:29	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
Ethylbenzene	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
Xylenes (Total)	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
Methyl-t-butyl ether	0.90	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	6:29	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	6:29	C. Spry	8260B	5291

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112214
Sample ID: W-59-CPT3
Project: 2101-03X
Page 2

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	900. ml	1.00 ml	7/26/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	103.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	100.	62. - 136.
VOA Surr 1,2-DCA-d4	98.	71. - 128.
VOA Surr Toluene-d8	92.	77. - 119.
VOA Surr, 4-BFB	104.	79. - 123.
VOA Surr, DBFM	91.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112215
Sample ID: W-81-CPT3
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/15/04
Time Collected: 17:10
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/25/04	1:14	F.Gundi	8015B	1821
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	7:01	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
Ethylbenzene	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
Xylenes (Total)	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	7:01	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	7:01	C. Spry	8260B	5291

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	100.	62. - 136.
VOA Surr 1,2-DCA-d4	101.	71. - 128.
VOA Surr Toluene-d8	91.	77. - 119.
VOA Surr, 4-BFB	106.	79. - 123.
VOA Surr, DBFM	93.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112215
Sample ID: W-81-CPT3
Project: 2101-03X
Page 2

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112216
Sample ID: W-18-CPT4
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/16/04
Time Collected: 8:10
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	128.	ug/l	50.0	1.0	7/24/04	17:08	F.Gundi	8015B	1825
TPH (Diesel Range)	880.	ug/l	500.	1.0	7/26/04	20:31	M.Jarrett	8015B/3510	5667
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/27/04	18:01	C. Spry	8260B	8198
Benzene	1.20	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
Ethylbenzene	1.40	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
Toluene	ND	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
Xylenes (Total)	1.80	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
Methyl-t-butyl ether	39.6	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198
Ethanol	ND	ug/L	50.0	1.0	7/27/04	18:01	C. Spry	8260B	8198
Diisopropyl ether	ND	ug/l	0.50	1.0	7/27/04	18:01	C. Spry	8260B	8198

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112216
Sample ID: W-18-CPT4
Project: 2101-03X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	100. ml	1.00 ml	7/26/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	101.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	78.	62. - 136.
VOA Surr 1,2-DCA-d4	97.	71. - 128.
VOA Surr Toluene-d8	94.	77. - 119.
VOA Surr, 4-BFB	96.	79. - 123.
VOA Surr, DBFM	100.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112217
Sample ID: W-29-CPT4
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/16/04
Time Collected: 9:10
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/24/04	17:40	F.Gundi	8015B	1825
TPH (Diesel Range)	ND	ug/l	71.	1.0	7/26/04	20:51	M.Jarrett	8015B/3510	5667
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	7:33	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
1,2-Dichloroethane	0.90	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
Ethylbenzene	ND	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
Xylenes (Total)	ND	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
Methyl-t-butyl ether	21.6	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	7:33	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	7:33	C. Spry	8260B	5291

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112217
Sample ID: W-29-CPT4
Project: 2101-03X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	700. ml	1.00 ml	7/26/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	99.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	77.	62. - 136.
VOA Surr 1,2-DCA-d4	104.	71. - 128.
VOA Surr Toluene-d8	92.	77. - 119.
VOA Surr, 4-BFB	104.	79. - 123.
VOA Surr, DBFM	90.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112218
Sample ID: W-55-CPT4
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/16/04
Time Collected: 10:10
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/24/04	18:11	F.Gundi	8015B	1825
TPH (Diesel Range)	ND	ug/l	56.	1.0	7/26/04	21:11	M.Jarrett	8015B/3510	5667
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/27/04	18:34	C. Spry	8260B	8198
Benzene	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
Ethylbenzene	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
Toluene	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
Xylenes (Total)	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
Methyl-t-butyl ether	0.90	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198
Ethanol	ND	ug/L	50.0	1.0	7/27/04	18:34	C. Spry	8260B	8198
Diisopropyl ether	ND	ug/l	0.50	1.0	7/27/04	18:34	C. Spry	8260B	8198

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112218
Sample ID: W-55-CPT4
Project: 2101-03X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	900. ml	1.00 ml	7/26/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	104.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	77.	62. - 136.
VOA Surr 1,2-DCA-d4	96.	71. - 128.
VOA Surr Toluene-d8	94.	77. - 119.
VOA Surr, 4-BFB	100.	79. - 123.
VOA Surr, DBFM	95.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112219
Sample ID: W-77-CPT4
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/16/04
Time Collected: 11:20
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/24/04	18:42	F.Gundi	8015B	1825
TPH (Diesel Range)	ND	ug/l	56.	1.0	7/26/04	21:31	M.Jarrett	8015B/3510	5667
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	8:04	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
Ethylbenzene	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
Xylenes (Total)	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
Methyl-t-butyl ether	0.80	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	8:04	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	8:04	C. Spry	8260B	5291

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112219
Sample ID: W-77-CPT4
Project: 2101-03X
Page 2

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	900. ml	1.00 ml	7/26/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	103.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	78.	62. - 136.
VOA Surr 1,2-DCA-d4	102.	71. - 128.
VOA Surr Toluene-d8	93.	77. - 119.
VOA Surr, 4-BFB	105.	79. - 123.
VOA Surr, DBFM	90.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112220
Sample ID: W-26-CPT1
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/16/04
Time Collected: 13:50
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	415.	ug/l	50.0	1.0	7/24/04	19:13	F.Gundi	8015B	1825
TPH (Diesel Range)	ND	ug/l	100.	1.0	7/24/04	23:10	U. Burroug	8015B/3510	4560
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
Tertiary butyl alcohol	66.6	ug/l	10.0	1.0	7/25/04	8:36	C. Spry	8260B	5291
Benzene	1.00	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
Ethylbenzene	0.70	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
Toluene	1.00	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
Xylenes (Total)	6.10	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
Methyl-t-butyl ether	109.	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	8:36	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	8:36	C. Spry	8260B	5291

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112220
Sample ID: W-26-CPT1
Project: 2101-03X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	7/23/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	72.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	87.	62. - 136.
VOA Surr 1,2-DCA-d4	101.	71. - 128.
VOA Surr Toluene-d8	92.	77. - 119.
VOA Surr, 4-BFB	105.	79. - 123.
VOA Surr, DBFM	88.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A112221
Sample ID: W-40-CPT1
Sample Type: Water
Site ID: 7-0277

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Date Collected: 7/16/04
Time Collected: 14:50
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	113.	ug/l	50.0	1.0	7/24/04	19:44	F.Gundi	8015B	1825
TPH (Diesel Range)	ND	ug/l	200.	1.0	7/24/04	23:26	U. Burroug	8015B/3510	4560
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	9:40	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
Ethylbenzene	6.50	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
Xylenes (Total)	23.8	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
Methyl-t-butyl ether	3.90	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	9:40	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	9:40	C. Spry	8260B	5291

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112221
Sample ID: W-40-CPT1
Project: 2101-03X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	500. ml	1.00 ml	7/23/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	71.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	80.	62. - 136.
VOA Surr 1,2-DCA-d4	100.	71. - 128.
VOA Surr Toluene-d8	92.	77. - 119.
VOA Surr, 4-BFB	103.	79. - 123.
VOA Surr, DBFM	90.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A112222
Sample ID: W-64-CPT1
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/16/04
Time Collected: 15:50
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	224.	ug/l	50.0	1.0	7/24/04	20:16	F.Gundi	8015B	1825
TPH (Diesel Range)	ND	ug/l	222.	1.0	7/24/04	23:42	U. Burroug	8015B/3510	4560
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/25/04	9:08	C. Spry	8260B	5291
Benzene	ND	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
Ethylbenzene	12.7	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
Toluene	ND	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
Xylenes (Total)	43.2	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
Methyl-t-butyl ether	0.80	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291
Ethanol	ND	ug/L	50.0	1.0	7/25/04	9:08	C. Spry	8260B	5291
Diisopropyl ether	ND	ug/l	0.50	1.0	7/25/04	9:08	C. Spry	8260B	5291

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112222
Sample ID: W-64-CPT1
Project: 2101-03X
Page 2

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	450. ml	1.00 ml	7/23/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	72.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	81.	62. - 136.
VOA Surr 1,2-DCA-d4	99.	71. - 128.
VOA Surr Toluene-d8	93.	77. - 119.
VOA Surr, 4-BFB	103.	79. - 123.
VOA Surr, DBFM	88.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 1
Laboratory Receipt Date: 7/21/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/l	< 0.0500	0.877	1.00	88	70. - 157.	1821	04-A112152
TPH (Gasoline Range)	mg/l	< 0.0500	0.631	1.00	63#	70. - 157.	1825	04-A112219
TPH (Diesel Range)	mg/l	< 0.100	0.770	1.00	77	10. - 143.	4560	blank
TPH (Diesel Range)	mg/l	< 0.050	0.890	1.00	89	10. - 143.	5667	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				107	62 - 136	1821	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				94	62 - 136	1825	
VOA PARAMETERS								
Benzene	mg/l	< 0.00005	0.0508	0.0500	102	68 - 138	5291	blank
Benzene	mg/l	< 0.00050	0.0522	0.0500	104	68 - 138	8198	114333
Toluene	mg/l	< 0.00011	0.0487	0.0500	97	66 - 143	5291	blank
Toluene	mg/l	< 0.00050	0.0502	0.0500	100	66 - 143	8198	114333
VOA Surr 1,2-DCA-d4	% Rec				98	71 - 128	5291	
VOA Surr 1,2-DCA-d4	% Rec				94	71 - 128	8198	
VOA Surr Toluene-d8	% Rec				94	77 - 119	5291	
VOA Surr Toluene-d8	% Rec				96	77 - 119	8198	
VOA Surr, 4-BFB	% Rec				107	79 - 123	5291	
VOA Surr, 4-BFB	% Rec				95	79 - 123	8198	
VOA Surr, DBFM	% Rec				90	78 - 124	5291	
VOA Surr, DBFM	% Rec				98	78 - 124	8198	

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 2
Laboratory Receipt Date: 7/21/04

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	0.877	0.995	12.61	24.	1821
TPH (Gasoline Range)	mg/l	0.631	0.778	20.87	24.	1825
TPH (Diesel Range)	mg/l	0.770	0.769	0.13	57.	4560
TPH (Diesel Range)	mg/l	0.890	0.909	2.11	57.	5667
BTEX/GRO Surr., a,a,a-TFT	% Recovery		103.			1821
BTEX/GRO Surr., a,a,a-TFT	% Recovery		94.			1825
VOA PARAMETERS						
Benzene	mg/l	0.0508	0.0520	2.33	17.	5291
Benzene	mg/l	0.0522	0.0513	1.74	17.	8198
Toluene	mg/l	0.0487	0.0502	3.03	18.	5291
Toluene	mg/l	0.0502	0.0498	0.80	18.	8198
VOA Surr 1,2-DCA-d4	% Rec		97.			5291
VOA Surr 1,2-DCA-d4	% Rec		88.			8198
VOA Surr Toluene-d8	% Rec		94.			5291
VOA Surr Toluene-d8	% Rec		96.			8198
VOA Surr, 4-BFB	% Rec		107.			5291
VOA Surr, 4-BFB	% Rec		94.			8198
VOA Surr, DBFM	% Rec		91.			5291
VOA Surr, DBFM	% Rec		93.			8198

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 3
Laboratory Receipt Date: 7/21/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	1.00	0.946	95	72 - 122	1821
TPH (Gasoline Range)	mg/l	1.00	0.837	84	72 - 122	1825
BTEX/GRO Surr., a,a,a-TFT	% Recovery			112	62 - 136	1821
BTEX/GRO Surr., a,a,a-TFT	% Recovery			97	62 - 136	1825
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.807	81	10 - 143	4560
TPH (Diesel Range)	mg/l	1.00	0.813	81	10 - 143	5667
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0632	126	72 - 127	5291
Ethyl-t-butylether	mg/l	0.0500	0.0523	105	72 - 127	8198
tert-amyl methyl ether	mg/L	0.0500	0.0588	118	61 - 129	5291
tert-amyl methyl ether	mg/L	0.0500	0.0470	94	61 - 129	8198
Tertiary butyl alcohol	mg/l	0.500	0.576	115	39 - 156	5291
Tertiary butyl alcohol	mg/l	0.500	0.474	95	39 - 156	8198
Benzene	mg/l	0.0500	0.0545	109	79 - 122	5291
Benzene	mg/l	0.0500	0.0473	95	79 - 122	8198
1,2-Dibromoethane	mg/l	0.0500	0.0586	117	78 - 133	5291
1,2-Dibromoethane	mg/l	0.0500	0.0506	101	78 - 133	8198
1,2-Dichloroethane	mg/l	0.0500	0.0583	117	72 - 133	5291
1,2-Dichloroethane	mg/l	0.0500	0.0442	88	72 - 133	8198
Ethylbenzene	mg/l	0.0500	0.0554	111	77 - 127	5291
Ethylbenzene	mg/l	0.0500	0.0477	95	77 - 127	8198
Toluene	mg/l	0.0500	0.0518	104	77 - 126	5291
Toluene	mg/l	0.0500	0.0464	93	77 - 126	8198
Xylenes (Total)	mg/l	0.150	0.166	111	80 - 126	5291
Xylenes (Total)	mg/l	0.150	0.146	97	80 - 126	8198
Methyl-t-butyl ether	mg/l	0.0500	0.0589	118	70 - 130	5291
Methyl-t-butyl ether	mg/l	0.0500	0.0484	97	70 - 130	8198
Ethanol	mg/L	5.00	6.05	121	40 - 165	5291
Ethanol	mg/L	5.00	5.31	106	40 - 165	8198

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 4
Laboratory Receipt Date: 7/21/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Diisopropyl ether	mg/l	0.0500	0.0566	113	73 - 127	5291
Diisopropyl ether	mg/l	0.0500	0.0572	114	73 - 127	8198
VOA Surr 1,2-DCA-d4	% Rec			100	71 - 128	5291
VOA Surr 1,2-DCA-d4	% Rec			80	71 - 128	8198
VOA Surr Toluene-d8	% Rec			93	77 - 119	5291
VOA Surr Toluene-d8	% Rec			97	77 - 119	8198
VOA Surr, 4-BFB	% Rec			105	79 - 123	5291
VOA Surr, 4-BFB	% Rec			92	79 - 123	8198
VOA Surr, DBFM	% Rec			90	78 - 124	5291
VOA Surr, DBFM	% Rec			88	78 - 124	8198

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TPH (Gasoline Range)	< 0.0500	mg/l	1821	7/24/04	14:37
TPH (Gasoline Range)	< 0.0500	mg/l	1825	7/24/04	16:37
TPH (Diesel Range)	< 0.100	mg/l	4560	7/24/04	22:06
TPH (Diesel Range)	< 0.050	mg/l	5667	7/26/04	14:52

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 5
Laboratory Receipt Date: 7/21/04

TPH Hi Surr., o-Terphenyl	70.	% Recovery	4560	7/24/04	22:06
BTEX/GRO Surr., a,a,a-TFT	100.	% Recovery	1821	7/24/04	14:37
BTEX/GRO Surr., a,a,a-TFT	78.	% Recovery	1825	7/24/04	16:37
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00015	mg/l	5291	7/25/04	4:54
Ethyl-t-butylether	< 0.00015	mg/l	8198	7/27/04	13:00
tert-amyl methyl ether	< 0.00030	mg/L	5291	7/25/04	4:54
tert-amyl methyl ether	< 0.00030	mg/L	8198	7/27/04	13:00
Tertiary butyl alcohol	< 0.00224	mg/l	5291	7/25/04	4:54
Tertiary butyl alcohol	< 0.00224	mg/l	8198	7/27/04	13:00
Benzene	< 0.00005	mg/l	5291	7/25/04	4:54
Benzene	< 0.00005	mg/l	8198	7/27/04	13:00
1,2-Dibromoethane	< 0.00010	mg/l	5291	7/25/04	4:54
1,2-Dibromoethane	< 0.00010	mg/l	8198	7/27/04	13:00
1,2-Dichloroethane	< 0.00021	mg/l	5291	7/25/04	4:54
1,2-Dichloroethane	< 0.00021	mg/l	8198	7/27/04	13:00
Ethylbenzene	< 0.00012	mg/l	5291	7/25/04	4:54
Ethylbenzene	< 0.00012	mg/l	8198	7/27/04	13:00
Toluene	< 0.00011	mg/l	5291	7/25/04	4:54
Toluene	< 0.00011	mg/l	8198	7/27/04	13:00
Xylenes (Total)	< 0.00034	mg/l	5291	7/25/04	4:54
Xylenes (Total)	< 0.00034	mg/l	8198	7/27/04	13:00
Methyl-t-butyl ether	< 0.00013	mg/l	5291	7/25/04	4:54
Methyl-t-butyl ether	< 0.00013	mg/l	8198	7/27/04	13:00
Ethanol	< 0.0142	mg/L	5291	7/25/04	4:54
Ethanol	< 0.0142	mg/L	8198	7/27/04	13:00
Diisopropyl ether	< 0.00010	mg/l	5291	7/25/04	4:54
Diisopropyl ether	< 0.00010	mg/l	8198	7/27/04	13:00
VOA Surr 1,2-DCA-d4	100.	% Rec	5291	7/25/04	4:54
VOA Surr 1,2-DCA-d4	91.	% Rec	8198	7/27/04	13:00
VOA Surr Toluene-d8	93.	% Rec	5291	7/25/04	4:54
VOA Surr Toluene-d8	93.	% Rec	8198	7/27/04	13:00
VOA Surr, 4-BFB	108.	% Rec	5291	7/25/04	4:54
VOA Surr, 4-BFB	96.	% Rec	8198	7/27/04	13:00
VOA Surr, DBFM	93.	% Rec	5291	7/25/04	4:54
VOA Surr, DBFM	98.	% Rec	8198	7/27/04	13:00

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 6
Laboratory Receipt Date: 7/21/04

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 383238

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** 383238

Client Name : GRI

Cooler Received/Opened On: 7-21-04 **Accessioned By:** Marvin Blumhoefer

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 6.0 Degrees Celsius 8:10
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where: None
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA Liters for 81
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA Bottles for 64 and 62
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    8007 8018

    Fed-Ex UPS Velocity Airborne Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

MWS
81

CHAIN OF CUSTODY RECORD 2 coolers - 1 COC

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Cr
Nashville, TN 3

383238

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager James Chappell
Telephone Number: (415) 382-4323
ERI Job Number: 2101-03X
Sampler Name: (Print) Jennifer Clark
Sampler Signature: J Clark

ExxonMobil Engineer Gene Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4504239069
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
Oxygenates - MTBE, TBA, DIPE, TAME, ETBE
Lead Scavengers - 1,2-DCA and EDB

Sample ID / Description		DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8021B	confirm mtbe 8260B	Oxygenates 8260B	Ethanol 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	Lead Scvngr 8260
W-30-CPT3	1122	7/15/2004	1345		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-48-CPT3	13	7/15/2004	1440		X	HCL	6	X				X	X			X	X				X
W-59-CPT3	14	7/15/2004	1600		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-81-CPT3	15	7/15/2004	1710		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-18-CPT4	16	7/16/2004	810		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-29-CPT4	17	7/16/2004	910		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-55-CPT4	18	7/16/2004	1010		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-77-CPT4	19	7/16/2004	1120		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-26-CPT1	20	7/16/2004	1350		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-40-CPT1	21	7/16/2004	1450		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-64-CPT1	1122 22	7/16/2004	1550		X	HCL / ICE	6/2	X			X	X	X			X	X				X

Relinquished by: J Clark Date 7/20/04 Time 1300 Received by: [signature] 7-21-04 Time 8:20

Relinquished by: Date Time Received by TestAmerica: Time

Laboratory Comments:
Temperature Upon Receipt: 6.0
Sample Containers Intact?
VOAs Free of Headspace?

TestAmerica INCORPORATED

Sample NonConformance/COC Revision Form

Initiated by:	Mblumhoefer	**Phone:**	415-382-9105	NC Closed	☐
Client Name:	ERI - NORTHERN	**Sample Range:**	112212-22	Date Closed	
Client Contact:	GENE ORTEGA	**SDG:**	383238		
Client Account:	3876	**Analyst:**	223		
Date Created:	7/21/2004	**Supervisor:**	Paul Buckingham		
NC #:	112222	**NC Type:**	NC Analytical 1		
Project Name:	7-0277	**Terminal Manager:**	GENE N. ORTEGA		
Project Number:	383238				
Project Origin	CA				
Regulatory :					

Process: Samples missing that are listed on the COC

Action: Client Notified

Corrected By: leah klingensmith

Closed: ☑ Lklingensmith

Comments:

Comment added by: Lklingensmith on 7/23/2004 8:08:47 AM
From: Leah Klingensmith
Sent: Thursday, July 22, 2004 1:26 PM
To: 'Jim F. Chappell'
Subject: RE: 7-0277
The cooler was gone through by a couple of people and the litres have not been accounted for.
——Original Message——
From: Jim F. Chappell [mailto:jchappell@ERI-US.com]
Sent: Wednesday, July 21, 2004 4:58 PM
To: Leah Klingensmith
Cc: Jennifer Clark
Subject: RE: 7-0277
Leah,
They were collected.
They should have been included in one of the coolers.
They are not in our office.
The person that shipped the samples counted 20 liters when shipped.
Can you double-check to make sure that they are not in sample receiving?
James Chappell
Program Manager
(707) 766-2090 Direct
(707) 789-0414 Fax
(415) 798-0071 Mobile
jchappell@eri-us.com
Environmental Resolutions, Inc.
601 North McDowell Blvd
Petaluma, California, 94954
www.eri-us.com
From: Leah Klingensmith [mailto:LKlingensmith@testamericainc.com]
Sent: Wednesday, July 21, 2004 2:39 PM
To: Jim F. Chappell
Subject: 7-0277
Hi Jim,
The lab received the samples for the above site that were collected on the 15th and 16th. The litre containers for W-81-CPT3 were not in the cooler. Were they collected and sent?

****
W-81-CPT3 WAS MISSING THE LITERS.

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RECEIVED
AUG 21 2004
BY:_____

8/12/04

CASE NARRATIVE

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 210103X.
Laboratory Project Number: 383224.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
W-14-15-CPT2	04-A112101	7/19/04
W-48-52-CPT2	04-A112102	7/19/04

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Roxanne L Connor

Report Date: 8/12/04
Revised Report Date

Johnny A. Mitchell, Operations Manager
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: D. PARSONS

Lab Number: 04-A112101
Sample ID: W-14-15-CPT2
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/19/04
Time Collected: 10:40
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	356.	ug/l	50.0	1.0	7/24/04	17:17	F.Gundi	8015B	1821
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
Tertiary butyl alcohol	28.0	ug/l	10.0	1.0	7/23/04	16:53	S. Edwards	8260B	4202
Benzene	7.20	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
Ethylbenzene	ND	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
Toluene	0.80	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
Xylenes (Total)	0.70	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
Ethanol	ND	ug/L	50.0	1.0	7/23/04	16:53	S. Edwards	524.2	4202
Methyl-t-butyl ether	119.	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202
Diisopropyl ether	ND	ug/l	0.50	1.0	7/23/04	16:53	S. Edwards	8260B	4202

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	92.	62. - 136.
VOA Surr 1,2-DCA-d4	102.	71. - 128.
VOA Surr Toluene-d8	101.	77. - 119.
VOA Surr, 4-BFB	109.	79. - 123.
VOA Surr, DBFM	101.	78. - 124.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112101
Sample ID: W-14-15-CPT2
Project: 210103X

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JIM CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: D. PARSONS

Lab Number: 04-A112102
Sample ID: W-48-52-CPT2
Sample Type: Water
Site ID: 7-0277

Date Collected: 7/19/04
Time Collected: 14:30
Date Received: 7/21/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	7/24/04	17:49	F.Gundi	8015B	1821
TPH (Diesel Range)	ND	ug/l	71.	1.0	7/26/04	16:12	M.Jarrett	8015B/3510	5667
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
tert-amyl methyl ether	ND	ug/L	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	7/24/04	15:09	S. Edwards	8260B	4586
Benzene	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
1,2-Dibromoethane	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
1,2-Dichloroethane	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
Ethylbenzene	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
Toluene	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
Xylenes (Total)	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
Ethanol	ND	ug/L	50.0	1.0	7/24/04	15:09	S. Edwards	524.2	4586
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586
Diisopropyl ether	ND	ug/l	0.50	1.0	7/24/04	15:09	S. Edwards	8260B	4586

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A112102
Sample ID: W-48-52-CPT2
Project: 210103X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	700. ml	1.00 ml	7/26/04		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	102.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	100.	62. - 136.
VOA Surr 1,2-DCA-d4	107.	71. - 128.
VOA Surr Toluene-d8	95.	77. - 119.
VOA Surr, 4-BFB	107.	79. - 123.
VOA Surr, DBFM	102.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 1
Laboratory Receipt Date: 7/21/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/l	< 0.0500	0.877	1.00	88	70. - 157.	1821	04-A112152
TPH (Diesel Range)	mg/l	< 0.050	0.890	1.00	89	10. - 143.	5667	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				107	62 - 136	1821	
VOA PARAMETERS								
Benzene	mg/l	0.0200	0.0660	0.0500	92	68 - 138	4202	04-A112078
Benzene	mg/l	< 0.00050	0.0477	0.0500	95	68 - 138	4586	111689
Toluene	mg/l	0.00050	0.0451	0.0500	89	66 - 143	4202	04-A112078
Toluene	mg/l	< 0.00050	0.0474	0.0500	95	66 - 143	4586	111689
VOA Surr 1,2-DCA-d4	% Rec				101	71 - 128	4202	
VOA Surr 1,2-DCA-d4	% Rec				104	71 - 128	4586	
VOA Surr Toluene-d8	% Rec				101	77 - 119	4202	
VOA Surr Toluene-d8	% Rec				100	77 - 119	4586	
VOA Surr, 4-BFB	% Rec				104	79 - 123	4202	
VOA Surr, 4-BFB	% Rec				105	79 - 123	4586	
VOA Surr, DBFM	% Rec				101	78 - 124	4202	
VOA Surr, DBFM	% Rec				102	78 - 124	4586	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	0.877	0.995	12.61	24.	1821

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 2
Laboratory Receipt Date: 7/21/04

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
TPH (Diesel Range)	mg/l	0.890	0.909	2.11	57.	5667
BTEX/GRO Surr., a,a,a-TFT	% Recovery		103.			1821
VOA PARAMETERS						
Benzene	mg/l	0.0660	0.0636	3.70	17.	4202
Benzene	mg/l	0.0477	0.0478	0.21	17.	4586
Toluene	mg/l	0.0451	0.0444	1.56	18.	4202
Toluene	mg/l	0.0474	0.0476	0.42	18.	4586
VOA Surr 1,2-DCA-d4	% Rec		97.			4202
VOA Surr 1,2-DCA-d4	% Rec		101.			4586
VOA Surr Toluene-d8	% Rec		101.			4202
VOA Surr Toluene-d8	% Rec		100.			4586
VOA Surr, 4-BFB	% Rec		106.			4202
VOA Surr, 4-BFB	% Rec		106.			4586
VOA Surr, DBFM	% Rec		100.			4202
VOA Surr, DBFM	% Rec		101.			4586

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	1.00	0.946	95	72 - 122	1821
BTEX/GRO Surr., a,a,a-TFT	% Recovery			112	62 - 136	1821

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 3
Laboratory Receipt Date: 7/21/04

UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.813	81	10 - 143	5667
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0504	101	72 - 127	4202
Ethyl-t-butylether	mg/l	0.0500	0.0470	94	72 - 127	4586
tert-amyl methyl ether	mg/L	0.0500	0.0499	100	61 - 129	4202
tert-amyl methyl ether	mg/L	0.0500	0.0467	93	61 - 129	4586
Tertiary butyl alcohol	mg/l	0.500	0.612	122	39 - 156	4202
Tertiary butyl alcohol	mg/l	0.500	0.605	121	39 - 156	4586
Benzene	mg/l	0.0500	0.0497	99	79 - 122	4202
Benzene	mg/l	0.0500	0.0449	90	79 - 122	4586
1,2-Dibromoethane	mg/l	0.0500	0.0531	106	78 - 133	4202
1,2-Dibromoethane	mg/l	0.0500	0.0500	100	78 - 133	4586
1,2-Dichloroethane	mg/l	0.0500	0.0487	97	72 - 133	4202
1,2-Dichloroethane	mg/l	0.0500	0.0454	91	72 - 133	4586
Ethylbenzene	mg/l	0.0500	0.0507	101	77 - 127	4202
Ethylbenzene	mg/l	0.0500	0.0463	93	77 - 127	4586
Toluene	mg/l	0.0500	0.0481	96	77 - 126	4202
Toluene	mg/l	0.0500	0.0439	88	77 - 126	4586
Xylenes (Total)	mg/l	0.150	0.155	103	80 - 126	4202
Xylenes (Total)	mg/l	0.150	0.143	95	80 - 126	4586
Methyl-t-butyl ether	mg/l	0.0500	0.0522	104	70 - 130	4202
Methyl-t-butyl ether	mg/l	0.0500	0.0484	97	70 - 130	4586
Diisopropyl ether	mg/l	0.0500	0.0522	104	73 - 127	4202
Diisopropyl ether	mg/l	0.0500	0.0483	97	73 - 127	4586
VOA Surr 1,2-DCA-d4	% Rec			98	71 - 128	4202
VOA Surr 1,2-DCA-d4	% Rec			99	71 - 128	4586
VOA Surr Toluene-d8	% Rec			97	77 - 119	4202
VOA Surr Toluene-d8	% Rec			99	77 - 119	4586
VOA Surr, 4-BFB	% Rec			102	79 - 123	4202
VOA Surr, 4-BFB	% Rec			104	79 - 123	4586
VOA Surr, DBFM	% Rec			100	78 - 124	4202
VOA Surr, DBFM	% Rec			99	78 - 124	4586

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 4
Laboratory Receipt Date: 7/21/04

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TPH (Gasoline Range)	< 0.0500	mg/l	1821	7/24/04	14:37
TPH (Diesel Range)	< 0.050	mg/l	5667	7/26/04	14:52
BTEX/GRO Surr., a,a,a-TFT	100.	% Recovery	1821	7/24/04	14:37
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00015	mg/l	4202	7/23/04	9:04
Ethyl-t-butylether	< 0.00015	mg/l	4586	7/24/04	10:12
tert-amyl methyl ether	< 0.00030	mg/L	4202	7/23/04	9:04
tert-amyl methyl ether	< 0.00030	mg/L	4586	7/24/04	10:12
Tertiary butyl alcohol	< 0.00224	mg/l	4202	7/23/04	9:04
Tertiary butyl alcohol	< 0.00224	mg/l	4586	7/24/04	10:12
Benzene	< 0.00005	mg/l	4202	7/23/04	9:04
Benzene	< 0.00005	mg/l	4586	7/24/04	10:12
1,2-Dibromoethane	< 0.00010	mg/l	4202	7/23/04	9:04
1,2-Dibromoethane	< 0.00010	mg/l	4586	7/24/04	10:12
1,2-Dichloroethane	< 0.00021	mg/l	4202	7/23/04	9:04
1,2-Dichloroethane	< 0.00021	mg/l	4586	7/24/04	10:12
Ethylbenzene	< 0.00012	mg/l	4202	7/23/04	9:04
Ethylbenzene	< 0.00012	mg/l	4586	7/24/04	10:12
Toluene	< 0.00011	mg/l	4202	7/23/04	9:04

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 5
Laboratory Receipt Date: 7/21/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Toluene	< 0.00011	mg/l	4586	7/24/04	10:12
Xylenes (Total)	< 0.00034	mg/l	4202	7/23/04	9:04
Xylenes (Total)	< 0.00034	mg/l	4586	7/24/04	10:12
Methyl-t-butyl ether	< 0.00013	mg/l	4202	7/23/04	9:04
Methyl-t-butyl ether	< 0.00013	mg/l	4586	7/24/04	10:12
Diisopropyl ether	< 0.00010	mg/l	4202	7/23/04	9:04
Diisopropyl ether	< 0.00010	mg/l	4586	7/24/04	10:12
VOA Surr 1,2-DCA-d4	102.	% Rec	4202	7/23/04	9:04
VOA Surr 1,2-DCA-d4	102.	% Rec	4586	7/24/04	10:12
VOA Surr Toluene-d8	101.	% Rec	4202	7/23/04	9:04
VOA Surr Toluene-d8	101.	% Rec	4586	7/24/04	10:12
VOA Surr, 4-BFB	106.	% Rec	4202	7/23/04	9:04
VOA Surr, 4-BFB	106.	% Rec	4586	7/24/04	10:12
VOA Surr, DBFM	101.	% Rec	4202	7/23/04	9:04
VOA Surr, DBFM	100.	% Rec	4586	7/24/04	10:12

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 383224

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

COOLER RECEIPT FORM **BC#** 383224

Client Name : GRJ

Cooler Received/Opened On: 7-21-04 **Accessioned By:** Marvin Blumhoefer

Log-in Personnel Signature

8:10

1. Temperature of Cooler when triaged: 2.1 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where: 1 side
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

7960

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED
(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

383224

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: ~~73 Digital Drive, Suite 100~~ 1001 N. McDowell Blvd.
City/State/Zip: ~~Novato, California 94949~~ Petaluma 94954
Project Manager: Jim Chappell
Telephone Number: (707) 766-2000
ERI Job Number: 210103X
Sampler Name: (Print) D. PARSONS (~~J. WATERHOUSE~~)
Sampler Signature:

ExxonMobil Engineer: GENE ORTEGA
Telephone Number: (925) 246-8747
Account #: 3876
PO #: 4504239069
Facility ID #: 7-0277
Global ID#: T0600700537
Site Address: 1101 YULUPA AVE
City, State Zip: SANTA ROSA, CA 95405

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report, FAX Results

Special Instructions: Oxygenates - MTBE, TBA, TAME, DIPE, ETBE
Lead Scavengers - 1,2-DCA, EDB

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8260B	confirm mtbe 8260B	Oxygenates 8260	HVOCs 8010	TBA 8260B	Lead 6010	HOLD	Lead Scavengers 8260B
W-14-15-CPT2 1121101	7/19/04	1040		X	HCl/ICE	6	X			X	X	X			X					X
W-48-52-CPT2 1121102	7/19/04	1430		X	HCl/ICE	6/2	X			X	X	X			X					X

Relinquished by: J Clark Date: 7/20/04 Time: 1300 Received by: [signature] Time: 7-21-4 8:00

Relinquished by: Date: Time: Received by TestAmerica: Time:

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

8260B

TestAmerica INCORPORATED

External Nonconformance / Customer Inquiry

Initiated by:	Lklingensmith	**Phone:**	415-382-9105	NC Closed	☑
Client Name:	ERI - NORTHERN	**Sample Range:**	112101-2	Date Closed	8/12/2004
Client Contact:	Daniel Parsons	**SDG:**	383224		
Client Account:	3876	**Analyst:**	224		
Date Created:	8/6/2004	**Supervisor:**	Mark Hollingsworth		

Process: Add Compounds (not requested on COC)

Action: New Analysis added per Client Request

Corrected By: Pam Langford

Closed: ☑ Plangford

Comments:

Comment added by: Lklingensmith on 8/12/2004 2:07:03 PM
Revised report sent 8-12-04.

****

Comment added by: Plangford on 8/12/2004 1:56:37 PM
ETOH has been added and reports are ready to reprint.

****

Comment added by: Plangford on 8/12/2004 1:56:29 PM
Process Closed without Comment

****

If possible, please, add EtOH to samples 112101-2. ERI(3876)
From: Daniel Parsons [mailto:dparsons@ERI-US.com]
Sent: Thursday, August 05, 2004 4:31 PM
To: Leah Klingensmith
Subject: RE: lab data
Leah,
Thanks. Do what you can, but run them out of hold if need be.
I appreciate your help,
Daniel A. Parsons, Staff Geologist
Environmental Resolutions, Inc.
707-766-2016
From: Leah Klingensmith [mailto:LKlingensmith@testamericainc.com]
Sent: Thursday, August 05, 2004 1:28 PM
To: Daniel Parsons
Subject: RE: lab data
Hi Daniel,
Here are the COC's and Cooler Check lists. For 383224, it may be possible, to pull EtOH results from the existing data. If quantifiable data can not be reported the samples can be run for EtOH, but, they go out of hold tonight and would not be run on time. I will put through to technical to see if the results can be added, but if not, would you want them run out of hold?
Thanks!
---Original Message---
From: Daniel Parsons [mailto:dparsons@ERI-US.com]
Sent: Thursday, August 05, 2004 4:09 PM
To: Leah Klingensmith
Subject: lab data
Dear Leah,
I'm hoping that you can e-mail me copies of the Sample Receipt Checklists and COCs for two labs: Laboratory Project Numbers 383238 and 383224.

Also, for Laboratory Project Number 383224, would it be possible to run analyses for ethanol, using EPA Method 8260B for the two samples included in that lab? If so please run them.

TestAmerica
ANALYTICAL TESTING CORPORATION

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800-765-0980 • 615-726-3404 Fax

RECEIVED
AUG 27 2004
BY:

8/19/04

CASE NARRATIVE

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 2101-03X.
Laboratory Project Number: 385959.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
W-14-DP5	04-A125375	8/11/04
W-30-DP5	04-A125376	8/11/04

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: Gail A Lage Report Date: 8/19/04

Johnny A. Mitchell, Operations Manager
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A125375
Sample ID: W-14-DP5
Sample Type: Water
Site ID: 7-0277

Date Collected: 8/11/04
Time Collected: 10:20
Date Received: 8/13/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	8/17/04	9:46	H. Wagner	8015B	5941
TPH (Diesel Range)	59.	ug/l	50.	1.0	8/16/04	19:17	M.Jarrett	8015B/3510	3616
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
tert-amyl methyl ether	ND	ug/L	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	8/16/04	3:07	C. Spry	8260B	4379
Benzene	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
1,2-Dibromoethane	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
1,2-Dichloroethane	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
Ethylbenzene	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
Toluene	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
Xylenes (Total)	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379
Ethanol	ND	ug/L	50.0	1.0	8/16/04	3:07	C. Spry	8260B	4379
Diisopropyl ether	ND	ug/l	0.50	1.0	8/16/04	3:07	C. Spry	8260B	4379

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A125375
Sample ID: W-14-DP5
Project: 2101-03X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	8/14/04		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	75.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	90.	62. - 136.
VOA Surr 1,2-DCA-d4	103.	71. - 128.
VOA Surr Toluene-d8	95.	77. - 119.
VOA Surr, 4-BFB	99.	79. - 123.
VOA Surr, DBFM	99.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 2101-03X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER CLARK

Lab Number: 04-A125376
Sample ID: W-30-DP5
Sample Type: Water
Site ID: 7-0277

Date Collected: 8/11/04
Time Collected: 12:15
Date Received: 8/13/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
TPH (Gasoline Range)	ND	ug/l	50.0	1.0	8/17/04	10:17	H. Wagner	8015B	5941
TPH (Diesel Range)	62.	ug/l	50.	1.0	8/16/04	19:33	M.Jarrett	8015B/3510	3616
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
tert-amyl methyl ether	ND	ug/L	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
Tertiary butyl alcohol	ND	ug/l	10.0	1.0	8/16/04	3:39	C. Spry	8260B	4379
Benzene	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
1,2-Dibromoethane	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
1,2-Dichloroethane	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
Ethylbenzene	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
Toluene	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
Xylenes (Total)	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
Methyl-t-butyl ether	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379
Ethanol	ND	ug/L	50.0	1.0	8/16/04	3:39	C. Spry	8260B	4379
Diisopropyl ether	ND	ug/l	0.50	1.0	8/16/04	3:39	C. Spry	8260B	4379

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A125376
Sample ID: W-30-DP5
Project: 2101-03X

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	8/14/04		M. Ricke	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	80.	50. - 141.
BTEX/GRO Surr., a,a,a-TFT	89.	62. - 136.
VOA Surr 1,2-DCA-d4	107.	71. - 128.
VOA Surr Toluene-d8	95.	77. - 119.
VOA Surr, 4-BFB	99.	79. - 123.
VOA Surr, DBFM	100.	78. - 124.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 1
Laboratory Receipt Date: 8/13/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/l	< 0.0500	0.860	1.00	86	70. - 157.	5941	125793
TPH (Diesel Range)	mg/l	< 0.050	0.683	1.00	68	10. - 143.	3616	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				96	62 - 136	5941	
VOA PARAMETERS								
Benzene	mg/l	< 0.00005	0.0434	0.0500	87	68 - 138	4379	BLANK
Toluene	mg/l	< 0.00011	0.0469	0.0500	94	66 - 143	4379	BLANK
VOA Surr 1,2-DCA-d4	% Rec				98	71 - 128	4379	
VOA Surr Toluene-d8	% Rec				98	77 - 119	4379	
VOA Surr, 4-BFB	% Rec				95	79 - 123	4379	
VOA Surr, DBFM	% Rec				96	78 - 124	4379	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	0.860	0.907	5.32	24.	5941
TPH (Diesel Range)	mg/l	0.683	0.739	7.88	57.	3616
BTEX/GRO Surr., a,a,a-TFT	% Recovery		96.			5941

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 2
Laboratory Receipt Date: 8/13/04

VOA PARAMETERS						
Benzene	mg/l	0.0434	0.0436	0.46	17.	4379
Toluene	mg/l	0.0469	0.0468	0.21	18.	4379
VOA Surr 1,2-DCA-d4	% Rec		99.			4379
VOA Surr Toluene-d8	% Rec		98.			4379
VOA Surr, 4-BFB	% Rec		96.			4379
VOA Surr, DBFM	% Rec		95.			4379

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	1.00	0.917	92	72 - 122	5941
BTEX/GRO Surr., a,a,a-TFT	% Recovery			98	62 - 136	5941
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.704	70	10 - 143	3616
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0378	76	72 - 127	4379
tert-amyl methyl ether	mg/L	0.0500	0.0468	94	61 - 129	4379
Tertiary butyl alcohol	mg/l	0.500	0.447	89	39 - 156	4379
Benzene	mg/l	0.0500	0.0424	85	79 - 122	4379
1,2-Dibromoethane	mg/l	0.0500	0.0469	94	78 - 133	4379
1,2-Dichloroethane	mg/l	0.0500	0.0460	92	72 - 133	4379
Ethylbenzene	mg/l	0.0500	0.0437	87	77 - 127	4379
Toluene	mg/l	0.0500	0.0456	91	77 - 126	4379
Xylenes (Total)	mg/l	0.150	0.130	87	80 - 126	4379
Methyl-t-butyl ether	mg/l	0.0500	0.0469	94	70 - 130	4379
Ethanol	mg/L	5.00	4.84	97	40 - 165	4379
Diisopropyl ether	mg/l	0.0500	0.0457	91	73 - 127	4379

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 3
Laboratory Receipt Date: 8/13/04

VOA Surr 1,2-DCA-d4	% Rec	98	71 - 128	4379
VOA Surr Toluene-d8	% Rec	97	77 - 119	4379
VOA Surr, 4-BFB	% Rec	97	79 - 123	4379
VOA Surr, DBFM	% Rec	96	78 - 124	4379

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TPH (Gasoline Range)	< 0.0500	mg/l	5941	8/16/04	15:39
TPH (Diesel Range)	< 0.050	mg/l	3616	8/16/04	13:43
BTEX/GRO Surr., a,a,a-TFT	95.	% Recovery	5941	8/16/04	15:39
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00015	mg/l	4379	8/16/04	2:00
tert-amyl methyl ether	< 0.00030	mg/L	4379	8/16/04	2:00
Tertiary butyl alcohol	< 0.00224	mg/l	4379	8/16/04	2:00
Benzene	< 0.00005	mg/l	4379	8/16/04	2:00
1,2-Dibromoethane	< 0.00010	mg/l	4379	8/16/04	2:00
1,2-Dichloroethane	< 0.00021	mg/l	4379	8/16/04	2:00
Ethylbenzene	< 0.00012	mg/l	4379	8/16/04	2:00
Toluene	< 0.00011	mg/l	4379	8/16/04	2:00
Xylenes (Total)	0.00030	mg/l	4379	8/16/04	2:00
Methyl-t-butyl ether	< 0.00013	mg/l	4379	8/16/04	2:00
Ethanol	< 0.0142	mg/L	4379	8/16/04	2:00

Project QC continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: 2101-03X
Project Name: EXXONMOBIL 7-0277
Page: 4
Laboratory Receipt Date: 8/13/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Diisopropyl ether	< 0.00010	mg/l	4379	8/16/04	2:00
VOA Surr 1,2-DCA-d4	101.	% Rec	4379	8/16/04	2:00
VOA Surr Toluene-d8	96.	% Rec	4379	8/16/04	2:00
VOA Surr, 4-BFB	99.	% Rec	4379	8/16/04	2:00
VOA Surr, DBFM	94.	% Rec	4379	8/16/04	2:00

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 385959

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** 385959

Client Name : ERI

Cooler Received/Opened On: 8/13/04 **Accessioned By:** Mike McBride

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.0 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...(NO)...NA
   a. If yes, how many, what kind and where:_____
3. Were custody seals on containers and intact?..... (NO).YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES....NO...(NA)
5. Were custody papers inside cooler?..... (YES)...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA
7. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA
8. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Other None
9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... (YES).NO...NA
12. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA
13. Were correct containers used for the analysis requested?..... (YES).NO...NA
14. a. Were VOA vials received?..... (YES)...NO...NA
    b. Was there any observable head space present in any VOA vial?..... (NO).YES...NA
15. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA
16. Were correct preservatives used?..... (YES).NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...(NA)
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

8100						
(Fed-Ex)	UPS	Velocity	Airborne	Route	Off-street	Misc.

19. If a Non-Conformance exists, see attached or comments below:

385959

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Boulevard
City/State/Zip: Petaluma, California 94954
Project Manager James Chappell
Telephone Number: (707) 766-2000
ERI Job Number: 2101-03X
Sampler Name: (Print) Jennifer Clark
Sampler Signature: J Clark

ExxonMobil Engineer Gene Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4504239069
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report

Special Instructions:
Oxygenates - MTBE, TBA, DIPE, TAME, ETBE
Lead Scavengers - 1,2-DCA and EDB

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8021B	confirm mtbe 8260B	Oxygenates 8260B	Ethanol 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	Lead Scvngr 8260
W-14-DP5	8/11/04 ~~7/15/2004~~	1020 ~~1345~~		X	HCL / ICE	6/2	X			X	X	X			X	X				X
W-30-DP5	8/11/04 ~~7/15/2004~~	1215 ~~1440~~		X	HCL	6/2	X			X	X	X			X	X				X

Relinquished by:	Date	Time	Received by:	Time
Jennifer Clark	8/12/2004	1300		
Relinquished by:	Date	Time	Received by TestAmerica:	Time

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

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DEC 01 2004

11/29/04

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 210103X.
Laboratory Project Number: 397453.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
S-10-MW5C	04-A182199	11/15/04
S-20-MW5C	04-A182200	11/15/04
S-10-MW20C	04-A182201	11/16/04
S-15-MW20C	04-A182202	11/16/04
S-15-MW21C	04-A182203	11/16/04
S-20-MW21C	04-A182204	11/16/04

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Gail A Lage

Report Date: 11/29/04

Johnny A. Mitchell, Lab Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A182199
Sample ID: S-10-MW5C
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/15/04
Time Collected: 12:05
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	73.8	%		1.0	11/24/04	13:43	B.Plett	CLP	7232
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	3940	mg/kg	3010	500.	11/26/04	22:19	J. Redmond	8015B	1747
**TPH (Diesel Range)	81.3	mg/kg	10.0	1.0	11/25/04	15:20	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.206	100.	11/24/04	19:07	J. Bundy	8260B	1577
**Methyl-t-amyl ether	ND	mg/Kg	0.206	100.	11/24/04	19:07	J. Bundy	8260B	1577
**Tertiary butyl alcohol	ND	mg/kg	5.16	100.	11/24/04	19:07	J. Bundy	8260B	1577
**Benzene	0.413	mg/kg	0.206	100.	11/24/04	19:07	J. Bundy	8260B	1577
**1,2-Dibromoethane	ND	mg/kg	0.206	100.	11/24/04	19:07	J. Bundy	8260B	1577
**1,2-Dichloroethane	ND	mg/kg	0.206	100.	11/24/04	19:07	J. Bundy	8260B	1577
**Ethylbenzene	71.6	mg/kg	2.06	1000	11/24/04	19:37	J. Bundy	8260B	1579
**Toluene	0.722	mg/kg	0.206	100.	11/24/04	19:07	J. Bundy	8260B	1577
**Xylenes (Total)	229.	mg/kg	2.06	1000	11/24/04	19:37	J. Bundy	8260B	1579
**Methyl-t-butyl ether	ND	mg/kg	0.206	100.	11/24/04	19:07	J. Bundy	8260B	1577
**Diisopropyl ether	ND	mg/kg	0.206	100.	11/24/04	19:07	J. Bundy	8260/SA05-77	1577

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	9.69 g	10.0 ml	11/15/04	12:05	J. Bundy	5035
BTX Prep	8.31 g	10.0 ml	11/15/04	12:05	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A182199
Sample ID: S-10-MW5C
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	71.	63. - 127.
TPH Hi Surr., o-Terphenyl	87.	35. - 135.
VOA Surr, 1,2-DCAd4	95.	72. - 134.
VOA Surr Toluene-d8	111.	76. - 122.
VOA Surr, 4-BFB	108.	60. - 138.
VOA Surr, DBFM	93.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.
VOA8260 PQL's elevated due to sample matrix.
Analysis at a lower dilution did not meet method QC requirements.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A182200
Sample ID: S-20-MW5C
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/15/04
Time Collected: 12:15
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	71.7	%		1.0	11/24/04	13:43	B.Plett	CLP	7232
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	6.00	1.0	11/25/04	7:28	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	11/25/04	15:36	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Methyl-t-amyl ether	ND	mg/Kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Tertiary butyl alcohol	ND	mg/kg	2.44	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Benzene	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**1,2-Dibromoethane	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**1,2-Dichloroethane	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Ethylbenzene	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Toluene	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Xylenes (Total)	0.156	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Methyl-t-butyl ether	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260B	1577
**Diisopropyl ether	ND	mg/kg	0.0975	50.0	11/24/04	20:08	J. Bundy	8260/SA05-77	1577

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	5.13 g	5.0 ml	11/15/04	12:15	J. Bundy	5035
BTX Prep	8.34 g	10.0 ml	11/15/04	12:15	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A182200
Sample ID: S-20-MW5C
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	88.	63. - 127.
TPH Hi Surr., o-Terphenyl	106.	35. - 135.
VOA Surr, 1,2-DCAd4	78.	72. - 134.
VOA Surr Toluene-d8	99.	76. - 122.
VOA Surr, 4-BFB	100.	60. - 138.
VOA Surr, DBFM	79.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.
VOA8260 PQL's elevated due to sample matrix.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A182201
Sample ID: S-10-MW20C
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/16/04
Time Collected: 8:40
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	70.0	%		1.0	11/24/04	13:43	B.Plett	CLP	7232
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	7.05	1.0	11/25/04	7:55	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	9.96	1.0	11/24/04	19:29	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0014	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Methyl-t-amyl ether	ND	mg/Kg	0.0014	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Tertiary butyl alcohol	ND	mg/kg	0.0341	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Benzene	ND	mg/kg	0.0014	1.0	11/24/04	4:59	J. Adams	8260B	2591
**1,2-Dibromoethane	ND	mg/kg	0.00136	1.0	11/24/04	4:59	J. Adams	8260B	2591
**1,2-Dichloroethane	ND	mg/kg	0.0014	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Ethylbenzene	ND	mg/kg	0.0068	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Toluene	ND	mg/kg	0.0014	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Xylenes (Total)	ND	mg/kg	0.0170	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Methyl-t-butyl ether	ND	mg/kg	0.0014	1.0	11/24/04	4:59	J. Adams	8260B	2591
**Diisopropyl ether	ND	mg/kg	0.0014	1.0	11/24/04	4:59	J. Adams	8260/SA05-77	2591

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.1 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	7.34 g	5.0 ml	11/16/04	8:40	J. Bundy	5035
BTX Prep	7.09 g	10.0 ml	11/16/04	8:40	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A182201
Sample ID: S-10-MW20C
Project: 210103X
Page 2

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	126.	63. - 127.
TPH Hi Surr., o-Terphenyl	99.	35. - 135.
VOA Surr, 1,2-DCAd4	109.	72. - 134.
VOA Surr Toluene-d8	108.	76. - 122.
VOA Surr, 4-BFB	113.	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.
PQL's for Xylene and Ethylbenzene elevated due to contamination from previous sample. Sample volume insufficient to repeat without dilution.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A182202
Sample ID: S-15-MW20C
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/16/04
Time Collected: 8:50
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	67.4	%		1.0	11/24/04	13:43	B.Plett	CLP	7232
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.34	1.0	11/25/04	8:22	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	11/24/04	19:45	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0015	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Methyl-t-amyl ether	ND	mg/Kg	0.0015	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Tertiary butyl alcohol	ND	mg/kg	0.0369	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Benzene	ND	mg/kg	0.0015	1.0	11/24/04	5:30	J. Adams	8260B	2591
**1,2-Dibromoethane	ND	mg/kg	0.00147	1.0	11/24/04	5:30	J. Adams	8260B	2591
**1,2-Dichloroethane	ND	mg/kg	0.0015	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Ethylbenzene	ND	mg/kg	0.0037	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Toluene	ND	mg/kg	0.0015	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Xylenes (Total)	ND	mg/kg	0.0074	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Methyl-t-butyl ether	ND	mg/kg	0.0015	1.0	11/24/04	5:30	J. Adams	8260B	2591
**Diisopropyl ether	ND	mg/kg	0.0015	1.0	11/24/04	5:30	J. Adams	8260/SA05-77	2591

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	6.78 g	5.0 ml	11/16/04	8:50	J. Bundy	5035
BTX Prep	9.36 g	10.0 ml	11/16/04	8:50	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A182202
Sample ID: S-15-MW20C
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	98.	63. - 127.
TPH Hi Surr., o-Terphenyl	105.	35. - 135.
VOA Surr, 1,2-DCAd4	107.	72. - 134.
VOA Surr Toluene-d8	110.	76. - 122.
VOA Surr, 4-BFB	116.	60. - 138.
VOA Surr, DBFM	100.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.
PQL's for Xylene and Ethylbenzene elevated due to contamination from previous sample. Sample volume insufficient to repeat without dilution.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A182203
Sample ID: S-15-MW21C
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/16/04
Time Collected: 13:15
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	72.3	%		1.0	11/24/04	13:43	B.Plett	CLP	7232
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.48	1.0	11/25/04	8:49	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	11/24/04	20:01	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**Methyl-t-amyl ether	ND	mg/Kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**Tertiary butyl alcohol	ND	mg/kg	0.0280	1.0	11/24/04	6:00	J. Adams	8260B	299
**Benzene	0.0043	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**1,2-Dibromoethane	ND	mg/kg	0.00112	1.0	11/24/04	6:00	J. Adams	8260B	299
**1,2-Dichloroethane	ND	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**Ethylbenzene	0.0045	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**Toluene	0.0024	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**Xylenes (Total)	0.0131	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**Methyl-t-butyl ether	0.0131	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260B	299
**Diisopropyl ether	ND	mg/kg	0.0011	1.0	11/24/04	6:00	J. Adams	8260/SA05-77	299

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	8.92 g	5.0 ml	11/16/04	13:15	Fitzwater	5035
BTX Prep	9.13 g	10.0 ml	11/16/04	13:15	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A182203
Sample ID: S-15-MW21C
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	116.	63. - 127.
TPH Hi Surr., o-Terphenyl	102.	35. - 135.
VOA Surr, 1,2-DCAd4	103.	72. - 134.
VOA Surr Toluene-d8	119.	76. - 122.
VOA Surr, 4-BFB	130.	60. - 138.
VOA Surr, DBFM	100.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A182204
Sample ID: S-20-MW21C
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/16/04
Time Collected: 13:20
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	70.7	%		1.0	11/24/04	13:43	B.Plett	CLP	7232
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.68	1.0	11/25/04	9:16	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	11/24/04	20:17	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Methyl-t-amyl ether	ND	mg/Kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Tertiary butyl alcohol	ND	mg/kg	0.0325	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Benzene	ND	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**1,2-Dibromoethane	ND	mg/kg	0.00130	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**1,2-Dichloroethane	ND	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Ethylbenzene	ND	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Toluene	ND	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Xylenes (Total)	ND	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Methyl-t-butyl ether	0.0037	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260B	1577
**Diisopropyl ether	ND	mg/kg	0.0013	1.0	11/24/04	20:39	J. Bundy	8260/SA05-77	1577

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	7.69 g	5.0 ml	11/16/04	13:20	J. Bundy	5035
BTX Prep	8.80 g	10.0 ml	11/16/04	13:20	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A182204
Sample ID: S-20-MW21C
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	112.	63. - 127.
TPH Hi Surr., o-Terphenyl	99.	35. - 135.
VOA Surr, 1,2-DCAd4	109.	72. - 134.
VOA Surr Toluene-d8	107.	76. - 122.
VOA Surr, 4-BFB	103.	60. - 138.
VOA Surr, DBFM	101.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

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PROJECT QUALITY CONTROL DATA
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Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/kg	< 4.96	6.28	10.0	63	52. - 150.	762	04-A181179
TPH (Gasoline Range)	mg/kg	< 0.52	9.60	10.0	96	52. - 150.	1747	blank
TPH (Diesel Range)	mg/kg	2.59	32.3	40.0	74	28. - 143.	9861	04-A181174
VOA PARAMETERS								
Benzene	mg/kg	< 0.0008	0.0478	0.0500	96	53 - 136	299	blank
Benzene	mg/kg	< 0.0020	0.0337	0.0500	67	53 - 136	1577	04-A181916
Benzene	mg/kg	< 0.0008	0.0478	0.0500	96	53 - 136	2591	blank
Toluene	mg/kg	< 0.0005	0.0571	0.0500	114	43 - 139	299	blank
Toluene	mg/kg	< 0.0020	0.0334	0.0500	67	43 - 139	1577	04-A181916
Toluene	mg/kg	< 0.0005	0.0571	0.0500	114	43 - 139	2591	blank
VOA Surr, 1,2-DCAd4	% Rec				88	72 - 134	299	
VOA Surr, 1,2-DCAd4	% Rec				106	72 - 134	1577	
VOA Surr, 1,2-DCAd4	% Rec				88	72 - 134	2591	
VOA Surr Toluene-d8	% Rec				108	76 - 122	299	
VOA Surr Toluene-d8	% Rec				102	76 - 122	1577	
VOA Surr Toluene-d8	% Rec				108	76 - 122	2591	
VOA Surr, 4-BFB	% Rec				103	60 - 138	299	
VOA Surr, 4-BFB	% Rec				103	60 - 138	1577	
VOA Surr, 4-BFB	% Rec				103	60 - 138	2591	
VOA Surr, DBFM	% Rec				95	75 - 137	299	
VOA Surr, DBFM	% Rec				96	75 - 137	1577	
VOA Surr, DBFM	% Rec				95	75 - 137	2591	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	6.28	5.60	11.45	39.	762
TPH (Gasoline Range)	mg/kg	9.60	10.2	6.06	39.	1747

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Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
TPH (Diesel Range)	mg/kg	32.3	33.6	3.95	51.	9861
VOA PARAMETERS						
Benzene	mg/kg	0.0478	0.0438	8.73	34.	299
Benzene	mg/kg	0.0337	0.0389	14.33	34.	1577
Benzene	mg/kg	0.0478	0.0438	8.73	34.	2591
Toluene	mg/kg	0.0571	0.0516	10.12	39.	299
Toluene	mg/kg	0.0334	0.0396	16.99	39.	1577
Toluene	mg/kg	0.0571	0.0516	10.12	39.	2591
VOA Surr, 1,2-DCAd4	% Rec		87.			299
VOA Surr, 1,2-DCAd4	% Rec		99.			1577
VOA Surr, 1,2-DCAd4	% Rec		87.			2591
VOA Surr Toluene-d8	% Rec		109.			299
VOA Surr Toluene-d8	% Rec		99.			1577
VOA Surr Toluene-d8	% Rec		109.			2591
VOA Surr, 4-BFB	% Rec		112.			299
VOA Surr, 4-BFB	% Rec		104.			1577
VOA Surr, 4-BFB	% Rec		112.			2591
VOA Surr, DBFM	% Rec		91.			299
VOA Surr, DBFM	% Rec		91.			1577
VOA Surr, DBFM	% Rec		91.			2591

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	10.0	9.30	93	74 - 127	762
TPH (Gasoline Range)	mg/kg	10.0	10.9	109	74 - 127	1747
TPH (Diesel Range)	mg/kg	40.0	32.4	81	54 - 126	9861
VOA PARAMETERS						
Ethyl-t-butylether	mg/kg	0.0500	0.0435	87	67 - 137	299
Ethyl-t-butylether	mg/kg	0.0500	0.0539	108	67 - 137	1577
Ethyl-t-butylether	mg/kg	0.0500	0.0435	87	67 - 137	2591
Methyl-t-amyl ether	mg/Kg	0.0500	0.0366	73	64 - 142	299
Methyl-t-amyl ether	mg/Kg	0.0500	0.0570	114	64 - 142	1577

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Methyl-t-amyl ether	mg/Kg	0.0500	0.0366	73	64 - 142	2591
Tertiary butyl alcohol	mg/kg	0.500	0.326	65	36 - 159	299
Tertiary butyl alcohol	mg/kg	0.500	0.531	106	36 - 159	1577
Tertiary butyl alcohol	mg/kg	0.500	0.326	65	36 - 159	2591
Benzene	mg/kg	0.0500	0.0407	81	76 - 124	299
Benzene	mg/kg	0.0500	0.0506	101	76 - 124	1577
Benzene	mg/kg	0.0500	0.0407	81	76 - 124	2591
1,2-Dibromoethane	mg/kg	0.0500	0.0391	78	59 - 146	299
1,2-Dibromoethane	mg/kg	0.0500	0.0540	108	59 - 146	1577
1,2-Dibromoethane	mg/kg	0.0500	0.0391	78	59 - 146	2591
1,2-Dichloroethane	mg/kg	0.0500	0.0395	79	71 - 129	299
1,2-Dichloroethane	mg/kg	0.0500	0.0517	103	71 - 129	1577
1,2-Dichloroethane	mg/kg	0.0500	0.0395	79	71 - 129	2591
Ethylbenzene	mg/kg	0.0500	0.0441	88	70 - 128	299
Ethylbenzene	mg/kg	0.0500	0.0486	97	70 - 128	1577
Ethylbenzene	mg/kg	0.0500	0.0486	97	70 - 128	1579
Ethylbenzene	mg/kg	0.0500	0.0441	88	70 - 128	2591
Toluene	mg/kg	0.0500	0.0482	96	72 - 125	299
Toluene	mg/kg	0.0500	0.0492	98	72 - 125	1577
Toluene	mg/kg	0.0500	0.0482	96	72 - 125	2591
Xylenes (Total)	mg/kg	0.150	0.136	91	71 - 129	299
Xylenes (Total)	mg/kg	0.150	0.144	96	71 - 129	1577
Xylenes (Total)	mg/kg	0.150	0.144	96	71 - 129	1579
Xylenes (Total)	mg/kg	0.150	0.136	91	71 - 129	2591
Methyl-t-butyl ether	mg/kg	0.0500	0.0400	80	67 - 138	299
Methyl-t-butyl ether	mg/kg	0.0500	0.0540	108	67 - 138	1577
Methyl-t-butyl ether	mg/kg	0.0500	0.0400	80	67 - 138	2591
Diisopropyl ether	mg/kg	0.0500	0.0443	89	70 - 131	299
Diisopropyl ether	mg/kg	0.0500	0.0515	103	70 - 131	1577
Diisopropyl ether	mg/kg	0.0500	0.0443	89	70 - 131	2591
VOA Surr, 1,2-DCAd4	% Rec			88	72 - 134	299
VOA Surr, 1,2-DCAd4	% Rec			105	72 - 134	1577
VOA Surr, 1,2-DCAd4	% Rec			105	72 - 134	1579
VOA Surr, 1,2-DCAd4	% Rec			88	72 - 134	2591
VOA Surr Toluene-d8	% Rec			107	76 - 122	299
VOA Surr Toluene-d8	% Rec			108	76 - 122	1577
VOA Surr Toluene-d8	% Rec			108	76 - 122	1579
VOA Surr Toluene-d8	% Rec			107	76 - 122	2591

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA Surr, 4-BFB	% Rec			109	60 - 138	299
VOA Surr, 4-BFB	% Rec			104	60 - 138	1577
VOA Surr, 4-BFB	% Rec			104	60 - 138	1579
VOA Surr, 4-BFB	% Rec			109	60 - 138	2591
VOA Surr, DBFM	% Rec			97	75 - 137	299
VOA Surr, DBFM	% Rec			101	75 - 137	1577
VOA Surr, DBFM	% Rec			101	75 - 137	1579
VOA Surr, DBFM	% Rec			97	75 - 137	2591

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TPH (Gasoline Range)	< 0.52	mg/kg	762	11/25/04	3:52
TPH (Gasoline Range)	< 0.52	mg/kg	1747	11/26/04	19:37
TPH (Diesel Range)	1.40	mg/kg	9861	11/25/04	12:42
UST surr-Trifluorotoluene	96.	% Recovery	762	11/25/04	3:52
UST surr-Trifluorotoluene	100.	% Recovery	1747	11/26/04	19:37
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0007	mg/kg	299	11/23/04	23:50
Ethyl-t-butylether	< 0.0007	mg/kg	2591	11/23/04	23:50
Ethyl-t-butylether	< 0.0007	mg/kg	1577	11/24/04	18:36
Methyl-t-amyl ether	< 0.0008	mg/Kg	299	11/23/04	23:50
Methyl-t-amyl ether	< 0.0008	mg/Kg	2591	11/23/04	23:50
Methyl-t-amyl ether	< 0.0008	mg/Kg	1577	11/24/04	18:36
Tertiary butyl alcohol	< 0.0114	mg/kg	299	11/23/04	23:50

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Tertiary butyl alcohol	< 0.0114	mg/kg	2591	11/23/04	23:50
Tertiary butyl alcohol	< 0.0114	mg/kg	1577	11/24/04	18:36
Benzene	< 0.0008	mg/kg	299	11/23/04	23:50
Benzene	< 0.0008	mg/kg	2591	11/23/04	23:50
Benzene	< 0.0008	mg/kg	1577	11/24/04	18:36
1,2-Dibromoethane	< 0.00080	mg/kg	299	11/23/04	23:50
1,2-Dibromoethane	< 0.00080	mg/kg	2591	11/23/04	23:50
1,2-Dibromoethane	< 0.00080	mg/kg	1577	11/24/04	18:36
1,2-Dichloroethane	< 0.0007	mg/kg	299	11/23/04	23:50
1,2-Dichloroethane	< 0.0007	mg/kg	2591	11/23/04	23:50
1,2-Dichloroethane	< 0.0007	mg/kg	1577	11/24/04	18:36
Ethylbenzene	< 0.0005	mg/kg	299	11/23/04	23:50
Ethylbenzene	< 0.0005	mg/kg	2591	11/23/04	23:50
Ethylbenzene	< 0.0005	mg/kg	1577	11/24/04	18:36
Ethylbenzene	< 0.0005	mg/kg	1579	11/24/04	18:36
Toluene	< 0.0005	mg/kg	299	11/23/04	23:50
Toluene	< 0.0005	mg/kg	2591	11/23/04	23:50
Toluene	< 0.0005	mg/kg	1577	11/24/04	18:36
Xylenes (Total)	< 0.0013	mg/kg	299	11/23/04	23:50
Xylenes (Total)	< 0.0013	mg/kg	2591	11/23/04	23:50
Xylenes (Total)	< 0.0013	mg/kg	1577	11/24/04	18:36
Xylenes (Total)	< 0.0013	mg/kg	1579	11/24/04	18:36
Methyl-t-butyl ether	< 0.0009	mg/kg	299	11/23/04	23:50
Methyl-t-butyl ether	< 0.0009	mg/kg	2591	11/23/04	23:50
Methyl-t-butyl ether	< 0.0009	mg/kg	1577	11/24/04	18:36
Diisopropyl ether	< 0.0008	mg/kg	299	11/23/04	23:50
Diisopropyl ether	< 0.0008	mg/kg	2591	11/23/04	23:50
Diisopropyl ether	< 0.0008	mg/kg	1577	11/24/04	18:36
VOA Surr, 1,2-DCAd4	102.	% Rec	299	11/23/04	23:50
VOA Surr, 1,2-DCAd4	102.	% Rec	2591	11/23/04	23:50
VOA Surr, 1,2-DCAd4	118.	% Rec	1577	11/24/04	18:36
VOA Surr, 1,2-DCAd4	118.	% Rec	1579	11/24/04	18:36
VOA Surr Toluene-d8	107.	% Rec	299	11/23/04	23:50
VOA Surr Toluene-d8	107.	% Rec	2591	11/23/04	23:50
VOA Surr Toluene-d8	109.	% Rec	1577	11/24/04	18:36
VOA Surr Toluene-d8	109.	% Rec	1579	11/24/04	18:36
VOA Surr, 4-BFB	106.	% Rec	299	11/23/04	23:50
VOA Surr, 4-BFB	106.	% Rec	2591	11/23/04	23:50

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
VOA Surr, 4-BFB	106.	% Rec	1577	11/24/04	18:36
VOA Surr, 4-BFB	106.	% Rec	1579	11/24/04	18:36
VOA Surr, DBFM	96.	% Rec	299	11/23/04	23:50
VOA Surr, DBFM	96.	% Rec	2591	11/23/04	23:50
VOA Surr, DBFM	105.	% Rec	1577	11/24/04	18:36
VOA Surr, DBFM	105.	% Rec	1579	11/24/04	18:36

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 397453

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

COOLER RECEIPT FORM

BC# 397453

Client Name : ERI

Cooler Received/Opened On: 11/19/04 **Accessioned By:** James D. Jacobs

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 3 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where: 1 Tape Front
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here _____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    0636

    Fed-Ex UPS Velocity Airborne Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creight
Nashville, TN 37204

397453

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Boulevard
City/State/Zip: Petaluma, CA 94954
Project Manager James Chappell
phone Number: (707) 766-2000
ERI Job Number: 210103X
Sampler Name: (Print) Jennifer Lacy
Sampler Signature: Jennifer Lacy

ExxonMobil Engineer Jennifer Sedlachek
Telephone Number (510) 547-8196
Account #: 3876
PO #: 4504239069
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8021B	confirm mtbe 8260B	Oxygenates 8260B	Ethanol 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	Lead Scvngr 8260	
S-10-MW5C	11/15/04	1205		X	ICE/MS 3x/MeOH 1x/MeOH	1/1/3/1		X		X	X	X			X		~~182199~~				182199
S-20-MW5C	↓	1215		X	↓	↓		↓		↓	↓	↓			↓		~~200~~	↓			182200
																	~~201~~				
S-10-MW20C	11/16/04	0840		X													~~202~~				182201
S-15-MW20C	↓	0850		X													~~203~~				182202
																	~~204~~				
S-15-MW21C	11/16/04	1315		X																	182203
S-20-MW21C	↓	1320		X	↓	↓		↓		↓	↓	↓			↓						182204

Relinquished by: Jennifer Lacy Date 11/16/04 Time Received by: Time

Relinquished by: Date Time Received by TestAmerica: 11/19/04 Time 8:10

Laboratory Comments:
Temperature Upon Receipt: 3°C
Sample Containers Intact? Yes
VOAs Free of Headspace?

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11/27/04

ERI - NORTHERN CA 3876
JANICE JACOBSON
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 210103X.
Laboratory Project Number: 397290.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
S-10-MW21B	04-A181174	11/17/04
S-15-MW21B	04-A181175	11/17/04
S-10-MW21A	04-A181176	11/17/04
S-15-MW21A	04-A181177	11/17/04
S-10-MW20A	04-A181178	11/17/04
S-15-MW20A	04-A181179	11/17/04

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Sample Identification	Lab Number	Collection Date

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Report Approved By: Roxanne L Connor Report Date: 11/27/04

Johnny A. Mitchell, Lab Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JANICE JACOBSON
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A181174
Sample ID: S-10-MW21B
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/17/04
Time Collected: 8:25
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	77.3	%		1.0	11/24/04	13:42	B.Plett	CLP	4356
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.03	1.0	11/25/04	4:19	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	11/25/04	13:46	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**Methyl-t-amyl ether	ND	mg/Kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**Tertiary butyl alcohol	ND	mg/kg	0.0296	1.0	11/23/04	14:43	J. Adams	8260B	294
**Benzene	0.0025	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**1,2-Dibromoethane	ND	mg/kg	0.00118	1.0	11/23/04	14:43	J. Adams	8260B	294
**1,2-Dichloroethane	ND	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**Ethylbenzene	ND	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**Toluene	ND	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**Xylenes (Total)	ND	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**Methyl-t-butyl ether	0.0032	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260B	294
**Diisopropyl ether	ND	mg/kg	0.0012	1.0	11/23/04	14:43	J. Adams	8260/SA05-77	294

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.7 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	8.46 g	5.0 ml	11/17/04	8:25	Fitzwater	5035
BTX Prep	4.97 g	5.0 ml	11/19/04	16:35	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A181174
Sample ID: S-10-MW21B
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	97.	63. - 127.
TPH Hi Surr., o-Terphenyl	83.	35. - 135.
VOA Surr, 1,2-DCAd4	105.	72. - 134.
VOA Surr Toluene-d8	115.	76. - 122.
VOA Surr, 4-BFB	125.	60. - 138.
VOA Surr, DBFM	100.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JANICE JACOBSON
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A181175
Sample ID: S-15-MW21B
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/17/04
Time Collected: 8:30
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	68.1	%		1.0	11/24/04	13:42	B.Plett	CLP	4356
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	11/25/04	4:46	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	9.88	1.0	11/25/04	14:01	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**Methyl-t-amyl ether	ND	mg/Kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**Tertiary butyl alcohol	ND	mg/kg	0.0301	1.0	11/23/04	15:13	J. Adams	8260B	294
**Benzene	0.0061	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**1,2-Dibromoethane	ND	mg/kg	0.00120	1.0	11/23/04	15:13	J. Adams	8260B	294
**1,2-Dichloroethane	ND	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**Ethylbenzene	ND	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**Toluene	ND	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**Xylenes (Total)	ND	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**Methyl-t-butyl ether	0.0120	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260B	294
**Diisopropyl ether	ND	mg/kg	0.0012	1.0	11/23/04	15:13	J. Adams	8260/SA05-77	294

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.3 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	8.31 g	5.0 ml	11/17/04	8:30	Fitzwater	5035
BTX Prep	5.00 g	5.0 ml	11/19/04	16:35	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A181175
Sample ID: S-15-MW21B
Project: 210103X
Page 2

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	124.	63. - 127.
TPH Hi Surr., o-Terphenyl	87.	35. - 135.
VOA Surr, 1,2-DCAd4	81.	72. - 134.
VOA Surr Toluene-d8	125. #	76. - 122.
VOA Surr, 4-BFB	140. #	60. - 138.
VOA Surr, DBFM	79.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
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8260 surrogate recoveries elevated due to sample matrix.

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JANICE JACOBSON
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A181176
Sample ID: S-10-MW21A
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/17/04
Time Collected: 12:20
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	77.2	%		1.0	11/24/04	13:42	B.Plett	CLP	4356
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.02	1.0	11/25/04	5:13	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	11/25/04	14:17	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**Methyl-t-amyl ether	ND	mg/Kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**Tertiary butyl alcohol	ND	mg/kg	0.0323	1.0	11/23/04	15:44	J. Adams	8260B	294
**Benzene	0.0026	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**1,2-Dibromoethane	ND	mg/kg	0.00129	1.0	11/23/04	15:44	J. Adams	8260B	294
**1,2-Dichloroethane	ND	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**Ethylbenzene	ND	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**Toluene	ND	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**Xylenes (Total)	ND	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**Methyl-t-butyl ether	0.0030	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260B	294
**Diisopropyl ether	ND	mg/kg	0.0013	1.0	11/23/04	15:44	J. Adams	8260/SA05-77	294

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	7.74 g	5.0 ml	11/17/04	12:20	Fitzwater	5035
BTX Prep	4.98 g	5.0 ml	11/19/04	16:35	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A181176
Sample ID: S-10-MW21A
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	102.	63. - 127.
TPH Hi Surr., o-Terphenyl	82.	35. - 135.
VOA Surr, 1,2-DCAd4	107.	72. - 134.
VOA Surr Toluene-d8	109.	76. - 122.
VOA Surr, 4-BFB	120.	60. - 138.
VOA Surr, DBFM	100.	75. - 137.

LABORATORY COMMENTS:
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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JANICE JACOBSON
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A181177
Sample ID: S-15-MW21A
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/17/04
Time Collected: 12:25
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	69.6	%		1.0	11/24/04	13:42	B.Plett	CLP	4356
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	4.99	1.0	11/25/04	5:40	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	9.84	1.0	11/25/04	14:33	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**Methyl-t-amyl ether	ND	mg/Kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**Tertiary butyl alcohol	ND	mg/kg	0.0291	1.0	11/23/04	16:15	J. Adams	8260B	294
**Benzene	0.0080	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**1,2-Dibromoethane	ND	mg/kg	0.00117	1.0	11/23/04	16:15	J. Adams	8260B	294
**1,2-Dichloroethane	ND	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**Ethylbenzene	ND	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**Toluene	ND	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**Xylenes (Total)	ND	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**Methyl-t-butyl ether	0.0107	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260B	294
**Diisopropyl ether	ND	mg/kg	0.0012	1.0	11/23/04	16:15	J. Adams	8260/SA05-77	294

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.4 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	8.58 g	5.0 ml	11/17/04	12:25	Fitzwater	5035
BTX Prep	5.01 g	5.0 ml	11/19/04	16:35	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A181177
Sample ID: S-15-MW21A
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	105.	63. - 127.
TPH Hi Surr., o-Terphenyl	84.	35. - 135.
VOA Surr, 1,2-DCAd4	96.	72. - 134.
VOA Surr Toluene-d8	121.	76. - 122.
VOA Surr, 4-BFB	132.	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

LABORATORY COMMENTS:
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E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JANICE JACOBSON
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Lab Number: 04-A181178
Sample ID: S-10-MW20A
Sample Type: Soil
Site ID: 7-0277

Date Collected: 11/17/04
Time Collected: 14:30
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	75.9	%		1.0	11/24/04	13:42	B.Plett	CLP	4356
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	11/25/04	6:07	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	9.88	1.0	11/25/04	14:49	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**Methyl-t-amyl ether	ND	mg/Kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**Tertiary butyl alcohol	ND	mg/kg	0.0321	1.0	11/23/04	16:46	J. Adams	8260B	294
**Benzene	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**1,2-Dibromoethane	ND	mg/kg	0.00129	1.0	11/23/04	16:46	J. Adams	8260B	294
**1,2-Dichloroethane	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**Ethylbenzene	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**Toluene	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**Xylenes (Total)	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**Methyl-t-butyl ether	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260B	294
**Diisopropyl ether	ND	mg/kg	0.0013	1.0	11/23/04	16:46	J. Adams	8260/SA05-77	294

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.3 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	7.78 g	5.0 ml	11/17/04	14:30	Fitzwater	5035
BTX Prep	5.00 g	5.0 ml	11/19/04	16:35	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A181178
Sample ID: S-10-MW20A
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	100.	63. - 127.
TPH Hi Surr., o-Terphenyl	101.	35. - 135.
VOA Surr, 1,2-DCAd4	99.	72. - 134.
VOA Surr Toluene-d8	116.	76. - 122.
VOA Surr, 4-BFB	129.	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JANICE JACOBSON
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A181179
Sample ID: S-15-MW20A
Sample Type: Soil
Site ID: 7-0277

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: JENNIFER LACY

Date Collected: 11/17/04
Time Collected: 14:35
Date Received: 11/19/04
Time Received: 8:10

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	71.5	%		1.0	11/24/04	13:42	B.Plett	CLP	4356
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	4.96	1.0	11/25/04	6:34	J. Redmond	8015B	762
**TPH (Diesel Range)	ND	mg/kg	9.92	1.0	11/25/04	15:04	M.Jarrett	8015B	9861
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**Methyl-t-amyl ether	ND	mg/Kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**Tertiary butyl alcohol	ND	mg/kg	0.0347	1.0	11/23/04	17:17	J. Adams	8260B	294
**Benzene	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**1,2-Dibromoethane	ND	mg/kg	0.00139	1.0	11/23/04	17:17	J. Adams	8260B	294
**1,2-Dichloroethane	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**Ethylbenzene	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**Toluene	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**Xylenes (Total)	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**Methyl-t-butyl ether	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260B	294
**Diisopropyl ether	ND	mg/kg	0.0014	1.0	11/23/04	17:17	J. Adams	8260/SA05-77	294

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.2 gm	1.0 ml	11/23/04		J. Davis	3550
Volatile Organics	7.20 g	5.0 ml	11/17/04	14:35	Fitzwater	5035
BTX Prep	5.04 g	5.0 ml	11/19/04	16:35	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A181179
Sample ID: S-15-MW20A
Project: 210103X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	99.	63. - 127.
TPH Hi Surr., o-Terphenyl	100.	35. - 135.
VOA Surr, 1,2-DCAd4	103.	72. - 134.
VOA Surr Toluene-d8	116.	76. - 122.
VOA Surr, 4-BFB	124.	60. - 138.
VOA Surr, DBFM	97.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 1
Laboratory Receipt Date: 11/19/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/kg	< 4.96	6.28	10.0	63	52. - 150.	762	04-A181179
TPH (Diesel Range)	mg/kg	2.59	32.3	40.0	74	28. - 143.	9861	04-A181174
VOA PARAMETERS								
Benzene	mg/kg	< 0.0008	0.0486	0.0500	97	53 - 136	294	blank
Toluene	mg/kg	< 0.0005	0.0573	0.0500	115	43 - 139	294	blank
VOA Surr, 1,2-DCAd4	% Rec				92	72 - 134	294	
VOA Surr Toluene-d8	% Rec				108	76 - 122	294	
VOA Surr, 4-BFB	% Rec				105	60 - 138	294	
VOA Surr, DBFM	% Rec				95	75 - 137	294	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	6.28	5.60	11.45	39.	762
TPH (Diesel Range)	mg/kg	32.3	33.6	3.95	51.	9861
VOA PARAMETERS						
Benzene	mg/kg	0.0486	0.0484	0.41	34.	294
Toluene	mg/kg	0.0573	0.0583	1.73	39.	294
VOA Surr, 1,2-DCAd4	% Rec		94.			294
VOA Surr Toluene-d8	% Rec		109.			294
VOA Surr, 4-BFB	% Rec		108.			294
VOA Surr, DBFM	% Rec		96.			294

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 2
Laboratory Receipt Date: 11/19/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	10.0	9.30	93	74 - 127	762
TPH (Diesel Range)	mg/kg	40.0	32.4	81	54 - 126	9861
VOA PARAMETERS						
Ethyl-t-butylether	mg/kg	0.0500	0.0447	89	67 - 137	294
Methyl-t-amyl ether	mg/Kg	0.0500	0.0411	82	64 - 142	294
Tertiary butyl alcohol	mg/kg	0.500	0.386	77	36 - 159	294
Benzene	mg/kg	0.0500	0.0453	91	76 - 124	294
1,2-Dibromoethane	mg/kg	0.0500	0.0476	95	59 - 146	294
1,2-Dichloroethane	mg/kg	0.0500	0.0453	91	71 - 129	294
Ethylbenzene	mg/kg	0.0500	0.0502	100	70 - 128	294
Toluene	mg/kg	0.0500	0.0539	108	72 - 125	294
Xylenes (Total)	mg/kg	0.150	0.156	104	71 - 129	294
Methyl-t-butyl ether	mg/kg	0.0500	0.0461	92	67 - 138	294
Diisopropyl ether	mg/kg	0.0500	0.0468	94	70 - 131	294
VOA Surr, 1,2-DCAd4	% Rec			95	72 - 134	294
VOA Surr Toluene-d8	% Rec			107	76 - 122	294
VOA Surr, 4-BFB	% Rec			105	60 - 138	294
VOA Surr, DBFM	% Rec			95	75 - 137	294

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 3
Laboratory Receipt Date: 11/19/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
UST PARAMETERS					
TPH (Gasoline Range)	< 0.52	mg/kg	762	11/25/04	3:52
TPH (Diesel Range)	1.40	mg/kg	9861	11/25/04	12:42
UST surr-Trifluorotoluene	96.	% Recovery	762	11/25/04	3:52
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0007	mg/kg	294	11/23/04	14:12
Methyl-t-amyl ether	< 0.0008	mg/Kg	294	11/23/04	14:12
Tertiary butyl alcohol	< 0.0114	mg/kg	294	11/23/04	14:12
Benzene	< 0.0008	mg/kg	294	11/23/04	14:12
1,2-Dibromoethane	< 0.00080	mg/kg	294	11/23/04	14:12
1,2-Dichloroethane	< 0.0007	mg/kg	294	11/23/04	14:12
Ethylbenzene	< 0.0005	mg/kg	294	11/23/04	14:12
Toluene	< 0.0005	mg/kg	294	11/23/04	14:12
Xylenes (Total)	< 0.0013	mg/kg	294	11/23/04	14:12
Methyl-t-butyl ether	< 0.0009	mg/kg	294	11/23/04	14:12
Diisopropyl ether	< 0.0008	mg/kg	294	11/23/04	14:12
VOA Surr, 1,2-DCAd4	106.	% Rec	294	11/23/04	14:12
VOA Surr Toluene-d8	105.	% Rec	294	11/23/04	14:12
VOA Surr, 4-BFB	106.	% Rec	294	11/23/04	14:12
VOA Surr, DBFM	99.	% Rec	294	11/23/04	14:12

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 397290

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

397290

COOLER RECEIPT FORM

BC#

Client Name : ERT

Cooler Received/Opened On: 11/19/04 Accessioned By: Shawn Gracey

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 5.8 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where:
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... NO...YES...NA
    b. Was there any observable head space present in any VOA vial?..... YES...NO...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    2895

    Fed-Ex UPS Velocity Airborne Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

Revised 3/3/04

TestAmerica INCORPORATED

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Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Boulevard
City/State/Zip: Petaluma, CA 94954
Project Manager James Chappell
Telephone Number: (707) 766-2000
ERI Job Number: 210103X
Sampler Name: (Print) Jennifer Lacy
Sampler Signature: Jennifer Lacy

397290

ExxonMobil Engineer Jennifer Sedlachek
Telephone Number (510) 547-8196
Account #: 3876
PO #: 4504239069
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Y...
City, ... Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
(1) Brass sleeve
(1) non-preserved VOA
(1) Methanol VOA
(3) NA_2SO_4 VOAs
(collected using EPA method 5035)

Analyze For: TPHd 8015B, TPHg 8015B, BTEX 8260B, MTBE 8021B, confirm mtbe 8260B, Oxygenates 8260B, Ethanol 8260B, Oxygenates 524.2, BTEX 524.2, MTBE 524.2, Lead Scvngr 8260

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8021B	confirm mtbe 8260B	Oxygenates 8260B	Ethanol 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	Lead Scvngr 8260
S-10-MW21B	11/17/04	0825		X	ICE/NP NA_2SO_4, MEOH	1/1/3/1		X		X	X	X			X			18/11/24	5	
S-15-MW21B		0830																	6	
S-10-MW21A		1220																	7	
S-15-MW21A		1225																	8	
S-10-MW20A		1430																18/11/29	9	
S-15-MW20A		1435																		

Relinquished by: [signature] Date 11-18-04 Time
Received by: [signature] Date 11/19/04 Time 0810
Relinquished by: Date Time
Received by TestAmerica: Time

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

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RECEIVED
DEC 01 2004

12/ 1/04

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 2101 03X.
Laboratory Project Number: 397734.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
S-10-MW22	04-A183954	11/19/04
S-20.5-MW22	04-A183955	11/19/04

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Gail A Lage Report Date: 11/30/04

Johnny A. Mitchell, Lab Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A183954
Sample ID: S-10-MW22
Sample Type: Soil
Site ID: 7-0277

Project: 2101 03X
Project Name: EXXONMOBIL 7-0277
Sampler: DANIEL A.PARSONS

Date Collected: 11/19/04
Time Collected:
Date Received: 11/23/04
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.00	1.0	11/28/04	14:30	J. Redmond	8015B	2450
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Methyl-t-amyl ether	ND	mg/Kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Tertiary butyl alcohol	ND	mg/kg	0.0280	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Benzene	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**1,2-Dibromoethane	ND	mg/kg	0.00112	1.0	11/30/04	0:45	J. Adams	8260B	3338
**1,2-Dichloroethane	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Ethylbenzene	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Toluene	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Xylenes (Total)	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Methyl-t-butyl ether	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260B	3338
**Diisopropyl ether	ND	mg/kg	0.0011	1.0	11/30/04	0:45	J. Adams	8260/SA05-77	3338

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	8.92 g	5.0 ml	11/19/04		Fitzwater	5035

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	96.	63. - 127.
VOA Surr, 1,2-DCAd4	112.	72. - 134.
VOA Surr Toluene-d8	106.	76. - 122.

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ANALYTICAL REPORT

Laboratory Number: 04-A183954
Sample ID: S-10-MW22
Project: 2101 03X

Surrogate	% Recovery	Target Range
VOA Surr, 4-BFB	106.	60. - 138.
VOA Surr, DBFM	105.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A183955
Sample ID: S-20.5-MW22
Sample Type: Soil
Site ID: 7-0277

Project: 2101 03X
Project Name: EXXONMOBIL 7-0277
Sampler: DANIEL A.PARSONS

Date Collected: 11/19/04
Time Collected:
Date Received: 11/23/04
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	74.2	%		1.0	11/24/04	12:11	B.Plett	CLP	8712
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	5.03	1.0	11/29/04	12:58	J. Redmond	8015B	3489
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	11/28/04	22:13	M.Jarrett	8015B	1541
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Methyl-t-amyl ether	ND	mg/Kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Tertiary butyl alcohol	ND	mg/kg	0.0498	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Benzene	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**1,2-Dibromoethane	ND	mg/kg	0.00199	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**1,2-Dichloroethane	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Ethylbenzene	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Toluene	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Xylenes (Total)	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Methyl-t-butyl ether	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260B	3333
**Diisopropyl ether	ND	mg/kg	0.0020	1.0	11/28/04	7:34	J. Bundy	8260/SA05-77	3333

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.6 gm	1.0 ml	11/24/04		K. Turner	3550
Volatile Organics	5.02 g	5.0 ml	11/24/04	12:05	Fitzwater	5035
BTX Prep	4.97 g	5.0 ml	11/29/04	11:00	J. Redmond	5035

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ANALYTICAL REPORT

Laboratory Number: 04-A183955
Sample ID: S-20.5-MW22
Project: 2101 03X

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	109.	63. - 127.
EPH surr-o-Terphenyl	82.	54. - 136.
VOA Surr, 1,2-DCAd4	116.	72. - 134.
VOA Surr Toluene-d8	108.	76. - 122.
VOA Surr, 4-BFB	111.	60. - 138.
VOA Surr, DBFM	104.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

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PROJECT QUALITY CONTROL DATA
Project Number: 2101 03X
Project Name: EXXONMOBIL 7-0277
Page: 1
Laboratory Receipt Date: 11/23/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/kg	< 0.52	10.3	10.0	103	52. - 150.	2450	blank
TPH (Gasoline Range)	mg/kg	< 5.00	9.55	10.0	96	52. - 150.	3489	04-A185449
TPH (Diesel Range)	mg/kg	< 10.0	36.9	40.0	92	28. - 143.	1541	04-A183955
VOA PARAMETERS								
Benzene	mg/kg	< 0.0008	0.0495	0.0500	99	53 - 136	3333	blank
Benzene	mg/kg	< 0.0008	0.0509	0.0500	102	53 - 136	3338	blank
Toluene	mg/kg	< 0.0005	0.0474	0.0500	95	43 - 139	3333	blank
Toluene	mg/kg	< 0.0005	0.0484	0.0500	97	43 - 139	3338	blank
VOA Surr, 1,2-DCAd4	% Rec				110	72 - 134	3333	
VOA Surr, 1,2-DCAd4	% Rec				101	72 - 134	3338	
VOA Surr Toluene-d8	% Rec				108	76 - 122	3333	
VOA Surr Toluene-d8	% Rec				109	76 - 122	3338	
VOA Surr, 4-BFB	% Rec				106	60 - 138	3333	
VOA Surr, 4-BFB	% Rec				106	60 - 138	3338	
VOA Surr, DBFM	% Rec				103	75 - 137	3333	
VOA Surr, DBFM	% Rec				98	75 - 137	3338	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	10.3	10.0	2.96	39.	2450
TPH (Gasoline Range)	mg/kg	9.55	10.2	6.58	39.	3489
TPH (Diesel Range)	mg/kg	36.9	36.3	1.64	51.	1541

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PROJECT QUALITY CONTROL DATA
Project Number: 2101 03X
Project Name: EXXONMOBIL 7-0277
Page: 2
Laboratory Receipt Date: 11/23/04

VOA PARAMETERS						
Benzene	mg/kg	0.0495	0.0458	7.76	34.	3333
Benzene	mg/kg	0.0509	0.0510	0.20	34.	3338
Toluene	mg/kg	0.0474	0.0441	7.21	39.	3333
Toluene	mg/kg	0.0484	0.0487	0.62	39.	3338
VOA Surr, 1,2-DCAd4	% Rec		107.			3333
VOA Surr, 1,2-DCAd4	% Rec		100.			3338
VOA Surr Toluene-d8	% Rec		110.			3333
VOA Surr Toluene-d8	% Rec		107.			3338
VOA Surr, 4-BFB	% Rec		109.			3333
VOA Surr, 4-BFB	% Rec		103.			3338
VOA Surr, DBFM	% Rec		101.			3333
VOA Surr, DBFM	% Rec		99.			3338

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	10.0	10.3	103	74 - 127	2450
TPH (Gasoline Range)	mg/kg	10.0	9.55	96	74 - 127	3489
TPH (Diesel Range)	mg/kg	40.0	34.6	86	54 - 126	1541
VOA PARAMETERS						
Ethyl-t-butylether	mg/kg	0.0500	0.0475	95	67 - 137	3333
Ethyl-t-butylether	mg/kg	0.0500	0.0415	83	67 - 137	3338
Methyl-t-amyl ether	mg/Kg	0.0500	0.0451	90	64 - 142	3333
Methyl-t-amyl ether	mg/Kg	0.0500	0.0436	87	64 - 142	3338
Tertiary butyl alcohol	mg/kg	0.500	0.472	94	36 - 159	3333
Tertiary butyl alcohol	mg/kg	0.500	0.480	96	36 - 159	3338
Benzene	mg/kg	0.0500	0.0511	102	76 - 124	3333
Benzene	mg/kg	0.0500	0.0449	90	76 - 124	3338
1,2-Dibromoethane	mg/kg	0.0500	0.0557	111	59 - 146	3333
1,2-Dibromoethane	mg/kg	0.0500	0.0481	96	59 - 146	3338
1,2-Dichloroethane	mg/kg	0.0500	0.0499	100	71 - 129	3333
1,2-Dichloroethane	mg/kg	0.0500	0.0436	87	71 - 129	3338
Ethylbenzene	mg/kg	0.0500	0.0500	100	70 - 128	3333
Ethylbenzene	mg/kg	0.0500	0.0456	91	70 - 128	3338
Toluene	mg/kg	0.0500	0.0509	102	72 - 125	3333
Toluene	mg/kg	0.0500	0.0460	92	72 - 125	3338
Xylenes (Total)	mg/kg	0.150	0.149	99	71 - 129	3333

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PROJECT QUALITY CONTROL DATA
Project Number: 2101 03X
Project Name: EXXONMOBIL 7-0277
Page: 3
Laboratory Receipt Date: 11/23/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Xylenes (Total)	mg/kg	0.150	0.136	91	71 - 129	3338
Methyl-t-butyl ether	mg/kg	0.0500	0.0504	101	67 - 138	3333
Methyl-t-butyl ether	mg/kg	0.0500	0.0451	90	67 - 138	3338
Diisopropyl ether	mg/kg	0.0500	0.0517	103	70 - 131	3333
Diisopropyl ether	mg/kg	0.0500	0.0455	91	70 - 131	3338
VOA Surr, 1,2-DCAd4	% Rec			100	72 - 134	3333
VOA Surr, 1,2-DCAd4	% Rec			98	72 - 134	3338
VOA Surr Toluene-d8	% Rec			109	76 - 122	3333
VOA Surr Toluene-d8	% Rec			110	76 - 122	3338
VOA Surr, 4-BFB	% Rec			107	60 - 138	3333
VOA Surr, 4-BFB	% Rec			105	60 - 138	3338
VOA Surr, DBFM	% Rec			100	75 - 137	3333
VOA Surr, DBFM	% Rec			100	75 - 137	3338

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TPH (Gasoline Range)	< 0.52	mg/kg	2450	11/28/04	10:24
TPH (Gasoline Range)	< 0.52	mg/kg	3489	11/29/04	11:51
TPH (Diesel Range)	< 10.0	mg/kg	1541	11/28/04	21:57

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PROJECT QUALITY CONTROL DATA
Project Number: 2101 03X
Project Name: EXXONMOBIL 7-0277
Page: 4
Laboratory Receipt Date: 11/23/04

UST surr-Trifluorotoluene	103.	% Recovery	2450	11/28/04	10:24
UST surr-Trifluorotoluene	103.	% Recovery	3489	11/29/04	11:51
EPH surr-o-Terphenyl	86.	% Recovery	1541	11/28/04	21:57
VOA PARAMETERS					
Ethyl-t-butylether	< 0.0007	mg/kg	3333	11/28/04	0:54
Ethyl-t-butylether	< 0.0007	mg/kg	3338	11/29/04	19:05
Methyl-t-amyl ether	< 0.0008	mg/Kg	3333	11/28/04	0:54
Methyl-t-amyl ether	< 0.0008	mg/Kg	3338	11/29/04	19:05
Tertiary butyl alcohol	< 0.0114	mg/kg	3333	11/28/04	0:54
Tertiary butyl alcohol	< 0.0114	mg/kg	3338	11/29/04	19:05
Benzene	< 0.0008	mg/kg	3333	11/28/04	0:54
Benzene	< 0.0008	mg/kg	3338	11/29/04	19:05
1,2-Dibromoethane	< 0.00080	mg/kg	3333	11/28/04	0:54
1,2-Dibromoethane	< 0.00080	mg/kg	3338	11/29/04	19:05
1,2-Dichloroethane	< 0.0007	mg/kg	3333	11/28/04	0:54
1,2-Dichloroethane	< 0.0007	mg/kg	3338	11/29/04	19:05
Ethylbenzene	< 0.0005	mg/kg	3333	11/28/04	0:54
Ethylbenzene	< 0.0005	mg/kg	3338	11/29/04	19:05
Toluene	< 0.0005	mg/kg	3333	11/28/04	0:54
Toluene	< 0.0005	mg/kg	3338	11/29/04	19:05
Xylenes (Total)	< 0.0013	mg/kg	3333	11/28/04	0:54
Xylenes (Total)	< 0.0013	mg/kg	3338	11/29/04	19:05
Methyl-t-butyl ether	< 0.0009	mg/kg	3333	11/28/04	0:54
Methyl-t-butyl ether	< 0.0009	mg/kg	3338	11/29/04	19:05
Diisopropyl ether	< 0.0008	mg/kg	3333	11/28/04	0:54
Diisopropyl ether	< 0.0008	mg/kg	3338	11/29/04	19:05
VOA Surr, 1,2-DCAd4	112.	% Rec	3333	11/28/04	0:54
VOA Surr, 1,2-DCAd4	113.	% Rec	3338	11/29/04	19:05
VOA Surr Toluene-d8	107.	% Rec	3333	11/28/04	0:54
VOA Surr Toluene-d8	107.	% Rec	3338	11/29/04	19:05
VOA Surr, 4-BFB	107.	% Rec	3333	11/28/04	0:54
VOA Surr, 4-BFB	104.	% Rec	3338	11/29/04	19:05
VOA Surr, DBFM	105.	% Rec	3333	11/28/04	0:54
VOA Surr, DBFM	104.	% Rec	3338	11/29/04	19:05

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 397734

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM

BC# 397734

Client Name : ERI

Cooler Received/Opened On: 11/23/04 Accessioned By: Mike McBride

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.9 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where: 1 2 3 4 Front Back Side Other
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

0728

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below: #13) No litres received for DRO

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM

BC# 397734

Client Name : ERI

Cooler Received/Opened On: 11/23/04 **Accessioned By:** Mike McBride

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.9 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... YES...NO...NA
   a. If yes, how many, what kind and where: 1 2 3 4 Front Back Side Other
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

0728

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below: #13) No litres received for DRO (MW)

397734

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 N McDowell Blvd
City/State/Zip: Petaluma, CA
Project Manager James Chappell
Telephone Number: (707) 766-2090
ERI Job Number: 2101 03X
Sampler Name: (Print) DANIEL A. PARSONS
Sampler Signature:

ExxonMobil PM Jennifer Sedlachek
Telephone Number (510) 547-8196
Account #: 10228 URK 11-23-04
PO #:
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:
1) Non-preserved Voas
2) Na2SO4 Voas
3) Methanol Voas

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8260B	Ethanol 8260B	Oxygenates 8260B	VOCs 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	HOLD
183954 S-10-MW22	11/19/2004				Ice;Na2SO4;MeOH	5 Voas		X		X	X	X			X					
183956 S-20.5-MW22	11/19/2004				Ice	1 Brass Sleeve		X		X	X	X			X					

Relinquished by: D. PARSONS Date 11-22-04 Time 1450 Received by: Time

Relinquished by: Date Time Received by TestAmerica: Time 11-23-04 0800

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

Customer Receipt • For Your Records

CHAIN OF CUSTODY RECORD

838177361260

210103C

From: Please consult the *FedEx Service Guide* for specific commitments.

ORDER: 60150701
NAME:
( ) _____ - _____

FedEx Priority Overnight

EXPIRATION DATE 12/02/2004

NONREDEEMABLE

*If you require a different amount of declared value, please use a FedEx Airbill.

DECLARED VALUE $100

Do Not Place On Your FedEx Package

To: We Cannot Deliver to P.O. Boxes or P.O. Zip Codes
TEST AMERICA, INC.
2960 FOSTER CREIGHTON DR.
NASHVILLE, TN 37204
(615) 726-0177

QUESTIONS? CALL
1•800•Go•FedEx®
(800) 463-3339
Please see the back of this Customer Receipt for important terms and conditions.

____SAT. DEL.

FedEx Priority Overnight®
Billable Stamp By 10:30 a.m. Next Business Morning
Next-business-morning service not available to all locations.

nental Resolutions, Inc.
h McDowell Boulevard
a, CA 94954
:happell
6-2000
103X
nifer Lacy
nifer Lacy
ess. ☐ Other:

ExxonMobil Engineer: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #:
PO #: 4504239069
Facility ID #: 7-0277
Global ID#: T0609700537
Site Address: 1101 Yulupa Avenue
City, State Zip: Santa Rosa, California,

eve
scanned VOA (sampled using EPA Method 5035)
1 VOAS
nol VOA

E	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8021B	confirm mtbe 8260B	Oxygenates 8260B	Ethanol 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	Lead Scvngr 8260
30		X	ICE/0 Na2S2O3 HCl	1/1/3/1		X		X	X	X			X					
20						X		X	X	X			X					
70			ICE/0 Na2S2O3 MeOH			X		X	X	X			X					
45						X		X	X	X			X					

Relinquished by: Date Time Received by: Time
Relinquished by: Date 1/-19-04 Time 1242 Received by TestAmerica: Time

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

TestAmerica
ANALYTICAL TESTING CORPORATION

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RECEIVED
AUG 12 2004
BY:.....

8/ 5/04

CASE NARRATIVE

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 210103X.
Laboratory Project Number: 384542.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
S-SP-(1-4)	04-A118756	7/30/04

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Roxanne L. Connor Report Date: 8/ 5/04

Johnny A. Mitchell, Operations Manager
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Project: 210103X
Project Name: EXXONMOBIL 7-0277
Sampler: CHRIS BROWN

Lab Number: 04-A118756
Sample ID: S-SP-(1-4)
Sample Type: Soil
Site ID: 7-0277

Date Collected: 7/30/04
Time Collected: 10:15
Date Received: 8/ 3/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	81.5	%		1	8/ 3/04	11:04	B.Plett	CLP	1657
ORGANIC PARAMETERS									
Benzene	ND	mg/kg	0.001	1	8/ 4/04	13:24	D. Otero	8021B	4122
Ethylbenzene	ND	mg/kg	0.001	1	8/ 4/04	13:24	D. Otero	8021B	4122
Toluene	ND	mg/kg	0.001	1	8/ 4/04	13:24	D. Otero	8021B	4122
Xylenes, total	ND	mg/kg	0.001	1	8/ 4/04	13:24	D. Otero	8021B	4122
MTBE	ND	mg/kg	0.005	1	8/ 4/04	13:24	D. Otero	8021B	4122
TPH (Gasoline Range)	ND	mg/kg	4.97	1	8/ 4/04	13:24	D. Otero	8015B	4122
TPH (Diesel Range)	ND	mg/kg	10	1	8/ 4/04	6:39	M.Jarrett	8015B	2275
METALS									
Lead	6.73	mg/kg	0.99	1	8/ 3/04	16:52	C.Johnson	6010B	1683

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	8/ 3/04		M. Ricke	3550
BTX Prep	5.03 g	5.0 ml	8/ 3/04	16:45	C. Wilson	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 04-A118756
Sample ID: S-SP-(1-4)
Project: 210103X
Page 2

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	92.	60. - 130.
TPH Hi Surr., o-Terphenyl	98.	35. - 135.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 1
Laboratory Receipt Date: 8/ 3/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
Benzene	mg/kg	< 0.0010	0.0249	0.0500	50	26. - 154.	4122	blank
Toluene	mg/kg	< 0.0010	0.0183	0.0500	37	22. - 148.	4122	blank
Ethylbenzene	mg/kg	< 0.0010	0.0140	0.0500	28	16. - 151.	4122	blank
Xylenes, total	mg/kg	< 0.0010	0.0240	0.100	24#	45. - 155.	4122	blank
MTBE	mg/kg	< 0.005	0.034	0.050	68	25. - 155.	4122	blank
TPH (Gasoline Range)	mg/kg	< 5.00	10.3	10.0	103	25. - 152.	4122	blank
TPH (Diesel Range)	mg/kg	< 10.0	30.6	40.0	76	33. - 146.	2275	04-A118756
METALS								
Lead	mg/kg	6.73	194.	200.	94	75. - 125.	1683	04-A118756

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.0249	0.0278	11.01	34.	4122
Toluene	mg/kg	0.0183	0.0203	10.36	39.	4122
Ethylbenzene	mg/kg	0.0140	0.0157	11.45	40.	4122
Xylenes, total	mg/kg	0.0240	0.0269	11.39	44.	4122
MTBE	mg/kg	0.034	0.035	2.90	27.	4122
TPH (Gasoline Range)	mg/kg	10.3	10.4	0.97	32.	4122
TPH (Diesel Range)	mg/kg	30.6	30.9	0.98	50.	2275

Project QC continued . . .

TestAmerica
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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 2
Laboratory Receipt Date: 8/ 3/04

METALS						
Lead	mg/kg	194.	194.	0.00	20	1683

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
Benzene	mg/kg	0.100	0.108	108	71 - 127	4122
Toluene	mg/kg	0.100	0.110	110	73 - 121	4122
Ethylbenzene	mg/kg	0.100	0.108	108	71 - 127	4122
Xylenes, total	mg/kg	0.200	0.214	107	72 - 123	4122
MTBE	mg/kg	0.100	0.107	107	61 - 126	4122
TPH (Gasoline Range)	mg/kg	10.0	10.4	104	76 - 122	4122
TPH (Diesel Range)	mg/kg	40.0	29.3	73	48 - 135	2275
METALS						
Lead	mg/kg	400.	364.	91	80 - 120	1683

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed

Project QC continued . . .

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ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: 210103X
Project Name: EXXONMOBIL 7-0277
Page: 3
Laboratory Receipt Date: 8/ 3/04

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
UST PARAMETERS					
Benzene	< 0.0010	mg/kg	4122	8/ 4/04	12:51
Toluene	< 0.0010	mg/kg	4122	8/ 4/04	12:51
Ethylbenzene	< 0.0010	mg/kg	4122	8/ 4/04	12:51
Xylenes, total	< 0.0010	mg/kg	4122	8/ 4/04	12:51
MTBE	< 0.005	mg/kg	4122	8/ 4/04	12:51
TPH (Gasoline Range)	< 5.00	mg/kg	4122	8/ 4/04	12:51
TPH (Diesel Range)	< 10.0	mg/kg	2275	8/ 4/04	5:34
UST surr-Trifluorotoluene	91.	% Recovery	4122	8/ 4/04	12:51
METALS					
Lead	< 0.36	mg/kg	1683	8/ 3/04	16:52

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 384542

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** 384542

Client Name : ERI

Cooler Received/Opened On: 08/03/04 **Accessioned By:** Benjamin C.Wright

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.3 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO....NA
   a. If yes, how many, what kind and where: 1-TAPE-FRONT
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    6070

    Fed-Ex UPS Velocity Airborne Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

CHAIN OF CUSTODY RECORD

TestAmerica **384542**

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 North McDowell Boulevard
City/State/Zip: Petaluma, California 94954
Project Manager James Chappell
Telephone Number: (415) 766-2000
ERI Job Number: 210103X
Sampler Name: (Print) Chris Brown
Sampler Signature: Chris Brown

ExxonMobil Engineer Gene Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4504239069
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☑ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☐ 8 day

PROVIDE: EDF Report

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8021B	confirm mtbe 8260B	Oxygenates 8260B	VOCs 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	Lead 6010
S-SP-(1-4)	7/30/2004	10:15	X		ICE	4		X		X	X	X	X	11	87	56				X

Relinquished by: JClark Date 8/2/04 Time 1200 Received by: Time

Relinquished by: Date Time Received by TestAmerica: 8/3/04 Time 800

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

TestAmerica
ANALYTICAL TESTING CORPORATION

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800-765-0980 • 615-726-3404 Fax

RECEIVED
AUG 16 2004
BY:

8/11/04

CASE NARRATIVE

ERI - NORTHERN CA 3876
JAMES CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 210113X.
Laboratory Project Number: 383976.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

Sample Identification	Lab Number	Collection Date
W-3725	04-A115725	7/26/04

Additional Laboratory Comments:

Added TBA, ETBE, DIPE and TAME results.

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: _____

Report Date: 8/10/04
Revised Report Date

Johnny A. Mitchell, Operations Manager
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 3876
JAMES CHAPPEL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 04-A115725
Sample ID: W-3725
Sample Type: Water
Site ID: 7-0277

Project: 210113X
Project Name: EXXONMOBIL 7-0277
Sampler: VICKI BURNS

Date Collected: 7/26/04
Time Collected: 20:00
Date Received: 7/28/04
Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
Ethyl-t-butylether	ND	ug/l	0.50	1	8/ 5/04	1:14	C. Spry	524.2	4412
tert-amyl methyl ether	ND	ug/L	0.50	1	8/ 5/04	1:14	C. Spry	524.2	4412
t-Butanol	ND	ug/l	10.0	1	8/ 5/04	1:14	C. Spry	524.2	4412
Benzene	ND	ug/l	0.50	1	8/ 5/04	1:14	C. Spry	524.2	4412
Ethylbenzene	ND	ug/l	0.50	1	8/ 5/04	1:14	C. Spry	524.2	4412
Toluene	ND	ug/l	0.50	1	8/ 5/04	1:14	C. Spry	524.2	4412
Xylenes, Total	ND	ug/l	1.00	1	8/ 5/04	1:14	C. Spry	524.2	4412
Methyl-t-butyl ether	12.4	ug/l	0.50	1	8/ 5/04	1:14	C. Spry	524.2	4412
Isopropylether	ND	ug/l	0.50	1	8/ 5/04	1:14	C. Spry	524.2	4412

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	102.	73. - 133.
VOA Surrogate, Toluene d8	95.	80. - 121.
VOA Surrogate, 4-Bromofluorobenzene	98.	80. - 128.
VOA Surr, DBFM	98.	81. - 121.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 210113X
Project Name: EXXONMOBIL 7-0277
Page: 1
Laboratory Receipt Date: 7/28/04

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.00050	0.0111	0.0100	111	70 - 130	4412	117088
Toluene	mg/l	< 0.00050	0.0107	0.0100	107	70 - 130	4412	117088
VOA Surrogate, 1,2-Dichloroe%hRec, d4					100	73 - 133	4412	
VOA Surrogate, Toluene d8					97	80 - 121	4412	
VOA Surrogate, 4-Bromofluoro%eRecne					96	80 - 128	4412	
VOA Surr, DBFM	% Rec				95	81 - 121	4412	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0111	0.0107	3.67	20.	4412
Toluene	mg/l	0.0107	0.0103	3.81	20.	4412
VOA Surrogate, 1,2-Dichloroet%aRec d4			101.			4412
VOA Surrogate, Toluene d8			95.			4412
VOA Surrogate, 4-Bromofluorob%nRece			97.			4412
VOA Surr, DBFM	% Rec		76.			4412

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 210113X
Project Name: EXXONMOBIL 7-0277
Page: 2
Laboratory Receipt Date: 7/28/04

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0100	0.0104	104	69 - 142	4412
Ethyl-t-butylether	mg/l	0.0100	0.0128	128	69 - 142	4412
tert-amyl methyl ether	mg/L	0.0100	0.0106	106	70 - 141	4412
tert-amyl methyl ether	mg/L	0.0100	0.0101	101	70 - 141	4412
t-Butanol	mg/l	0.100	0.106	106	68 - 128	4412
t-Butanol	mg/l	0.100	0.0997	100	68 - 128	4412
Benzene	mg/l	0.0100	0.0102	102	70 - 130	4412
Benzene	mg/l	0.0100	0.0101	101	70 - 130	4412
Ethylbenzene	mg/l	0.0100	0.0101	101	70 - 130	4412
Ethylbenzene	mg/l	0.0100	0.00990	99	70 - 130	4412
Toluene	mg/l	0.0100	0.0100	100	70 - 130	4412
Toluene	mg/l	0.0100	0.00980	98	70 - 130	4412
Xylenes, Total	mg/l	0.0300	0.0304	101	70 - 130	4412
Xylenes, Total	mg/l	0.0300	0.0296	99	70 - 130	4412
Methyl-t-butyl ether	mg/l	0.0100	0.0105	105	70 - 130	4412
Methyl-t-butyl ether	mg/l	0.0100	0.00970	97	70 - 130	4412
Isopropylether	mg/l	0.0100	0.0102	102	70 - 130	4412
Isopropylether	mg/l	0.0100	0.00940	94	70 - 130	4412
VOA Surrogate, 1,2-Dichloroet%aRec d4				98	73 - 133	4412
VOA Surrogate, 1,2-Dichloroet%aRec d4				99	73 - 133	4412
VOA Surrogate, Toluene d8				96	80 - 121	4412
VOA Surrogate, Toluene d8				98	80 - 121	4412
VOA Surrogate, 4-Bromofluorob%nRece				97	80 - 128	4412
VOA Surrogate, 4-Bromofluorob%nRece				96	80 - 128	4412
VOA Surr, DBFM	% Rec			98	81 - 121	4412
VOA Surr, DBFM	% Rec			98	81 - 121	4412

Project QC continued . . .

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ANALYTICAL TESTING CORPORATION

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PROJECT QUALITY CONTROL DATA
Project Number: 210113X
Project Name: EXXONMOBIL 7-0277
Page: 3
Laboratory Receipt Date: 7/28/04

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00010	mg/l	4412	8/ 5/04	0:30
Ethyl-t-butylether	< 0.00010	mg/l	4412	8/ 5/04	9:04
tert-amyl methyl ether	< 0.00019	mg/L	4412	8/ 5/04	0:30
tert-amyl methyl ether	< 0.00019	mg/L	4412	8/ 5/04	9:04
t-Butanol	< 0.0100	mg/l	4412	8/ 5/04	0:30
t-Butanol	< 0.0100	mg/l	4412	8/ 5/04	9:04
Benzene	< 0.00030	mg/l	4412	8/ 5/04	0:30
Benzene	< 0.00030	mg/l	4412	8/ 5/04	9:04
Ethylbenzene	< 0.00022	mg/l	4412	8/ 5/04	0:30
Ethylbenzene	< 0.00022	mg/l	4412	8/ 5/04	9:04
Toluene	< 0.00022	mg/l	4412	8/ 5/04	0:30
Toluene	< 0.00022	mg/l	4412	8/ 5/04	9:04
Xylenes, Total	< 0.00033	mg/l	4412	8/ 5/04	0:30
Xylenes, Total	< 0.00033	mg/l	4412	8/ 5/04	9:04
Methyl-t-butyl ether	< 0.00024	mg/l	4412	8/ 5/04	0:30
Methyl-t-butyl ether	< 0.00024	mg/l	4412	8/ 5/04	9:04
Isopropylether	< 0.00005	mg/l	4412	8/ 5/04	0:30
Isopropylether	< 0.00005	mg/l	4412	8/ 5/04	9:04

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 210113X
Project Name: EXXONMOBIL 7-0277
Page: 4
Laboratory Receipt Date: 7/28/04

VOA Surrogate, 1,2-Dichloroethane, d4	101.	% Rec	4412	8/ 5/04	0:30
VOA Surrogate, 1,2-Dichloroethane, d4	101.	% Rec	4412	8/ 5/04	9:04
VOA Surrogate, Toluene d8	95.		4412	8/ 5/04	0:30
VOA Surrogate, Toluene d8	95.		4412	8/ 5/04	9:04
VOA Surrogate, 4-Bromofluorobenzene	98.	% Rec	4412	8/ 5/04	0:30
VOA Surrogate, 4-Bromofluorobenzene	97.	% Rec	4412	8/ 5/04	9:04
VOA Surr, DBFM	96.	% Rec	4412	8/ 5/04	0:30
VOA Surr, DBFM	100.	% Rec	4412	8/ 5/04	9:04

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 383976

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

COOLER RECEIPT FORM **BC#** 383976

Client Name : ERI

Cooler Received/Opened On: 7/28/04 **Accessioned By:** Shane Gambill

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 4-6 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO....NA
   a. If yes, how many, what kind and where: 1/2/3/4 FRONT/BACK/SIDE
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

6700						
Fed-Ex	UPS	Velocity	Airborne	Route	Off-street	Misc.

19. If a Non-Conformance exists, see attached or comments below:

TestAmerica INCORPORATED

External Nonconformance / Customer Inquiry

Initiated by:	Lklingensmith	**Phone:**	415-382-9105	NC Closed	☑
Client Name:	ERI - NORTHERN	**Sample Range:**	115725	Date Closed	8/11/2004
Client Contact:	Jim Chappell	**SDG:**	383976		
Client Account:	3876	**Analyst:**	224		
Date Created:	8/10/2004	**Supervisor:**	Mark Hollingsworth		

Process: Add Compounds (not requested on COC)

Action: New Analysis added per Client Request

Corrected By: Pam Langford

Closed: ☑ Plangford

Comments:

Comment added by: Lklingensmith on 8/11/2004 8:16:16 AM
Revised report sent 8-11-04.

****

Comment added by: Plangford on 8/10/2004 5:00:27 PM
Compounds have been added and report is ready to reprint.

****

Comment added by: Plangford on 8/10/2004 5:00:16 PM
Process Closed without Comment

****

If possible, please, add TBA, ETBE, DIPE and TAME to sample 115725. ERI(3876)
From: Jim F. Chappell [mailto:jchappell@ERI-US.com]
Sent: Tuesday, August 10, 2004 10:13 AM
To: Leah Klingensmith
Subject: lab 04-a115725
Leah,
Report 04-A115725
Site 7-0277
Can you please report TBA, ETBE, DIPE and TAME for sample W-3725 collected on 7/26/04?

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177 **383976**

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 73 Digital Drive, Suite 100
City/State/Zip: Novato, California 94949
Project Manager James Chappell
Telephone Number: (415) 382-4323
ERI Job Number: 210113X
Sampler Name: (Print) Vicki Burns
Sampler Signature: Vicki Burns

ExxonMobil Engineer Gene Ortega
Telephone Number (925) 246-8747
Account #: 3876
PO #: 4504239069
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report
FAX Results

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8021B	MTBE 8021B	confirm mtbe 8260B	Oxygenates 8260B	VOCs 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2
W-3725	7-26-04	2000			HCL	6	X					15725						X	X
~~W-1175~~					HCL		X											X	X

Relinquished by:	Date	Time	Received by:	Time
Vicki Burns	7-27-04	1130		
Relinquished by:	Date	Time	Received by TestAmerica:	Time
				7/28/04 8:40

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact?
VOAs Free of Headspace?

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1/21/05

JAN 24 2005

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 7-0277
Project Number: 2101 1316600.
Laboratory Project Number: 402843.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
MW5	05-A4300	1/10/05
MW6	05-A4301	1/10/05
MW7	05-A4302	1/10/05
MW8	05-A4303	1/10/05
MW9	05-A4304	1/10/05
MW10	05-A4305	1/11/05
MW11	05-A4306	1/10/05
MW12	05-A4307	1/10/05
MW13	05-A4308	1/11/05
MW15	05-A4309	1/11/05
MW16	05-A4310	1/11/05
MW17	05-A4311	1/10/05
MW18	05-A4312	1/10/05
MW19	05-A4313	1/11/05
MW5C	05-A4314	1/11/05
MW20A	05-A4315	1/11/05
MW20C	05-A4316	1/11/05
MW21A	05-A4317	1/11/05
MW21B	05-A4318	1/11/05
MW21C	05-A4319	1/11/05
MW22	05-A4320	1/11/05
QCBB	05-A4321	1/11/05

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Roxanne L Connor Report Date: 1/21/05

Johnny A. Mitchell, Lab Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Technical Services
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Technical Services
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Technical Services
Mark Hollingsworth, Director of Project

Laboratory Certification Number: 01168CA

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4300
Sample ID: MW5
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 17:05
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	4270	ug/l	500.	10.0	1/20/05	7:09	D. Otero	8015B	4659
**TPH (Diesel Range)	1540	ug/l	50.	1.0	1/15/05	17:55	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**Benzene	134.	ug/l	0.50	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**1,2-Dichloroethane	3.60	ug/l	0.50	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**Ethylbenzene	1090	ug/l	5.00	10.0	1/20/05	14:01	A. Bruton	8260B	5586
**Toluene	18.4	ug/l	0.50	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**Xylenes (Total)	1070	ug/l	5.00	10.0	1/20/05	14:01	A. Bruton	8260B	5586
**Methyl-t-butyl ether	10.6	ug/l	0.50	1.0	1/17/05	2:42	A. Bruton	8260B	5560
Ethanol	ND	ug/L	50.0	1.0	1/17/05	2:42	A. Bruton	8260B	5560
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/17/05	2:42	A. Bruton	8260/SA05-77	5560

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	65.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4300
Sample ID: MW5

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	88.	69. - 132.
VOA Surr 1,2-DCA-d4	108.	73. - 127.
VOA Surr Toluene-d8	103.	79. - 113.
VOA Surr, 4-BFB	81.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4301
Sample ID: MW6
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 15:50
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	409.	ug/l	50.0	1.0	1/18/05	20:23	I. Ahmed	8015B	2119
**TPH (Diesel Range)	92.	ug/l	50.	1.0	1/15/05	18:11	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**Methyl-t-butyl ether	1.10	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	1:40	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	1:40	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	65.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4301
Sample ID: MW6

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	97.	69. - 132.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	95.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4302
Sample ID: MW7
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 16:35
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	20:38	I. Ahmed	8015B	2119
**TPH (Diesel Range)	104.	ug/l	50.	1.0	1/15/05	18:26	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**Xylenes (Total)	1.10	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**Methyl-t-butyl ether	4.70	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	2:04	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	2:04	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	66.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4302
Sample ID: MW7

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	112.	69. - 132.
VOA Surr 1,2-DCA-d4	92.	73. - 127.
VOA Surr Toluene-d8	95.	79. - 113.
VOA Surr, 4-BFB	98.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4303
Sample ID: MW8
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 16:50
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	20:52	I. Ahmed	8015B	2119
**TPH (Diesel Range)	ND	ug/l	50.	1.0	1/15/05	18:42	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**Methyl-t-butyl ether	19.9	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	2:28	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	2:28	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	63.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4303
Sample ID: MW8

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	96.	69. - 132.
VOA Surr 1,2-DCA-d4	97.	73. - 127.
VOA Surr Toluene-d8	94.	79. - 113.
VOA Surr, 4-BFB	101.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4304
Sample ID: MW9
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 16:20
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	21:07	I. Ahmed	8015B	2119
**TPH (Diesel Range)	53.	ug/l	50.	1.0	1/15/05	18:58	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**Methyl-t-butyl ether	13.6	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	2:53	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	2:53	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	64.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4304
Sample ID: MW9

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	108.	69. - 132.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	93.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4305
Sample ID: MW10
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 17:11
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	59.1	ug/l	50.0	1.0	1/18/05	21:22	I. Ahmed	8015B	2119
**TPH (Diesel Range)	167.	ug/l	50.	1.0	1/15/05	19:13	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**Tertiary butyl alcohol	11.2	ug/l	10.0	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**Methyl-t-butyl ether	35.6	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	3:17	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	3:17	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	66.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4305
Sample ID: MW10

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	96.	69. - 132.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	93.	79. - 113.
VOA Surr, 4-BFB	99.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4306
Sample ID: MW11
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 16:05
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	21:36	I. Ahmed	8015B	2119
**TPH (Diesel Range)	56.	ug/l	50.	1.0	1/15/05	20:00	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	3:41	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	3:41	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	63.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4306
Sample ID: MW11

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	109.	69. - 132.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	95.	79. - 113.
VOA Surr, 4-BFB	99.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4307
Sample ID: MW12
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 15:50
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	21:51	I. Ahmed	8015B	2119
**TPH (Diesel Range)	ND	ug/l	50.	1.0	1/15/05	20:16	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	4:06	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	4:06	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	63.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4307
Sample ID: MW12

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	96.	69. - 132.
VOA Surr 1,2-DCA-d4	99.	73. - 127.
VOA Surr Toluene-d8	95.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	97.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4308
Sample ID: MW13
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 16:53
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	22:06	I. Ahmed	8015B	2119
**TPH (Diesel Range)	66.	ug/l	50.	1.0	1/15/05	20:31	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	4:30	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	4:30	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	66.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4308
Sample ID: MW13

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	113.	69. - 132.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	93.	79. - 113.
VOA Surr, 4-BFB	98.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4309
Sample ID: MW15
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 17:37
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	22:21	I. Ahmed	8015B	2119
**TPH (Diesel Range)	66.	ug/l	50.	1.0	1/15/05	20:47	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**Methyl-t-butyl ether	0.80	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	4:54	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	4:54	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	70.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4309
Sample ID: MW15

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	96.	69. - 132.
VOA Surr 1,2-DCA-d4	99.	73. - 127.
VOA Surr Toluene-d8	94.	79. - 113.
VOA Surr, 4-BFB	99.	79. - 125.
VOA Surr, DBFM	97.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4310
Sample ID: MW16
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 17:54
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	277.	ug/l	50.0	1.0	1/18/05	22:35	I. Ahmed	8015B	2119
**TPH (Diesel Range)	76.	ug/l	50.	1.0	1/15/05	21:03	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**Tertiary butyl alcohol	35.5	ug/l	10.0	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**Xylenes (Total)	1.80	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**Methyl-t-butyl ether	104.	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	5:19	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	5:19	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	62.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4310
Sample ID: MW16

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	111.	69. - 132.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	94.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4311
Sample ID: MW17
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 15:35
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	22:50	I. Ahmed	8015B	2119
**TPH (Diesel Range)	ND	ug/l	50.	1.0	1/15/05	21:18	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	5:43	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	5:43	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	70.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4311
Sample ID: MW17

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	97.	69. - 132.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	96.	79. - 113.
VOA Surr, 4-BFB	99.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4312
Sample ID: MW18
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/10/05
Time Collected: 17:20
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	205.	ug/l	50.0	1.0	1/18/05	23:04	I. Ahmed	8015B	2119
**TPH (Diesel Range)	175.	ug/l	50.	1.0	1/15/05	21:34	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**Tertiary butyl alcohol	13.6	ug/l	10.0	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**Methyl-t-butyl ether	36.2	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	6:07	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	6:07	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	71.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4312
Sample ID: MW18

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	108.	69. - 132.
VOA Surr 1,2-DCA-d4	93.	73. - 127.
VOA Surr Toluene-d8	93.	79. - 113.
VOA Surr, 4-BFB	91.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4313
Sample ID: MW19
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 16:01
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	82.1	ug/l	50.0	1.0	1/18/05	23:19	I. Ahmed	8015B	2119
**TPH (Diesel Range)	62.	ug/l	50.	1.0	1/15/05	21:49	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**Ethylbenzene	1.70	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**Methyl-t-butyl ether	1.70	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	6:32	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	6:32	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	65.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4313
Sample ID: MW19

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	98.	69. - 132.
VOA Surr 1,2-DCA-d4	99.	73. - 127.
VOA Surr Toluene-d8	95.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4314
Sample ID: MW5C
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 16:22
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	23:34	I. Ahmed	8015B	2119
**TPH (Diesel Range)	230.	ug/l	50.	1.0	1/15/05	22:05	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**Ethylbenzene	1.50	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**Xylenes (Total)	3.80	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**Methyl-t-butyl ether	5.80	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	6:56	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	6:56	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	70.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4314
Sample ID: MW5C

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	110.	69. - 132.
VOA Surr 1,2-DCA-d4	100.	73. - 127.
VOA Surr Toluene-d8	93.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	98.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4315
Sample ID: MW20A
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 17:05
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/18/05	23:49	I. Ahmed	8015B	2119
**TPH (Diesel Range)	57.	ug/l	50.	1.0	1/15/05	22:20	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**Xylenes (Total)	1.00	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**Methyl-t-butyl ether	2.70	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	7:20	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	7:20	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	67.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4315
Sample ID: MW20A

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	99.	69. - 132.
VOA Surr 1,2-DCA-d4	100.	73. - 127.
VOA Surr Toluene-d8	93.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4316
Sample ID: MW20C
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 17:20
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/19/05	0:03	I. Ahmed	8015B	2119
**TPH (Diesel Range)	299.	ug/l	50.	1.0	1/15/05	22:36	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**Benzene	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**Ethylbenzene	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**Toluene	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**Methyl-t-butyl ether	0.80	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	7:45	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	7:45	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	67.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4316
Sample ID: MW20C

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	108.	69. - 132.
VOA Surr 1,2-DCA-d4	98.	73. - 127.
VOA Surr Toluene-d8	92.	79. - 113.
VOA Surr, 4-BFB	97.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4317
Sample ID: MW21A
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 16:10
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	256.	ug/l	50.0	1.0	1/19/05	0:18	I. Ahmed	8015B	2119
**TPH (Diesel Range)	133.	ug/l	50.	1.0	1/15/05	22:51	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**Tertiary butyl alcohol	12.9	ug/l	10.0	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**Benzene	2.60	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**Ethylbenzene	0.60	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**Toluene	0.70	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**Xylenes (Total)	1.60	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**Methyl-t-butyl ether	58.5	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260B	5249
Ethanol	ND	ug/L	50.0	1.0	1/20/05	8:09	A. Bruton	8260B	5249
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/20/05	8:09	A. Bruton	8260/SA05-77	5249

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	72.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4317
Sample ID: MW21A

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	100.	69. - 132.
VOA Surr 1,2-DCA-d4	102.	73. - 127.
VOA Surr Toluene-d8	95.	79. - 113.
VOA Surr, 4-BFB	93.	79. - 125.
VOA Surr, DBFM	97.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4318
Sample ID: MW21B
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 16:25
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	79.5	ug/l	50.0	1.0	1/19/05	0:32	I. Ahmed	8015B	2119
**TPH (Diesel Range)	137.	ug/l	50.	1.0	1/15/05	23:07	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**Tertiary butyl alcohol	16.2	ug/l	10.0	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**Benzene	ND	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**Ethylbenzene	ND	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**Toluene	ND	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**Xylenes (Total)	1.00	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**Methyl-t-butyl ether	60.5	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260B	5462
Ethanol	ND	ug/L	50.0	1.0	1/19/05	21:13	A. Bruton	8260B	5462
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/19/05	21:13	A. Bruton	8260/SA05-77	5462

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	65.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4318
Sample ID: MW21B

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	113.	69. - 132.
VOA Surr 1,2-DCA-d4	95.	73. - 127.
VOA Surr Toluene-d8	94.	79. - 113.
VOA Surr, 4-BFB	101.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4319
Sample ID: MW21C
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 16:40
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/19/05	8:37	I. Ahmed	8015B	2120
**TPH (Diesel Range)	214.	ug/l	50.	1.0	1/15/05	23:22	B. Yanna	8015B/3510	1806
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**Benzene	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**Ethylbenzene	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**Toluene	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**Xylenes (Total)	1.00	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**Methyl-t-butyl ether	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260B	5462
Ethanol	ND	ug/L	50.0	1.0	1/19/05	21:38	A. Bruton	8260B	5462
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/19/05	21:38	A. Bruton	8260/SA05-77	5462

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	67.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4319
Sample ID: MW21C

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	92.	79. - 113.
VOA Surr, 4-BFB	99.	79. - 125.
VOA Surr, DBFM	96.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels
TPH-Diesel result was not consistent with diesel fuel.

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4320
Sample ID: MW22
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected: 17:50
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	ug/l	50.0	1.0	1/19/05	8:51	I. Ahmed	8015B	2120
**TPH (Diesel Range)	ND	ug/l	50.	1.0	1/15/05	13:30	B. Yanna	8015B/3510	1817
VOLATILE ORGANICS									
**Ethyl-t-butylether	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**tert-amyl methyl ether	ND	ug/L	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**Tertiary butyl alcohol	ND	ug/l	10.0	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**Benzene	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**1,2-Dibromoethane	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**1,2-Dichloroethane	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**Ethylbenzene	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**Toluene	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**Xylenes (Total)	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**Methyl-t-butyl ether	2.20	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260B	5462
Ethanol	ND	ug/L	50.0	1.0	1/19/05	22:02	A. Bruton	8260B	5462
**Diisopropyl ether	ND	ug/l	0.50	1.0	1/19/05	22:02	A. Bruton	8260/SA05-77	5462

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	59.	55. - 133.

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ANALYTICAL REPORT

Laboratory Number: 05-A4320
Sample ID: MW22

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	73. - 127.
VOA Surr Toluene-d8	94.	79. - 113.
VOA Surr, 4-BFB	99.	79. - 125.
VOA Surr, DBFM	95.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels

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ANALYTICAL REPORT

ERI - NORTHERN CA 10228
JAMES CHAPPELL
601 NORTH MCDOWELL BLVD.
PETALUMA, CA 94954

Lab Number: 05-A4321
Sample ID: QCBB
Sample Type: Water
Site ID: 7-0277

Project: 2101 1316600
Project Name: EXXONMOBIL 7-0277
Sampler:

Date Collected: 1/11/05
Time Collected:
Date Received: 1/13/05
Time Received: 8:00

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

Silica Gel Cleanup performed for TPH-DRO analysis.

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	1/14/05		K. Turner	3510

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
Samplers: Vicki Burns, Dan Parsons, David Daniels

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Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/l	0.0795	1.10	1.00	102	43. - 150.	2119	05-A4318
TPH (Gasoline Range)	mg/l	< 0.0500	1.03	1.00	103	43. - 150.	2120	05-A5174
TPH (Diesel Range)	mg/l	< 0.050	0.722	1.00	72	35. - 124.	1806	blank
TPH (Diesel Range)	mg/l	< 0.050	0.704	1.00	70	35. - 124.	1817	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				107	69 - 132	2119	
VOA PARAMETERS								
Benzene	mg/l	0.134	0.197	0.0500	126	62 - 143	5560	05-A4300
Benzene	mg/l	< 0.00025	0.0504	0.0500	101	62 - 143	5462	blank
Benzene	mg/l	< 0.00025	0.0568	0.0500	114	62 - 143	5249	blank
Toluene	mg/l	0.0184	0.0683	0.0500	100	63 - 141	5560	05-A4300
Toluene	mg/l	< 0.00017	0.0494	0.0500	99	63 - 141	5462	blank
Toluene	mg/l	< 0.00017	0.0555	0.0500	111	63 - 141	5249	blank

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	1.10	1.26	13.56	27.	2119
TPH (Gasoline Range)	mg/l	1.03	1.15	11.01	27.	2120
TPH (Diesel Range)	mg/l	0.722	0.712	1.39	36.	1806
TPH (Diesel Range)	mg/l	0.704	0.736	4.44	36.	1817
BTEX/GRO Surr., a,a,a-TFT	% Recovery		114.			2119
VOA PARAMETERS						
Benzene	mg/l	0.197	0.195	1.02	27.	5560
Benzene	mg/l	0.0504	0.0504	0.00	27.	5462
Benzene	mg/l	0.0568	0.0532	6.55	27.	5249
Toluene	mg/l	0.0683	0.0672	1.62	34.	5560
Toluene	mg/l	0.0494	0.0508	2.79	34.	5462
Toluene	mg/l	0.0555	0.0516	7.28	34.	5249

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VOA Surr 1,2-DCA-d4	% Rec	93.	5462
VOA Surr 1,2-DCA-d4	% Rec	95.	5249
VOA Surr Toluene-d8	% Rec	95.	5462
VOA Surr Toluene-d8	% Rec	97.	5249
VOA Surr, 4-BFB	% Rec	87.	5462
VOA Surr, 4-BFB	% Rec	86.	5249
VOA Surr, DBFM	% Rec	94.	5462
VOA Surr, DBFM	% Rec	95.	5249

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	1.00	0.995	100	64 - 130	2119
TPH (Gasoline Range)	mg/l	1.00	0.917	92	64 - 130	2120
TPH (Gasoline Range)	mg/l	1.00	1.06	106	64 - 130	4659
BTEX/GRO Surr., a,a,a-TFT	% Recovery			110	69 - 132	2119
BTEX/GRO Surr., a,a,a-TFT	% Recovery			117	69 - 132	4659
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.743	74	41 - 120	1806
TPH (Diesel Range)	mg/l	1.00	0.672	67	41 - 120	1817
VOA PARAMETERS						
Ethyl-t-butylether	mg/l	0.0500	0.0517	103	67 - 140	5560
Ethyl-t-butylether	mg/l	0.0500	0.0570	114	67 - 140	5462
Ethyl-t-butylether	mg/l	0.0500	0.0560	112	67 - 140	5249
tert-amyl methyl ether	mg/L	0.0500	0.0494	99	68 - 134	5560
tert-amyl methyl ether	mg/L	0.0500	0.0566	113	68 - 134	5462
tert-amyl methyl ether	mg/L	0.0500	0.0540	108	68 - 134	5249
Tertiary butyl alcohol	mg/l	0.500	0.325	65	28 - 182	5560
Tertiary butyl alcohol	mg/l	0.500	0.381	76	28 - 182	5462
Tertiary butyl alcohol	mg/l	0.500	0.345	69	28 - 182	5249
Benzene	mg/l	0.0500	0.0530	106	78 - 123	5560
Benzene	mg/l	0.0500	0.0540	108	78 - 123	5462
Benzene	mg/l	0.0500	0.0538	108	78 - 123	5249
1,2-Dibromoethane	mg/l	0.0500	0.0474	95	72 - 135	5560
1,2-Dibromoethane	mg/l	0.0500	0.0585	117	72 - 135	5462
1,2-Dibromoethane	mg/l	0.0500	0.0577	115	72 - 135	5249
1,2-Dichloroethane	mg/l	0.0500	0.0534	107	73 - 130	5560
1,2-Dichloroethane	mg/l	0.0500	0.0540	108	73 - 130	5462

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Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,2-Dichloroethane	mg/l	0.0500	0.0555	111	73 - 130	5249
Ethylbenzene	mg/l	0.0500	0.0567	113	80 - 124	5462
Ethylbenzene	mg/l	0.0500	0.0560	112	80 - 124	5249
Ethylbenzene	mg/l	0.0500	0.0538	108	80 - 124	5586
Toluene	mg/l	0.0500	0.0487	97	77 - 124	5560
Toluene	mg/l	0.0500	0.0546	109	77 - 124	5462
Toluene	mg/l	0.0500	0.0535	107	77 - 124	5249
Xylenes (Total)	mg/l	0.150	0.166	111	81 - 124	5462
Xylenes (Total)	mg/l	0.150	0.165	110	81 - 124	5249
Xylenes (Total)	mg/l	0.150	0.168	112	81 - 124	5586
Methyl-t-butyl ether	mg/l	0.0500	0.0474	95	69 - 136	5560
Methyl-t-butyl ether	mg/l	0.0500	0.0529	106	69 - 136	5462
Methyl-t-butyl ether	mg/l	0.0500	0.0524	105	69 - 136	5249
Ethanol	mg/L	5.00	4.32	86	48 - 164	5560
Ethanol	mg/L	5.00	5.33	107	48 - 164	5462
Ethanol	mg/L	5.00	4.57	91	48 - 164	5249
Diisopropyl ether	mg/l	0.0500	0.0541	108	65 - 140	5560
Diisopropyl ether	mg/l	0.0500	0.0561	112	65 - 140	5462
Diisopropyl ether	mg/l	0.0500	0.0561	112	65 - 140	5249
VOA Surr 1,2-DCA-d4	% Rec			91	73 - 127	5462
VOA Surr 1,2-DCA-d4	% Rec			94	73 - 127	5249
VOA Surr 1,2-DCA-d4	% Rec			101	73 - 127	5586
VOA Surr Toluene-d8	% Rec			96	79 - 113	5462
VOA Surr Toluene-d8	% Rec			95	79 - 113	5249
VOA Surr Toluene-d8	% Rec			104	79 - 113	5586
VOA Surr, 4-BFB	% Rec			88	79 - 125	5462
VOA Surr, 4-BFB	% Rec			89	79 - 125	5249
VOA Surr, 4-BFB	% Rec			78	79 - 125	5586
VOA Surr, DBFM	% Rec			94	75 - 134	5462
VOA Surr, DBFM	% Rec			94	75 - 134	5249
VOA Surr, DBFM	% Rec			93	75 - 134	5586

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Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TPH (Gasoline Range)	< 0.0500	mg/l	2119	1/18/05	19:39
TPH (Gasoline Range)	< 0.0500	mg/l	2120	1/19/05	8:22
TPH (Gasoline Range)	< 0.0500	mg/l	4659	1/19/05	23:23
TPH (Diesel Range)	< 0.050	mg/l	1806	1/15/05	16:52
TPH (Diesel Range)	< 0.050	mg/l	1817	1/15/05	12:28
BTEX/GRO Surr., a,a,a-TFT	109.	% Recovery	2119	1/18/05	19:39
BTEX/GRO Surr., a,a,a-TFT	87.	% Recovery	4659	1/19/05	23:23
VOA PARAMETERS					
Ethyl-t-butylether	< 0.00027	mg/l	5560	1/17/05	2:17
Ethyl-t-butylether	< 0.00027	mg/l	5462	1/19/05	14:11
Ethyl-t-butylether	< 0.00027	mg/l	5249	1/20/05	1:16
tert-amyl methyl ether	< 0.00030	mg/L	5560	1/17/05	2:17
tert-amyl methyl ether	< 0.00030	mg/L	5462	1/19/05	14:11
tert-amyl methyl ether	< 0.00030	mg/L	5249	1/20/05	1:16
Tertiary butyl alcohol	< 0.00428	mg/l	5560	1/17/05	2:17
Tertiary butyl alcohol	< 0.00428	mg/l	5462	1/19/05	14:11
Tertiary butyl alcohol	< 0.00428	mg/l	5249	1/20/05	1:16
Benzene	< 0.00025	mg/l	5560	1/17/05	2:17
Benzene	< 0.00025	mg/l	5462	1/19/05	14:11
Benzene	< 0.00025	mg/l	5249	1/20/05	1:16
1,2-Dibromoethane	< 0.00023	mg/l	5560	1/17/05	2:17
1,2-Dibromoethane	< 0.00023	mg/l	5462	1/19/05	14:11
1,2-Dibromoethane	< 0.00023	mg/l	5249	1/20/05	1:16
1,2-Dichloroethane	< 0.00039	mg/l	5560	1/17/05	2:17
1,2-Dichloroethane	< 0.00039	mg/l	5462	1/19/05	14:11
1,2-Dichloroethane	< 0.00039	mg/l	5249	1/20/05	1:16

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Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Ethylbenzene	< 0.00019	mg/l	5462	1/19/05	14:11
Ethylbenzene	< 0.00019	mg/l	5249	1/20/05	1:16
Ethylbenzene	< 0.00019	mg/l	5586	1/20/05	12:50
Toluene	< 0.00017	mg/l	5560	1/17/05	2:17
Toluene	< 0.00017	mg/l	5462	1/19/05	14:11
Toluene	< 0.00017	mg/l	5249	1/20/05	1:16
Xylenes (Total)	< 0.00033	mg/l	5462	1/19/05	14:11
Xylenes (Total)	< 0.00033	mg/l	5249	1/20/05	1:16
Xylenes (Total)	< 0.00033	mg/l	5586	1/20/05	12:50
Methyl-t-butyl ether	< 0.00023	mg/l	5560	1/17/05	2:17
Methyl-t-butyl ether	< 0.00023	mg/l	5462	1/19/05	14:11
Methyl-t-butyl ether	< 0.00023	mg/l	5249	1/20/05	1:16
Ethanol	< 0.0307	mg/L	5560	1/17/05	2:17
Ethanol	< 0.0307	mg/L	5462	1/19/05	14:11
Ethanol	< 0.0307	mg/L	5249	1/20/05	1:16
Diisopropyl ether	< 0.00018	mg/l	5560	1/17/05	2:17
Diisopropyl ether	< 0.00018	mg/l	5462	1/19/05	14:11
Diisopropyl ether	< 0.00018	mg/l	5249	1/20/05	1:16
VOA Surr 1,2-DCA-d4	99.	% Rec	5462	1/19/05	14:11
VOA Surr 1,2-DCA-d4	94.	% Rec	5249	1/20/05	1:16
VOA Surr 1,2-DCA-d4	107.	% Rec	5586	1/20/05	12:50
VOA Surr Toluene-d8	101.	% Rec	5462	1/19/05	14:11
VOA Surr Toluene-d8	93.	% Rec	5249	1/20/05	1:16
VOA Surr Toluene-d8	101.	% Rec	5586	1/20/05	12:50
VOA Surr, 4-BFB	88.	% Rec	5462	1/19/05	14:11
VOA Surr, 4-BFB	98.	% Rec	5249	1/20/05	1:16
VOA Surr, 4-BFB	89.	% Rec	5586	1/20/05	12:50
VOA Surr, DBFM	93.	% Rec	5462	1/19/05	14:11
VOA Surr, DBFM	95.	% Rec	5249	1/20/05	1:16
VOA Surr, DBFM	94.	% Rec	5586	1/20/05	12:50

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 402843

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM

BC# 402843

Client Name : ERI

Cooler Received/Opened On: 1/13/05 **Accessioned By:** James D. Jacobs

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 5 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO....NA
   a. If yes, how many and where: 1 Front
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...NA
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

    6298, 6380, 6368, 6184, 6390, 6379

    Fed-Ex UPS Velocity DHL Route Off-street Misc.
19. If a Non-Conformance exists, see attached or comments below:

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177

402843

Nashville Division

2960 Foster Creightc...

Nashville, TN 37204

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 N McDowell Blvd
City/State/Zip: Petaluma, CA
Project Manager James Chappell
Telephone Number: (707) 766-2090
ERI Job Number: 2101 1316600
Sampler Name: (Print) Vicki Burns, Dan Persons, David Daniels
Sampler Signature: Vicki Burns

ExxonMobil PM Jennifer Sedlachek
Telephone Number (510) 547-8196
Account #: 10228
PO #: 4204239069
Facility ID # 7-0277
Global ID# T0609700537
Site Address 1101 Yulupa Avenue
City, State Zip Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT
☐ 24 hour ☐ 72 hour
☐ 48 hour ☐ 96 hour
☑ 8 day

PROVIDE:
EDF Report

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8260B	Ethanol 8260B	Oxygenates 8260B					
MW5	1/10/05	1705			HCL	6/2	X			X	X	X	X	X	X		43	00		
MW6	1/10/05	1550			HCL	6/2	X			X	X	X	X	X	X			01		
MW7	1/10/05	1635			HCL	6/2	X			X	X	X	X	X	X			02		
MW8	1/10/05	1650			HCL	6/2	X			X	X	X	X	X	X			03		
MW9	1/10/05	1620			HCL	6/2	X			X	X	X	X	X	X			04		
MW10	1-11-05	1711			HCL	6/2	X			X	X	X	X	X	X			05		
MW11	1/10/05	1605			HCL	6/2	X			X	X	X	X	X	X			06		
MW12	1/10/05	1550			HCL	6/2	X			X	X	X	X	X	X			07		
MW13	1-11-05	1653			HCL	6/2	X			X	X	X	X	X	X			08		
MW15	1-11-05	1737			HCL	6/2	X			X	X	X	X	X	X			09		
MW16	1-11-05	1754			HCL	6/2	X			X	X	X	X	X	X			10		
MW17	1/10/05	1535			HCL	6/2	X			X	X	X	X	X	X		43	11		

Relinquished by: Vicki Burns Date 1-12-05 Time 1115

Received by: Time

Relinquished by: Date Time

Received by TestAmerica: Date 1/13/05 Time 800

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Yes
VOAs Free of Headspace? Yes

CHAIN OF CUSTODY RECORD

TestAmerica INCORPORATED

(615) 726-0177
Nashville Division
2960 Foster Creighton
Nashville, TN 37204

402843

ExxonMobil

Consultant Name: Environmental Resolutions, Inc.
Address: 601 N McDowell Blvd
City/State/Zip: Petaluma, CA
Project Manager: James Chappell
Phone Number: (707) 766-2090
ERI Job Number: 2101 1316600
Sampler Name: (Print) Vborns, dpursons, ddaniels
Sampler Signature: Vicki Burns

ExxonMobil PM: Jennifer Sedlachek
Telephone Number: (510) 547-8196
Account #: 10228
PO #: 4204239069
Facility ID #: 7-0277
Global ID#: T0609700537
Site Address: 1101 Yulupa Avenue
City, State Zip: Santa Rosa, California,

Shipping Method: ☐ Lab Courier ☐ Hand Deliver ☑ Commercial Express ☐ Other:

TAT: ☐ 24 hour ☐ 72 hour ☐ 48 hour ☐ 96 hour ☑ 8 day

PROVIDE: EDF Report

Special Instructions:

Sample ID / Description	DATE	TIME	COMP	GRAB	PRESERV	NUMBER	Matrix: Water	Soil	Vapor	TPHd 8015B	TPHg 8015B	BTEX 8260B	MTBE 8260B	Ethanol 8260B	Oxygenates 8260B	VOCs 8260B	Oxygenates 524.2	BTEX 524.2	MTBE 524.2	HOLD
MW18	1/10/05	1720			HCL	6/2	X			X	X	X	X	X	X		43	12		
MW19	1-11-05	1601			HCL	6/2	X			X	X	X	X	X	X			13		
MW5C		1622			HCL	6/2	X			X	X	X	X	X	X			14		
MW20A		1705			HCL	6/2	X			X	X	X	X	X	X			15		
MW20C		1720			HCL	6/2	X			X	X	X	X	X	X			16		
MW21A		1610			HCL	6/2	X			X	X	X	X	X	X			17		
MW21B		1625			HCL	6/2	X			X	X	X	X	X	X			18		
MW21C		1640			HCL	6/2	X			X	X	X	X	X	X			19		
MW22		1750			HCL	6/2	X			X	X	X	X	X	X			20		
QCBB		1520			HCL	3/1	X			X	X						43	21		X

Relinquished by:	Date	Time	Received by:	Time
Vicki Burns	1-11-05	1115		
Relinquished by:	Date	Time	Received by TestAmerica:	Time
				1/13/05 800

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Yes
VOAs Free of Headspace? Yes