Chevron

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RE: Chevron Service Station # - 211253

Address 930 Springtown Blvd., Livermore

I have reviewed the attached report dated August 13, 2008.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates (CRA) upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code section 13267(b) (1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Ian Robb

Attachment: Report

CONESTOGA-ROVERS
& ASSOCIATES

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August 13, 2008

Mr. Jerry Wickham
Alameda County Environmental Health Services (ACEHS)
1131 Harbor Bay Parkway
Alameda, CA 94502

Re: **Subsurface Investigation Report**
Former Texaco Service Station (Chevron Site # 21-1253)
930 Springtown Boulevard
Livermore, CA

Dear Mr. Wickham:

Conestoga-Rovers & Associates, Inc. (CRA) prepared this *Subsurface Investigation Report* on behalf of Chevron Environmental Management Company (Chevron) in response to ACEHS letters dated January 31, May 3 and December 21, 2007 (Attachment A). This report presents several phases of investigation, including the first phase presented in CRA's December 19, 2007 *Subsurface Investigation Report*. The objective of this investigation was to evaluate potential preferential pathways and the dissolved plume extent for re-evaluation for case closure. To meet this objective, CRA advanced seven Cone Penetrometer Test (CPT) borings; three on-site and four off-site. A summary of the site background, previous investigations, and CRA's activities is presented below.

SITE BACKGROUND

Site Background: The site is a former Texaco service station located on the corner of Springtown Boulevard and Lassen Road in Livermore, California (Figure 1). In the summer of 1985, the Texaco sold the site and the underground storage tanks (USTs) and product lines were removed concurrent with the construction of a 7-Eleven convenience store on the site. The site is still occupied by a 7-Eleven convenience store, surrounded by a paved parking area (Figure 2).

PREVIOUS ENVIRONMENTAL WORK

1984 Initial Investigation: In September 1984, J.H. Kleinfelder and Associates (Kleinfelder) discovered approximately 1-inch of non-aqueous phase liquid hydrocarbons near the tank pit area. No additional information from this report is available.

1985 Hydrocarbon Investigation and UST/Product Line Removal: Groundwater Technology Incorporated (GTI) installed monitoring wells MW-1 through MW-4 around the tank pit area to assess the extent of hydrocarbons detected by Kleinfelder. Groundwater monitoring wells MW-A and MW-B were installed prior to

this investigation, but no reports on well installation were found. GTI also observed UST and piping removal and collected soil samples beneath the USTs and product lines during the decommissioning of the Texaco station. Low hydrocarbon concentrations were detected in soil from the tank pit area (a maximum of 3.2 milligrams/kilogram (mg/kg) total petroleum hydrocarbons as gasoline (TPHg) and 0.58 mg/kg benzene). This indicates that the hydrocarbon release probably resulted from a product line leak or tank over filling rather than from a UST leak. GTI conducted a ½-mile well survey through the Alameda Flood Control and Water Conservation District; no registered water supply wells were identified. A sensitive receptor survey did not identify any other sensitive receptors near the site.

1987 Monitoring Well Installation: In March 1987, GTI installed wells MW-5 and MW-6. The highest hydrocarbon concentrations detected in soil were 2.1 mg/kg TPHg and 0.030 mg/kg benzene from MW-5 at 14 feet below grade (fbg). The new wells were surveyed and GTI began monthly monitoring of groundwater levels at the site.

1990 Additional Site Assessment: In April 1990, GTI advanced four soil borings, two of which were converted to monitoring wells MW-7 and MW-8. No soil results from this report are available. The highest TPHg and benzene concentrations were detected in wells MW-A and MW-B nearest the former USTs (up to 39,000 micrograms per liter (µg/L) TPHg and 2,700 µg/L benzene). No hydrocarbons were detected in wells MW-1, MW-4, MW-7 and MW-8.

1993 Extraction Well Installation and Feasibility Testing: In January 1993, Weiss Associates (WA) advanced soil borings B-1 and B-2, and installed groundwater extraction well EW-1, vapor extraction well VE-1, and air sparge well SP-1. The highest hydrocarbon concentration detected in soil was 1,200 mg/kg TPHg, just below the water table at 14.4 fbg in boring B-1. WA developed, sampled and conducted a 24 hour aquifer test on EW-1. WA expected the extraction well to capture most of the dissolved hydrocarbons in the groundwater beneath the site. Due to its placement in coarse-grained channel deposits, WA also expected EW-1 to mitigate off-site migration of hydrocarbons. WA also conducted a vapor extraction test on vapor extraction well VE-1, groundwater extraction well EW-1, and existing monitoring wells MW-A, MW-B and MW-5. WA concluded that soil vapor extraction (SVE) could effectively remove vapors from a majority of the impacted areas. WA conducted an air sparging test from the air sparge well SP-1 and vapor extraction wells VE-1, and concluded that air sparging with vapor extraction would effectively remove hydrocarbons from saturated sediments.

1994 Remediation System Start-Up: GTI started operation of an SVE system in November 1994. GTI's March 1995 report diagrams the remediation system and presents startup testing and sampling activities.

1996 Well Destruction Report: In February 1996, Kaprealian Engineering Incorporated (KEI) decommissioned monitoring wells MW-6 and MW-7 by overdrilling to the maximum depth of 25 fbg, then backfilling the borings with grout.

1997 Tier 2 RBCA Input Summary: In December 1997, KEI submitted a summary of the input parameters to be used for a subsequent Tier 2 Risk-Based Corrective Action (RBCA) analysis, including subsurface soil and groundwater sample analytic results.

2001 RBCA Vadose Zone Investigation and RBCA Analysis: In August 2001, KHM Environmental Management (KHM) submitted a RBCA analysis indicating that current conditions did not pose a threat to human health or the environment and no further active remediation was required. Their analysis was based on soil and soil vapor sample results collected in June 2001. In September 2001, KHM prepared an addendum in response to comments received by email from ACEHS.

2001 Closure Request: In December 2001, KHM submitted a case closure request summarizing the site background and conditions.

2003 Well Destruction Report: In December 2002, KHM decommissioned all on-site and off-site wells (MW-1 through MW-5, MW-A, MW-B, EW-1, VE-1, and SP-1) by pressure grouting with approval from the ACEHS.

CURRENT INVESTIGATION

To investigate potential preferential pathways and to define the down-gradient hydrocarbon plume extent for re-evaluation for case closure, CRA advanced CPT borings CPT1 through CPT7 at the locations identified on Figure 2. Borings were located a minimum of 5 feet from known utilities and were advanced to approximately 50 fbg. Soil and water samples were collected from each boring and submitted for laboratory analysis. The investigation procedures and results are presented below.

Borings Advanced: CRA staff geologists advanced CPT1, CPT2, CPT3, CPT5, CPT6 and CPT7 between November 19, 2007 and April 9, 2008 and CPT4 on July 14, 2008 under the supervision of California Professional Geologist N. Scott MacLeod, PG #5747. The borings were back-filled with Portland type I/II grout using a tremie pipe, then patched to match the existing surface.

Permits: Work was performed under Zone 7 Water District Permit Nos. 27176 and 28092 (Attachment B).

Drilling Company: Gregg Drilling and Testing, Inc. (C57 License No. 485165)

Utility Clearance: CRA contacted Underground Service Alert (USA) to mark known utilities around proposed CPT boring locations and hired a private utility locating company to check for additional subsurface utilities. The first eight feet of each CPT boring were pre-cleared using hand augers.

Soil Sampling: Soil samples were collected at five foot intervals in on-site borings CPT1, CPT2 and CPT7. One soil sample was collected in the vadose zone from off-site borings CPT3 through CPT6. Some planned soil

Soil Sampling: Soil samples were collected at five foot intervals in on-site borings CPT1, CPT2 and CPT7. One soil sample was collected in the vadose zone from off-site borings CPT3 through CPT6. Some planned soil samples could not be collected due to extremely hard lithology that would damage sampling equipment on the CPT rig. Soil samples were screened for organic vapors using a photoionization detector (PID). Samples were properly sealed, labeled, stored on ice and submitted under chain of custody to Lancaster Laboratories in Lancaster, Pennsylvania.

Water Sampling: Grab-groundwater samples were collected at first encountered groundwater, at coarse-grained intervals where noted on the CPT graphic logs, and at the bottom of the borings. Samples were collected using a hydro-punch and bailer. Three groundwater samples were collected from borings CPT1, CPT2, CPT3 and CPT5. In borings CPT4, CPT6 and CPT7 only two of the three attempted sample intervals produced sufficient groundwater for laboratory analysis. Boring and CPT logs are presented in Attachment C.

Chemical Analysis: Soil and groundwater samples were analyzed for the following:

- TPHg by modified EPA Method 8015M; and
- Benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), 1,2-dibromoethane (EDB), and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B.

Table 1 summarizes the soil analytic results and Table 2 summarizes the groundwater analytic results. Soil analytic reports are included as Attachment D. Groundwater analytic reports are included as Attachment E.

Sediment Lithology: Sediments encountered on-site include silts with clay and silty clay from the surface to approximately 10 fbg. These are underlain by interbedded gravelly sands, sands, silty sands, and cemented lithologies of varying thicknesses. Sandy silts and clayey silts underlie the sands to 50 fbg (the total depth explored). Off-site, silts with clay and silty clay were encountered from the surface to approximately 28 fbg. These are underlain by interbedded gravelly sands, sands, silty sands, sandy silts, clayey silts and cemented lithologies of varying thicknesses to the maximum explored depths.

Investigation Derived Waste: Soil cuttings and rinsate water generated during this investigation were stored on-site in a sealed and labeled DOT-approved drum. Waste generated from this investigation has been profiled and will be removed from the site and transported to an appropriate Chevron-approved facility.

DISTRIBUTION OF PETROLEUM HYDROCARBONS IN SOIL AND GROUNDWATER

Hydrocarbons in Soil: TPHg was detected at a maximum concentration of 1,700 mg/kg in CPT7 at 10.5 fbg. The maximum benzene concentration of 2.5 mg/kg was detected in CPT7 at 10.5 fbg. TPHg and BTEX concentrations

were above Environmental Screening Limits (ESLs)[1] at several depths in boring CPT7. No TPHg or BTEX were detected in soil from CPT2 through CPT6. No fuel oxygenates, including MTBE, were detected in any boring.

Hydrocarbons in Groundwater: Maximum hydrocarbon concentrations of 160,000 µg/L TPHg, 4,200 µg/L benzene, 20,000 µg/L toluene, 1,700 µg/L ethylbenzene and 15,000 µg/L xylene were detected in CPT1 at 24 fbg. Groundwater from CPT7 at 42 fbg also contained 11,000 µg/L TPHg at and 2,100 µg/L xylenes. Except for minor EDB concentrations (a maximum of 4.0 µg/L), no MTBE or other fuel oxygenates were detected in any of the borings.

CONCLUSIONS AND RECOMMENDATIONS

In the letter on January 31, 2007, ACEHS stated there were several data gaps that needed to be addressed prior to re-evaluation for case closure. CPT1, CPT2 and CPT7 investigated the on-site plume both vertically and horizontally. CPT3 through CPT6 investigate potential preferential pathways to the northwest of the site.

Based on current analytical results, the plume is still limited on-site to the northern property boundary, near the former UST pit and dispenser island.

Soil samples were collected on-site every 5 feet for vertical definition of the plume. Hydrocarbons in soil are vertically defined by CPT1 and CPT7 with no hydrocarbons detected above ESLs below 41 fbg. No TPHg or BTEX were detected in soil from CPT2. No MTBE was detected in any soil sample. Soil analytic data are compared to ESLs in Table 1. Hydrocarbon concentrations greater than ESLs are shown in bold.

Multiple grab-groundwater samples were collected from each boring to investigate current hydrocarbon concentrations in groundwater. On-site borings CPT1 and CPT7 contained hydrocarbon concentrations above the TPHg and benzene ESLs as deep as 42 fbg. No MTBE was detected in any groundwater sample. Although concentrations are similar to those detected in on-site wells prior to their destruction, grab-groundwater samples are often one to two orders of magnitude higher than stabilized groundwater monitoring well samples. Two off-site borings had detections of TPHg above ESLs: CPT3 at 1,500 µg/L at 26 fbg and CPT5 at 200 µg/L at 28.5fbg. Benzene was detected at 1.0 µg/L in CPT3 at 26 fbg and xylenes at 31 µg/L in CPT5 at 28.5 fbg. Groundwater analytic data are compared to ESLs in Table 2. Hydrocarbon concentrations greater than ESLs are shown in bold.

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1 Environmental Screening Levels (ESLs) for groundwater is a current or potential source of drinking water *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* Interim Final November 2007 revised May 2008 by the California Regional Water Quality Control Board, San Francisco Bay Region, Table A and B.

A sandy zone was encountered on-site between 8 and 33 fbg in CPT1, CPT2, and CPT7. Sands were encountered off-site from 26 to 32 fbg in CPT3, from 28 to 32 fbg and below 44 fbg in CPT6, and below 33 fbg in CPT4 and CPT 5. There appears to be no preferential pathway, including hydraulically connected channel deposits, extending northwest from the site.

Based on the above data, all technical comments in the ACEHS letter dated January 31, 2007 regarding data gaps have been addressed. In a letter dated March 8, 2002, ACEHS and the San Francisco Regional Water Control Board (RWQCB-SFBR) concurred that no further action was needed at the site and all groundwater monitoring wells associated with the site should be destroyed. As requested, all monitoring wells were decommissioned in December 2002. The KHM January 7, 2003 *Well Destruction Report* is presented as Attachment F.

Current site conditions are similar to conditions upon which ACEHS and RWQCB-SFBR originally based their no further action determination. The KHM December 10, 2001 *Request for Closure* is presented as Attachment G. Therefore, on behalf of Chevron, CRA requests that a remedial action completion certificate be issued and a signed case closure summary be finalized.

CLOSING

We appreciate the opportunity to work with you on this project. Please contact Charlotte Evans at (510) 420-3351 or Ian Robb at (925) 543-2375 if you have any questions or comments regarding this work.

Sincerely,
Conestoga-Rovers & Associates

Charlotte Evans

N. Scott MacLeod, PG #5747

PROFESSIONAL GEOLOGIST
SCOTT MacLEOD
No. 5747
STATE OF CALIFORNIA

Figures: 1 – Site Vicinity Map
2 – Site Plan

Tables: 1 – Analytic Results for Soil
2 – Analytic Results for Groundwater

Attachments: A – Regulatory Correspondence
B – Permits
C – Boring and CPT logs
D – Soil Analytic Reports
E – Groundwater Analytic Reports
F – KHM Environmental Management, Inc. Well Destructions Report
G – KHM Environmental Management, Inc. Request for Closure

cc: Mr. Ian Robb, Chevron Environmental Management Company, 6111 Bollinger Canyon Road, Room 3612, San Ramon, CA 94583
Mr. Ken Hilliard, Manager, Environmental Services, 7-Eleven, Inc., One Arts Plaza, 1722 Routh St. Ste. 1000, Dallas, TX 75201
Mr. Kirk F. Sniff, Strasburger & Price, LLP, 901 Main St., Ste 4400, Dallas, TX 75202
Alameda County Database
Geotracker Database

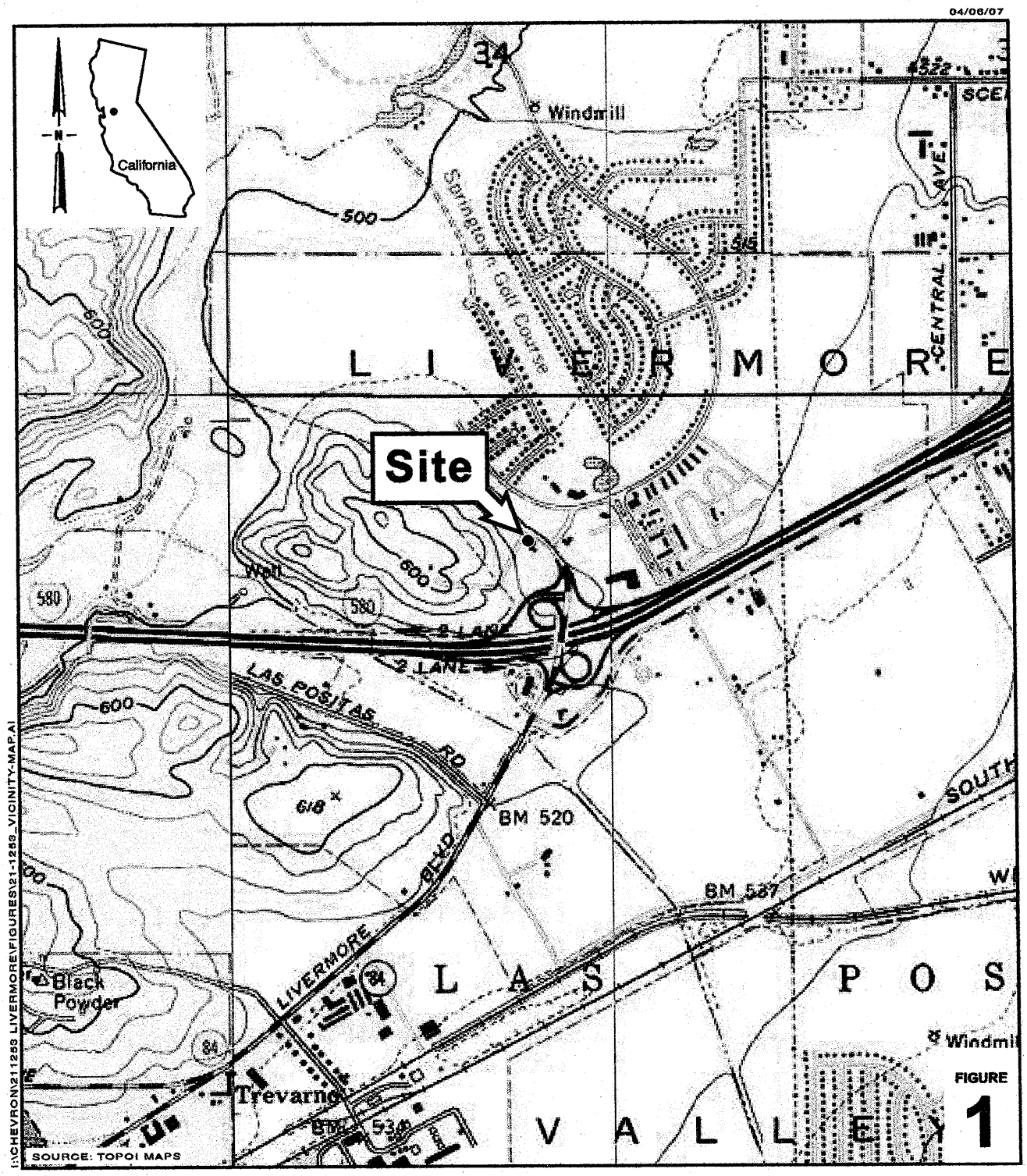


FIGURE **1**

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Texaco Service Station

930 Springtown Boulevard

Livermore, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

08/12/08

EXPLANATION

- MW-1 ⊠ Destroyed monitoring well location
- CPT1 ◉ CPT boring location
- Storm Drain line
- Sanitary Sewer line
- Water line
- Gas line
- Communications line

CPT3
CPT6
CPT5
CPT4
MW-4
MW-8
SPRINGTOWN BOULEVARD
MW-6
MW-5
planter
CPT2
MW-A
EW-1
VE-1
SP-1
CPT1
CPT7
MW-B
former dispenser island
MW-3
former USTs
MW-2
MW-1
LASSEN ROAD
planter
MW-7
7-11 Store
property line
planter

N

0 20 40 80

Scale (ft)

Basemap modified from Aerial Photograph

FIGURE

2

Site Plan

Former Texaco Service Station #21-1253

930 Springtown Boulevard

Livermore, California

CONESTOGA-ROVERS & ASSOCIATES

I:\CHEVRON\211253 LIVERMORE\FIGURES\21-1253_SITEPLAN.DWG

Table 1. Analytic Results for Soil - Former Texaco Service Station (Chevron station #21-1253), 930 Springtown Boulevard, Livermore, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	B	T	E	X	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Concentrations reported in milligrams per kilogram - mg/kg											
CPT1	11/21/07	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
CPT1	11/21/07	16	1.3	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT1	11/21/07	20	<1.0	**0.073**	0.002	0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
CPT1	11/21/07	30	59	**0.61**	2.8	0.42	**5.8**	<0.024	<0.048	<0.048	<0.048	<0.97	<0.048	<0.048
CPT1	11/21/07	37	16	0.004	0.56	0.39	0.3	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT1	11/21/07	41	**130**	0.043	1.1	0.52	**3.4**	<0.024	<0.049	<0.049	<0.049	<0.97	<0.049	<0.049
CPT1	11/21/07	45	1.8	0.004	0.059	0.018	0.13	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
CPT1	11/21/07	50	<1.0	0.0008	0.022	0.009	0.06	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
CPT2	11/19/07	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT2	11/19/07	10.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
CPT2	11/19/07	15.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
CPT2	11/19/07	20.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT2	11/19/07	30.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT2	11/19/07	35.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT2	11/19/07	40.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT2	11/19/07	45.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
CPT2	11/19/07	50.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT3	04/07/08	19.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT4	07/14/08	23.5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
CPT5	04/09/08	21.5	<1.0	<0.0005	<0.0009	<0.0009	<0.0009	<0.0005	<0.0009	<0.0009	<0.0009	<0.019	<0.0009	<0.0009
CPT6	11/19/07	5	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.021	<0.001	<0.001
CPT6	11/20/07	25	<1.0	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.019	<0.001	<0.001
CPT7	04/08/08	5	**510**	<0.026	<0.053	**3.6**	**16**	<0.026	<0.053	<0.053	<0.053	<1.1	<0.053	<0.053
CPT7	04/09/08	10.5	**1,700**	**2.5**	**20**	**14**	**70**	<0.025	<0.050	<0.050	<0.050	<0.99	<0.050	<0.050
CPT7	04/09/08	12	**510**	**0.28**	<0.050	2.8	1.4	<0.025	<0.050	<0.050	<0.050	<1.0	<0.050	<0.050
CPT7	04/09/08	17	**700**	**0.45**	**5.7**	**6**	**27**	<0.023	<0.046	<0.046	<0.046	<0.92	<0.046	<0.046
CPT7	04/09/08	20	**430**	**0.15**	**6.6**	**4.2**	**19**	<0.024	<0.049	<0.049	<0.049	<0.97	<0.049	<0.049
ESLs	Shallow Soils (C/I)		83	0.044	2.9	2.3	2.3	0.023	NE	NE	NE	NE	0.0045	0.00033
	Deep Soils		83	0.044	2.9	3.3	2.3	0.023	NE	NE	NE	NE	0.0045	0.00033

Table 1. Analytic Results for Soil - Former Texaco Service Station (Chevron station #21-1253), 930 Springtown Boulevard, Livermore, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	B	T	E	X	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Concentrations reported in milligrams per kilogram - mg/kg											
CPT7	04/09/08	25	53	0.039	1.6	2.4	**11**	<0.026	<0.052	<0.052	<0.052	<1.0	<0.052	<0.052
CPT7	04/09/08	30	82	**0.048**	0.6	0.5	2.2	<0.025	<0.049	<0.049	<0.049	<0.98	<0.049	<0.049
CPT7	04/09/08	35	16	<0.026	0.16	0.13	0.61	<0.026	<0.053	<0.053	<0.053	<1.1	<0.053	<0.053
CPT7	04/09/08	40	2.1	0.0007	0.031	0.049	0.24	<0.0005	<0.0009	<0.0009	<0.0009	<0.019	<0.0009	<0.0009
CPT7	04/09/08	42	3.7	0.005	0.037	0.046	0.2	<0.0005	<0.001	<0.001	<0.001	<0.020	<0.001	<0.001
CPT7	04/09/08	50.5	38	0.026	0.46	0.72	**3.3**	<0.026	<0.051	<0.051	<0.051	<1.0	<0.051	<0.051
CPT7	04/09/08	55	32	<0.026	0.52	0.83	**3.9**	<0.026	<0.052	<0.052	<0.052	<1.0	<0.052	<0.052
ESLs	Shallow Soils (C/I)		83	0.044	2.9	2.3	2.3	0.023	NE	NE	NE	NE	0.0045	0.00033
	Deep Soils		83	0.044	2.9	3.3	2.3	0.023	NE	NE	NE	NE	0.0045	0.00033

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

(TAME), tert-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB) by EPA Method 8260B

fbg = Feet below grade

<x = Not detected above method detection limit

NE = Not established

ESLs = Environmental Screening Levels for commercial and industrial shallow and deep soil Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater Interim Final November 2007 revised May 2008 by the California Regional Water Quality Control Board, San Francisco Bay Region, Table A and B.

Table 2. Analytic Results for Groundwater - Former Texaco Service Station (Chevron station #21-1253), 930 Springtown Boulevard, Livermore, California

Sample ID	Sample Interval (fbg)	Sample Date	TPHg	B	T	E	X	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Concentrations reported in micrograms per liter (µg/L)											
CPT1	16	11/26/07	**1,700**	**7.0**	**110**	21	**140**	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT1	24	11/26/07	**160,000**	**4,200**	**20,000**	**1,700**	**15,000**	<25	<25	<25	<25	<100	<25	<25
CPT1	34	11/26/07	**30,000**	**1,500**	**1,600**	**710**	**2,900**	<2	<2	<2	<2	<8	<2	<2
CPT2	16	11/20/07	<50	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT2	24	11/20/07	**2,000**	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT2	34	11/20/07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**4.0**
CPT3	26	04/07/08	**1,500**	**1.0**	1.0	<0.5	1.0	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT3	40	04/07/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT3	50	04/07/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT4	24	07/14/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT4	48	07/14/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT5	28.5	04/09/08	**200**	0.5	6.0	6.0	**31**	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT5	38	04/09/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT5	45	04/09/08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5
CPT6	32	11/20/07	94	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT6	48	11/20/07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT7	13	04/08/08	**3,600**	**21**	25	**47**	**110**	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	**0.8**
CPT7	43	04/08/08	**11,000**	**3.0**	**270**	**490**	**2,100**	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
ESLs	Drinking Water		100	1.0	40	30	20	5.0	NE	NE	NE	NE	0.5	0.05

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), diisopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), tert-butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB) by EPA Method 8260B

<x = Not detected above method detection limit

NE = Not established

ESLs = Environmental Screening Levels for groundwater is a current or potential source of drinking water Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater Interim Final November 2007 revised May 2008 by the California Regional Water Quality Control Board, San Francisco Bay Region, Table A and B.

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT A

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

January 31, 2007

Mr. Satya Sinha
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., K2256
San Ramon, CA 94583-2324

Environmental Manager
Southland Corporation
P.O. Box 711
Dallas, TX 75211

Subject: Fuel Leak Case No. RO0000189 and Geotracker Global ID T0600101353, Chevron #21-1253/Texaco, 930 Springtown Boulevard, Livermore, CA 94550

Dear Mr. Sinha:

I have been assigned as the caseworker for the above referenced case, which remains an open fuel leak case. Please send any future correspondence for this case to my attention. In correspondence dated March 8, 2002, Alameda County Environmental Health (ACEH) staff indicated that ACEH and the San Francisco Regional Water Quality Board had reviewed the case closure summary for this case and concurred that no further action related to the underground storage tank release is required at this time. The March 8, 2002 correspondence went on to request that the nine monitoring wells at the site be decommissioned, if they will no longer be monitored. The most recent correspondence in the case file is a March 11, 2003 letter from Ms. Karen Streich of ChevronTexaco, which indicates that monitoring wells at the site were destroyed and requests a remedial action completion certificate. No remedial action completion certificate appears to have been issued and a signed case closure summary is not in the files.

ACEH staff recently reviewed the case file for the above referenced site and find that the existing data do not support case closure. We have identified several data gaps in the technical comments below that are to be addressed prior to re-evaluating the site for case closure. Therefore, we request that you address the data gaps identified in the technical comments below and submit a Work Plan **by April 19, 2007.**

TECHNICAL COMMENTS

1. **Plume Extent and Preferential Pathways.** Previous reports appear to assume that the plume is limited in size to 0.1 acre along the northern property boundary. Based on our review of the contaminant distribution and site hydrogeology, it appears that the plume may extend northwest of the site. No monitoring wells were located northwest of the site to monitor the downgradient extent of the plume in that direction. Well MW-4 was located directly north of the site. However, an approximately 15-foot thick gravel zone encountered in the wells along the northern property boundary was not encountered in the boring for well

MW-4. It is also possible that the plume may have migrated preferentially through channel deposits. The possible presence of coarse-grained preferential pathways is supported by the results of an aquifer test conducted in well EW-1 in 1993. The largest drawdowns during the aquifer test were observed in wells MW-1 and MW-3, suggesting that the wells were in better hydraulic communication with extraction well EW-1 than other monitoring wells ("Extraction Well Installation and Feasibility Testing Report," by Weiss Associates dated January 5, 1993). The January 5, 1993 report interpreted the better hydraulic communication as an indication that," EW-1 may preferentially withdraw groundwater from a possible channel deposit." The potential for the plume to have migrated off-site to the northwest, possibly along a preferential pathway represents a data gap for the site. Therefore, we request that you propose a scope of work to evaluate potential plume migration to the northwest and along a preferential pathway such as channel deposits. The proposed scope of work is to include continuously logged soil borings or cone penetrometer borings. Depth-discrete grab groundwater sampling will be required.

2. **Vertical Extent of Contamination.** The deepest soil boring (SB-1) at the site extends to a maximum depth of 32 feet bgs. A moderate product odor was observed in the lowermost soil encountered in boring B-1. Based on the potential for downward migration of contamination at the site due to long-term water level fluctuations and the observation of fuel hydrocarbons at the lowest depths investigated, the vertical extent of contamination has not been defined. We request that you propose a scope of work in the Work Plan requested below to define the vertical extent of soil and groundwater contamination.

3. **Well Decommissioning.** The March 11, 2003 correspondence from ChevronTexaco references a letter from, "KHM Environmental Management, Inc. to Mr. Wyman Hong at Zone 7 Water Agency documenting destruction of the wells." Please submit to ACEH the documentation prepared by KHM Environmental Management, Inc. that documents the well decommissioning.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **April 19, 2007** – Work Plan

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public

information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

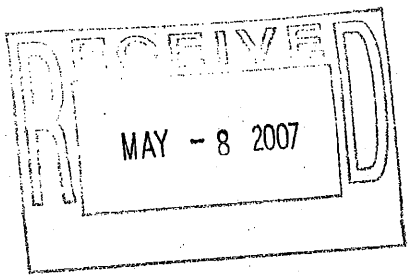
Sunil Ramdass
SWRCB Cleanup Fund
1001 I Street, 17th floor
Sacramento, CA 95814-2828

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 3, 2007



Mr. Satya Sinha
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., K2256
San Ramon, CA 94583-2324

Environmental Manager
Southland Corporation
P.O. Box 711
Dallas, TX 75211

Subject: Fuel Leak Case No. RO0000189 and Geotracker Global ID T0600101353, Chevron #21-1253/Texaco, 930 Springtown Boulevard, Livermore, CA 94550 – Work Plan Comments

Dear Mr. Sinha:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site, including the recently submitted document entitled, "Site Investigation Work Plan," dated April 18, 2007. The Work Plan proposes soil and groundwater sampling from cone penetration test (CPT) soil borings. We request that CPT soil borings be advanced at six locations and that the sampling methods be revised as discussed in the technical comments below. The proposed scope of work may be implemented provided that the technical comments below are addressed and incorporated during the proposed field investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Proposed Soil Boring Locations.** The Work Plan contains a discrepancy in the number of CPT soil borings proposed. The text in the first paragraph of the Proposed Scope of Work on page 3 and Figure 2 proposes five CPT borings; however, the text at the bottom of page 3 proposes six CPT borings (CPT-1 to CPT-6). In order to meet the objectives of defining plume extent laterally and vertically, we request that six CPT borings be advanced at the locations shown on the attached Revised Figure 2. Please present the results in the Subsurface Investigation Report requested below.

2. **Proposed Soil Sampling.** The Work Plan currently proposes the collection of soil samples every five feet starting from five feet bgs to total depth of the CPT borings. We concur with the proposed soil sampling at five-foot intervals for the two CPT borings requested on-site

(CP-1 and CP-2 on Revised Figure 2). For the four downgradient borings (CP-3 through CP-6) that are outside the potential source area, we are not requiring the collection of soil samples at five foot intervals for chemical analyses. We request that one soil sample be collected from the zone of water table fluctuation in borings CP-3 through CP-6. Please present the results in the Subsurface Investigation Report requested below.

3. **Grab Groundwater Sampling.** The Work Plan currently proposes the collection of three grab groundwater samples from each boring. We concur with the collection of one grab groundwater sample from first-encountered groundwater in each boring and request that the total number of grab groundwater samples collected from each boring be based upon the CPT log. A minimum of three grab groundwater samples is to be collected from each boring but that number is to be increased as necessary in order to sample each significant coarse-grained layer observed on the CPT logs. Please present the results in the Subsurface Investigation Report requested below.

4. **Proposed Laboratory Analyses.** The proposed analyses for soil and groundwater samples are acceptable.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **September 19, 2007** – Subsurface Investigation Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed

locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Attachment: Revised Figure 2

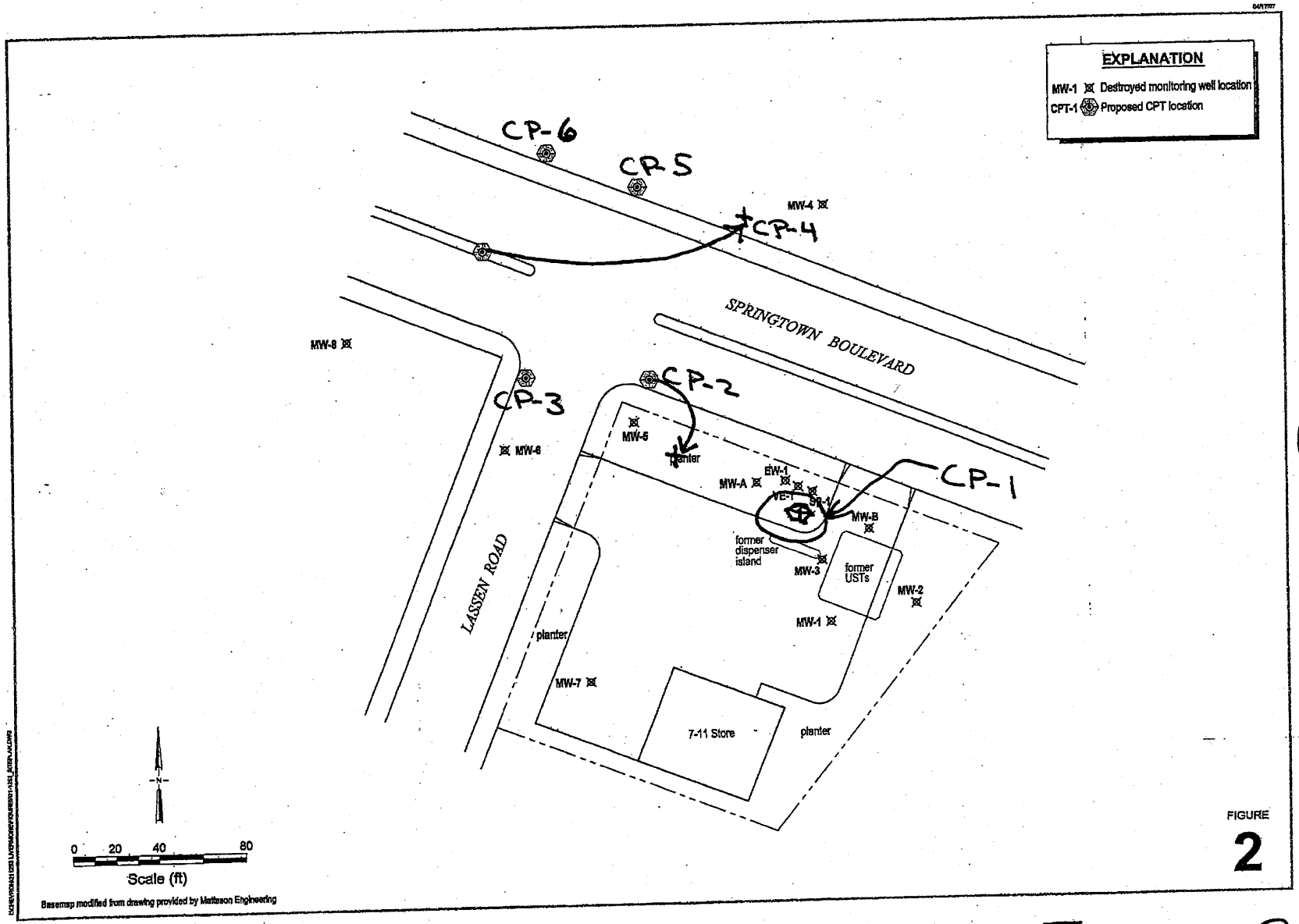
Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Charlotte Evans
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



Revised Figure 2

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 21, 2007

Mr. Ian Robb
Chevron Environmental Management Company
6001 Bollinger Canyon Rd., K2256
San Ramon, CA 94583-2324

Environmental Manager
Southland Corporation
P.O. Box 711
Dallas, TX 75211

Subject: Fuel Leak Case No. RO0000189 and Geotracker Global ID T0600101353, Chevron #21-1253/Texaco, 930 Springtown Boulevard, Livermore, CA 94550 – Work Plan Comments

Dear Mr. Robb:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site, including the recently submitted document entitled, "Subsurface Investigation Report," dated December 19, 2007. The report presents the results from three cone penetration test (CPT) soil borings. Soil and depth-discrete grab groundwater samples were collected from each of the three CPT borings. A total of six CPT soil borings were proposed for the investigation but three off-site CPT borings were not advanced due to access issues. Total petroleum hydrocarbons as gasoline (TPHg) and benzene were detected in groundwater at maximum concentrations of 160,000 and 4,200 micrograms per liter (µg/L), respectively.

The Subsurface Investigation Report indicates that proposed borings CPT-4 and CPT-5 will be advanced as soon as access issues are resolved and requests that proposed boring CPT-3 be eliminated due to potential safety issues associated with working in Springtown Boulevard. In order to address the concern with working in Springtown Boulevard, we request that CPT-3 be advanced in an off-site location that is further downgradient of the site as shown on Attachment 1-Sampling Locations for CPT Borings.

Boring locations CPT-1 and CPT-2 are generally further west than originally proposed. In order to evaluate the extent of contamination in the eastern portion of the site, we request that an additional boring, CPT-7, be advanced at the location shown on Attachment 1. For borings CPT-3 and CPT-7, please use the existing sampling protocols discussed in the, "Site Investigation Work Plan," dated April 18, 2007 and the technical comments in our May 3, 2007 correspondence for off-site and on-site CPT borings, respectively.

We request that you perform the proposed work and send us the reports described below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **May 9, 2008** – Subsurface Investigation Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Hazardous Materials Specialist

Attachment: Sampling Locations for CPT Borings

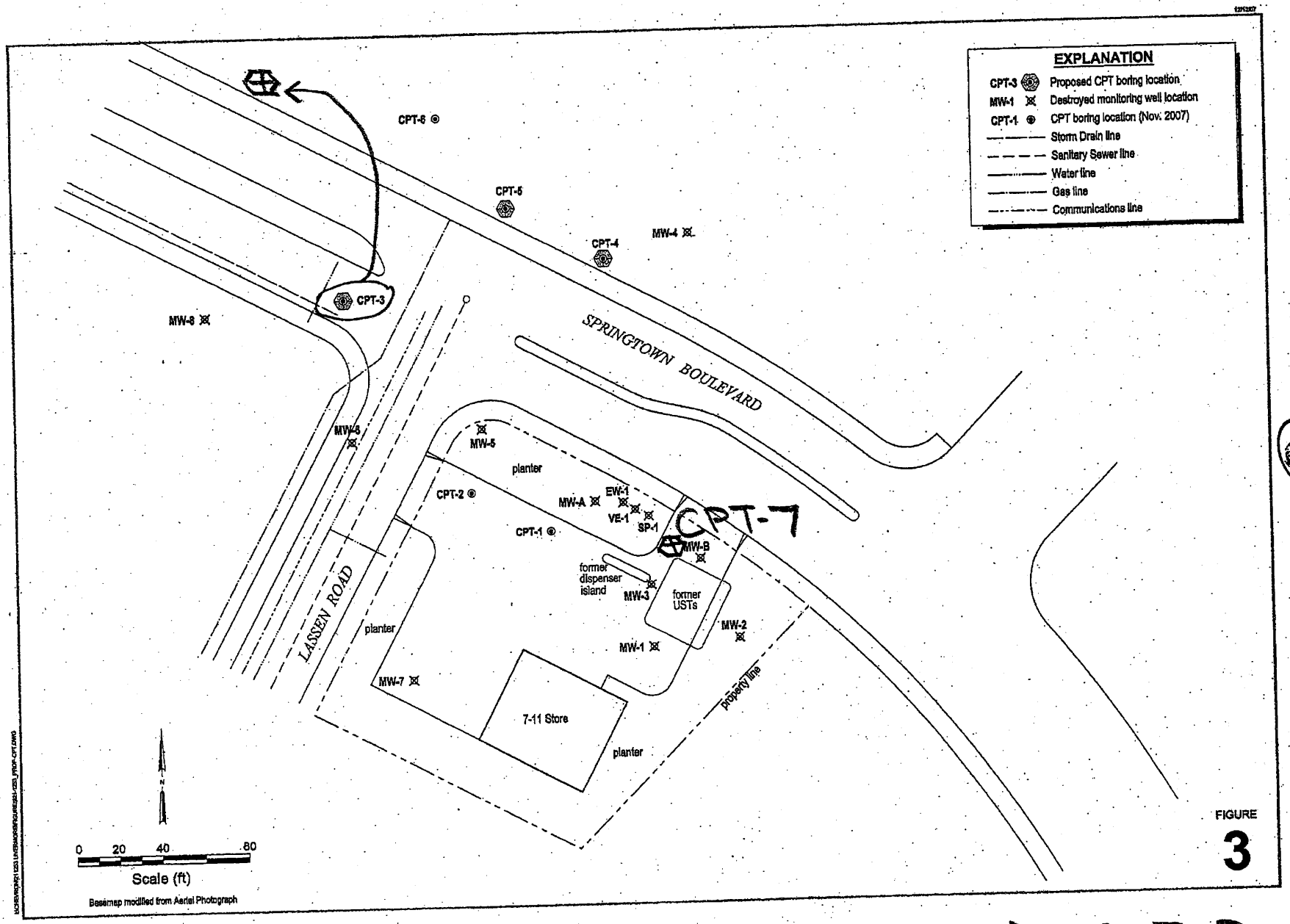
Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Robert Foss
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



Site Plan with Proposed CPT Locations

CONESTOGA-ROVERS & ASSOCIATES

Former Texaco Service Station #21-1253
930 Springtown Boulevard
Livermore, California

FIGURE
3

Attachment 1 - Sampling Locations For CPT Borings

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT B

Permits

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY. LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 930 Springtown Blvd
Livermore, CA

California Coordinates Source _____ ft. Accuracy _____ ft.
CCN _____ ft. CCE _____ ft.
APN 99-23-4

CLIENT
Name Chevron EMC
Address 6001 Bollinger Cyn Rd Phone _____
City San Ramon Zip 94583

APPLICANT
Name Cornerstone-Rogers + Associates
Email _____ Fax 510-420-9170
Address 5900 Hollis St Phone 510-420-0700
City Emeryville Zip 94608

TYPE OF PROJECT
Well Construction
Well Destruction
Cathodic Protection
Geotechnical Investigation
Contamination Investigation
Other _____

PROPOSED WELL USE
Domestic
Municipal
Industrial
Dewatering
Irrigation
Remediation
Groundwater Monitoring
Other Investigation

DRILLING METHOD:
Mud Rotary
Cable Tool
Air Rotary
Direct Push
Hollow Stem Auger
Other CPT

DRILLING COMPANY Gregg Drilling

DRILLER'S LICENSE NO 485165

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 6 Maximum
Hole Diameter _____ in. Depth 50 ft.

ESTIMATED STARTING DATE Nov 15, 2007
ESTIMATED COMPLETION DATE Dec 15, 2007

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Jeremy Gekov Date 10/11/07

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 27176
WELL NUMBER _____
APN 099-0023-004-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings

E CATHODIC Fill hole above anode zone with concrete placed by tremie

F WELL DESTRUCTION See attached.

(G.) SPECIAL CONDITIONS Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 10/12/07
Wyman Hong

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 900 BLUEBELL DRIVE.
(PART OF 930 SPRINGTOWN BLVD. INVEST.)
LIVERMORE, CA

Coordinates Source _____ ft. Accuracy _____ ft.
LAT _____ ft. LONG: _____ ft.
APN 99-23-4

CLIENT
Name CHEVRON EMC.
Address 6001 BOLLINGER CYN RD Phone _____
City SAN RAMON Zip 94583

APPLICANT
Name CONESTOGA-ROVERS & ASSOC., INC.
Email ihull@craworld.com Fax 510-420-9170
Address 5900 HOLLIS ST, STE A Phone 510-420-3344
City EMERYVILLE Zip 94608

TYPE OF PROJECT:

Well Construction	9	Geotechnical Investigation	9
Well Destruction	9	Contamination Investigation	9
Cathodic Protection	9	Other _____	9

PROPOSED WELL USE:

Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	Groundwater Monitoring	9
Dewatering	9	Other INVESTIGATION	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	Direct Push	9	Other CPT	9

DRILLING COMPANY GREGG DRILLING & TESTING
950 HOWE RD, MARTINEZ, 94553
DRILLER'S LICENSE NO. 485165
WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter NA in. Depth NA ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 1 Maximum
Hole Diameter 2 in. Depth 15 ft.

ESTIMATED STARTING DATE 7/10/2008
ESTIMATED COMPLETION DATE 7/10/2008

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Ian Hull Date 7/1/2008
Ian Hull

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 28092
WELL NUMBER _____
APN 099-0023-004-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 7/7/08
Wyman Hong

Revised: April 23, 2008

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT C

Boring and CPT Logs

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT1
JOB/SITE NAME	Former Texaco Station #211253	**DRILLING STARTED**	21-Nov-07
LOCATION	930 Springtown Boulevard, Livermore, CA	**DRILLING COMPLETED**	21-Nov-07
PROJECT NUMBER	060058	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc. (C57 #485165)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 Inches	**SCREENED INTERVAL**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Robert C. Foss, PG#7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		CPT1-5		5	ML		**SILT with clay:** Light brown; loose; 90% silt, 10% clay; moist; moderate plasticity, low estimated permeability. @ 6 fbg asphalt debris	8.0	Portland Type I/II
							(See CPT log for continuation)		Bottom of Boring @ 8 ft

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT2
JOB/SITE NAME	Former Texaco Station #211253	**DRILLING STARTED**	19-Nov-07
LOCATION	930 Springtown Boulevard, Livermore, CA	**DRILLING COMPLETED**	19-Nov-07
PROJECT NUMBER	060058	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc. (C57 #485165)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 Inches	**SCREENED INTERVAL**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Robert C. Foss, PG#7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		CPT2-5		5	ML		**SILT with clay and sand:** Light brown; loose; 80% silt, 10% clay, 10% fine grained sand; moist; low plasticity, low estimated permeability.		Portland Type I/II
							@ 6 fbg asphalt with baserock	8.0	
							(See CPT log for continuation)		Bottom of Boring @ 8 ft

WELL LOG (PID) I:\CHEVRON\211253-11BORING-11211253 BORING LOGS.GPJ DEFAULT.GDT 7/15/08

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT3
JOB/SITE NAME	Former Texaco Station #211253	**DRILLING STARTED**	07-Apr-08
LOCATION	930 Springtown Boulevard, Livermore, CA	**DRILLING COMPLETED**	07-Apr-08
PROJECT NUMBER	060058	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc. (C57 #485165)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 Inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Robert C. Foss, PG#7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0					ML		**SILT with clay and sand:** Light brown; firm; damp; 75% silt, 15% clay, 10% medium grained sand; low to moderate plasticity; low estimated permeability.		Portland Type I/II Cement
				5			@5 fbg: one foot thick hard layer		
								8.0	
							(See CPT log for continuation)		Bottom of Boring @ 8 ft

WELL LOG (PID) I:\CHEVRON\211253~1\BORING~1\211253 BORING LOGS.GPJ DEFAULT.GDT 7/15/08

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT4
JOB/SITE NAME	Former Texaco Station #211253	**DRILLING STARTED**	14-Jul-08
LOCATION	930 Springtown Boulevard, Livermore, CA	**DRILLING COMPLETED**	14-Jul-08
PROJECT NUMBER	060058	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc. (C57 #485165)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 Inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Brandon S. Wilken, PG # 7564	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0					ML		**Sandy SILT:** Light brown; dry; 60% silt, 40% coarse to fine grained sand; low plasticity; medium estimated permeability.		
				5			@ 7 fbg silt increases to 70%; sand decreases to 30%.	8.0	Portland Type I/II
							(See CPT log for continuation)		Bottom of Boring @ 8 ft

WELL LOG (PID) I:\CHEVRON\211253~1\BORING~1\211253 BORING LOGS.GPJ DEFAULT.GDT 7/15/08

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT5
JOB/SITE NAME	Former Texaco Station #211253	**DRILLING STARTED**	08-Apr-08
LOCATION	930 Springtown Boulevard, Livermore, CA	**DRILLING COMPLETED**	08-Apr-08
PROJECT NUMBER	060058	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc. (C57 #485165)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 Inches	**SCREENED INTERVAL**	NA
LOGGED BY	I. Hull	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	Robert C. Foss, PG#7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0					ML		**SILT with clay and sand**:Dark brown; firm; damp; 80% silt, 10% clay, 10% fine grained sand; low plasticity; low estimated permeability. @3 fbg color changes to light brown	8.0	Portland Type I/II Cement
				5			(See CPT log for continuation)		Bottom of Boring @ 8 ft

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT6
JOB/SITE NAME	Former Texaco Station #211253	**DRILLING STARTED**	19-Nov-07
LOCATION	930 Springtown Boulevard, Livermore, CA	**DRILLING COMPLETED**	20-Nov-07
PROJECT NUMBER	060058	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling & Testing, Inc. (C57 #485165)	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 Inches	**SCREENED INTERVAL**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	Robert C. Foss, PG#7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand cleared to 8 fbg		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
0		CPT6-5		5	ML		**SILT with gravel and sand** Light brown; dry; 80% silt, 10% gravel up to 1/4", 10% fine grained sand; moderate plasticity, low estimated permeability.	8.0	Portland Type I/II
							(See CPT log for continuation)		Bottom of Boring @ 8 ft

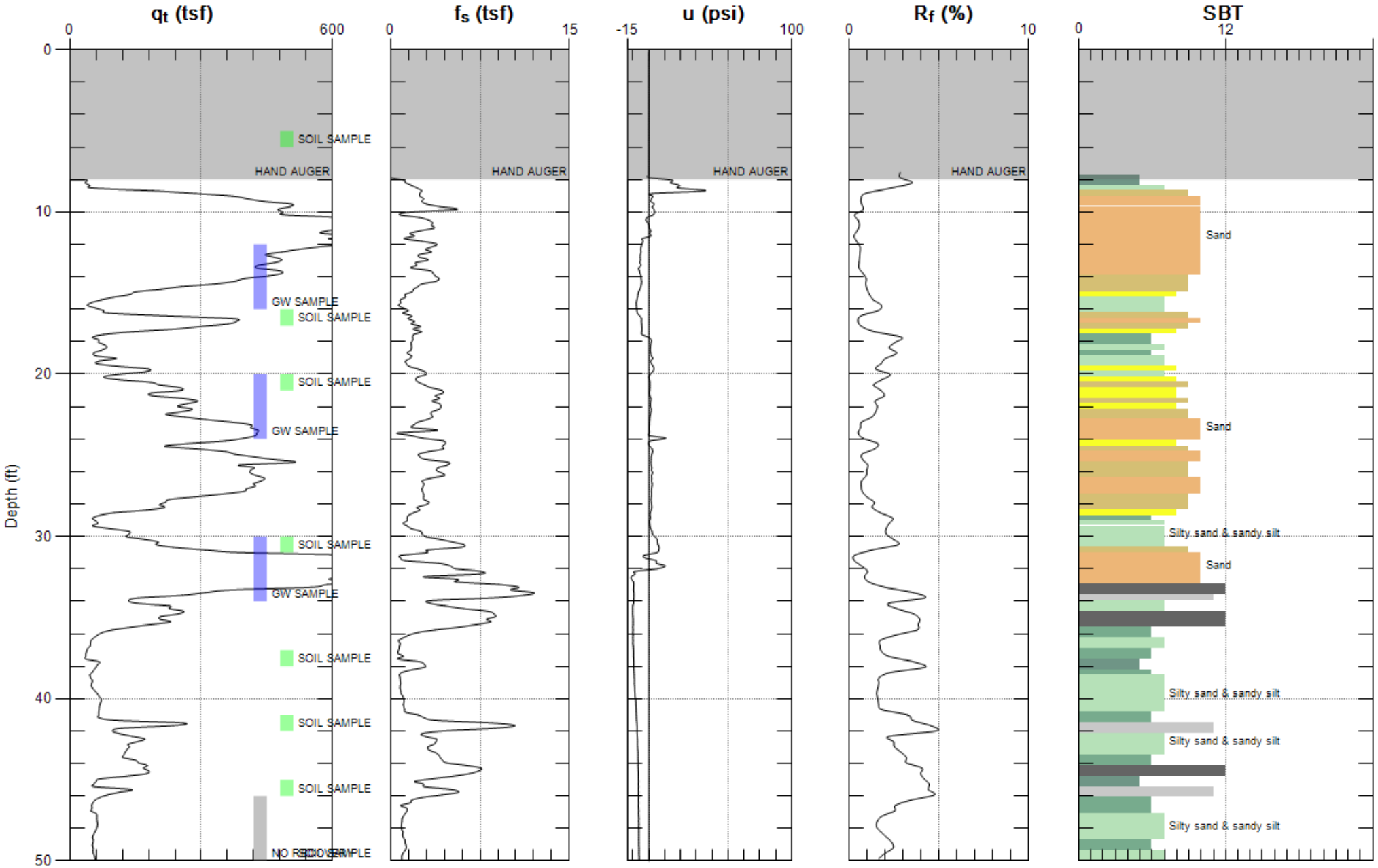
WELL LOG (PID) I:\CHEVRON\211253~1\BORING~1\211253 BORING LOGS.GPJ DEFAULT.GDT 7/15/08

GREGG

CRA

Site: 21-1253, 930 SPRINGTWN Engineer: C.EVANS

Sounding: CPT-01 **Date: 11/21/2007 09:23**



Max. Depth: 50.033 (ft)
Avg. Interval: 0.328 (ft)

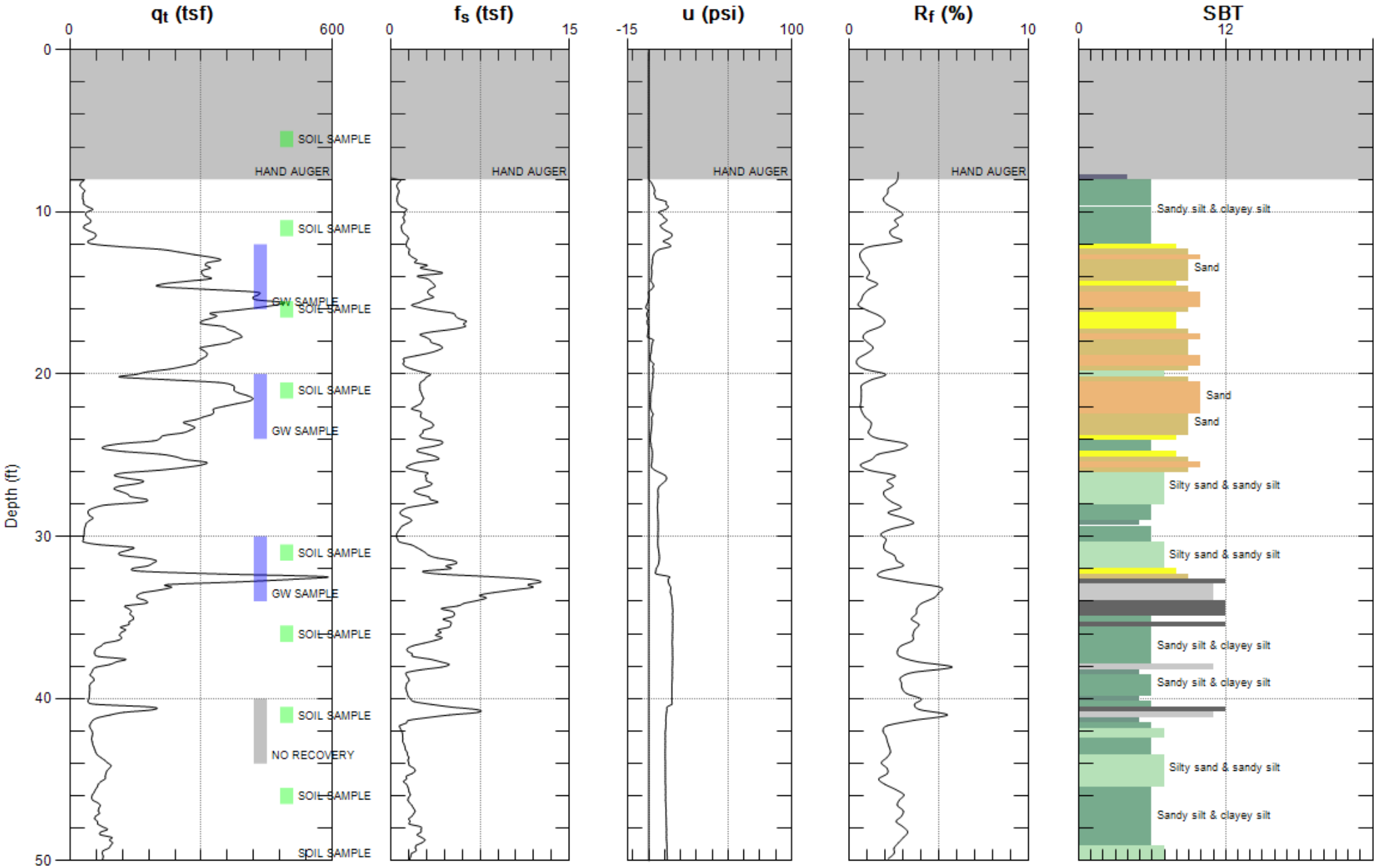
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: 21-1253, 930 SPRINGTOWN Engineer: C.EVANS

Sounding: CPT-02 Date: 11/19/2007 10:26



Max. Depth: 50.197 (ft)

Avg. Interval: 0.328 (ft)

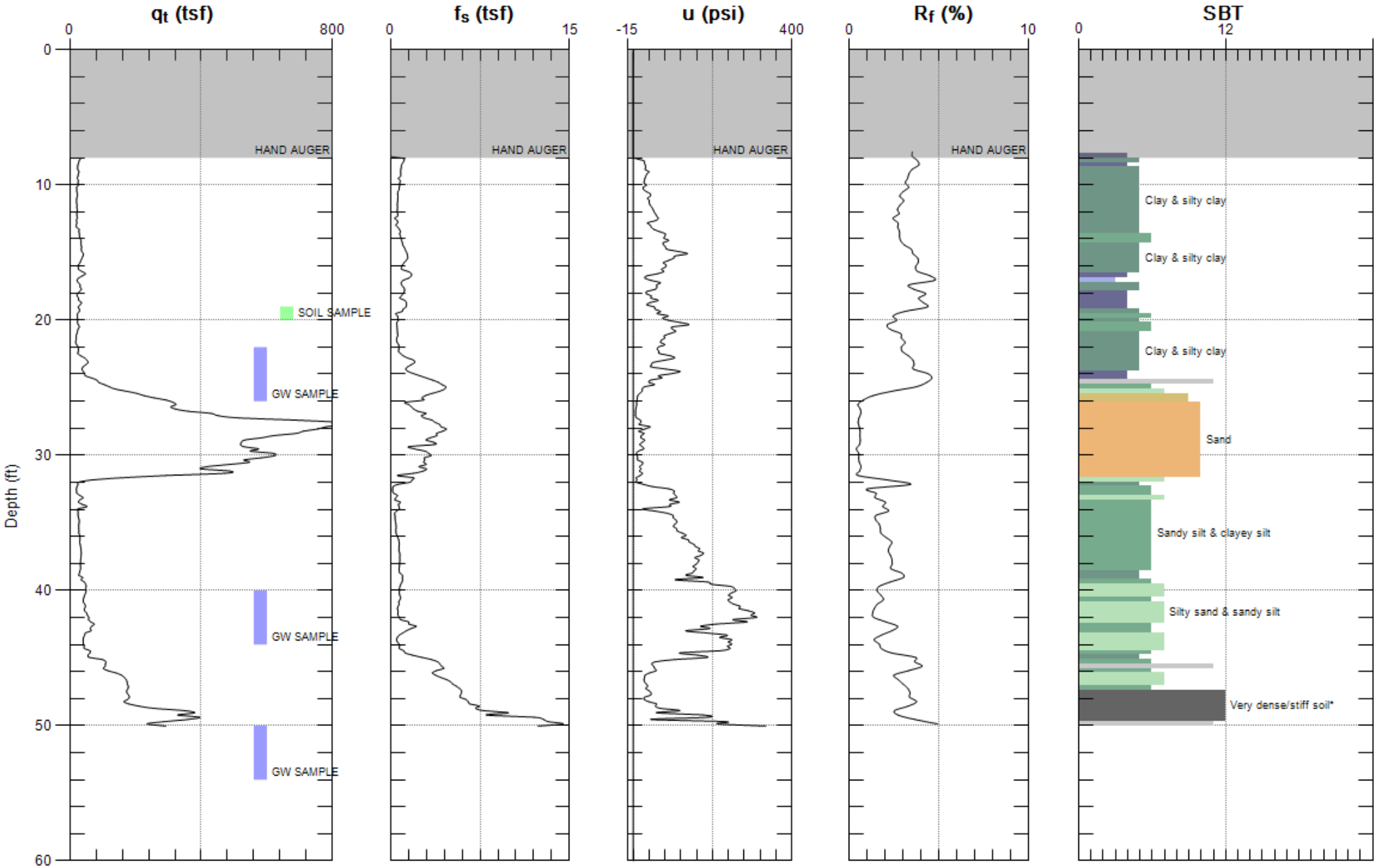
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: FMR TEXACO 21-1253
Sounding: CPT-03

Engineer: C.EVANS
Date: 4/7/2008 08:59



Max. Depth: 50.033 (ft)
Avg. Interval: 0.328 (ft)

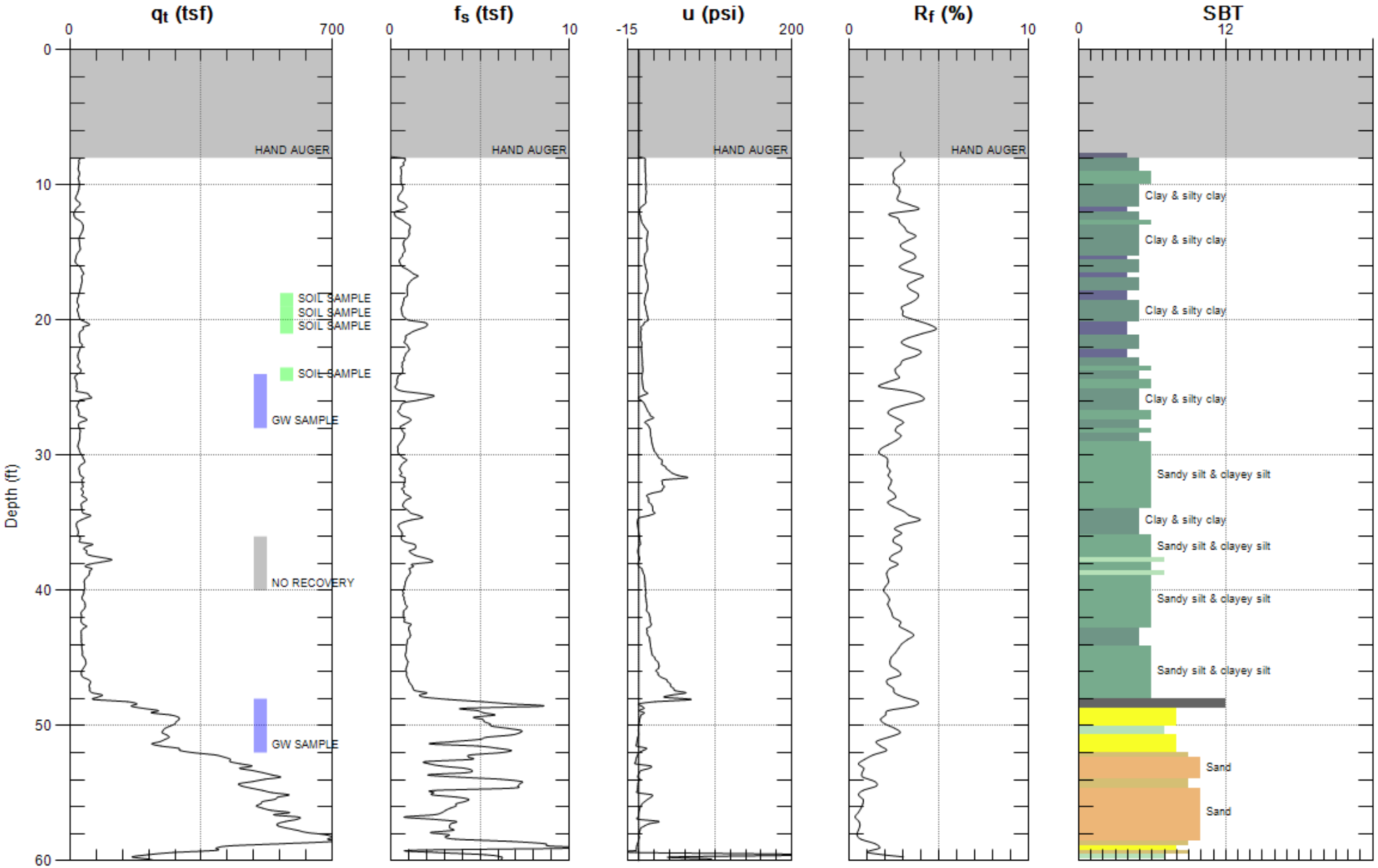
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: LIVERMORE
Sounding: CPT4

Engineer: I.HULL
Date: 7/14/2008 06:41



Max. Depth: 60.039 (ft)
Avg. Interval: 0.328 (ft)

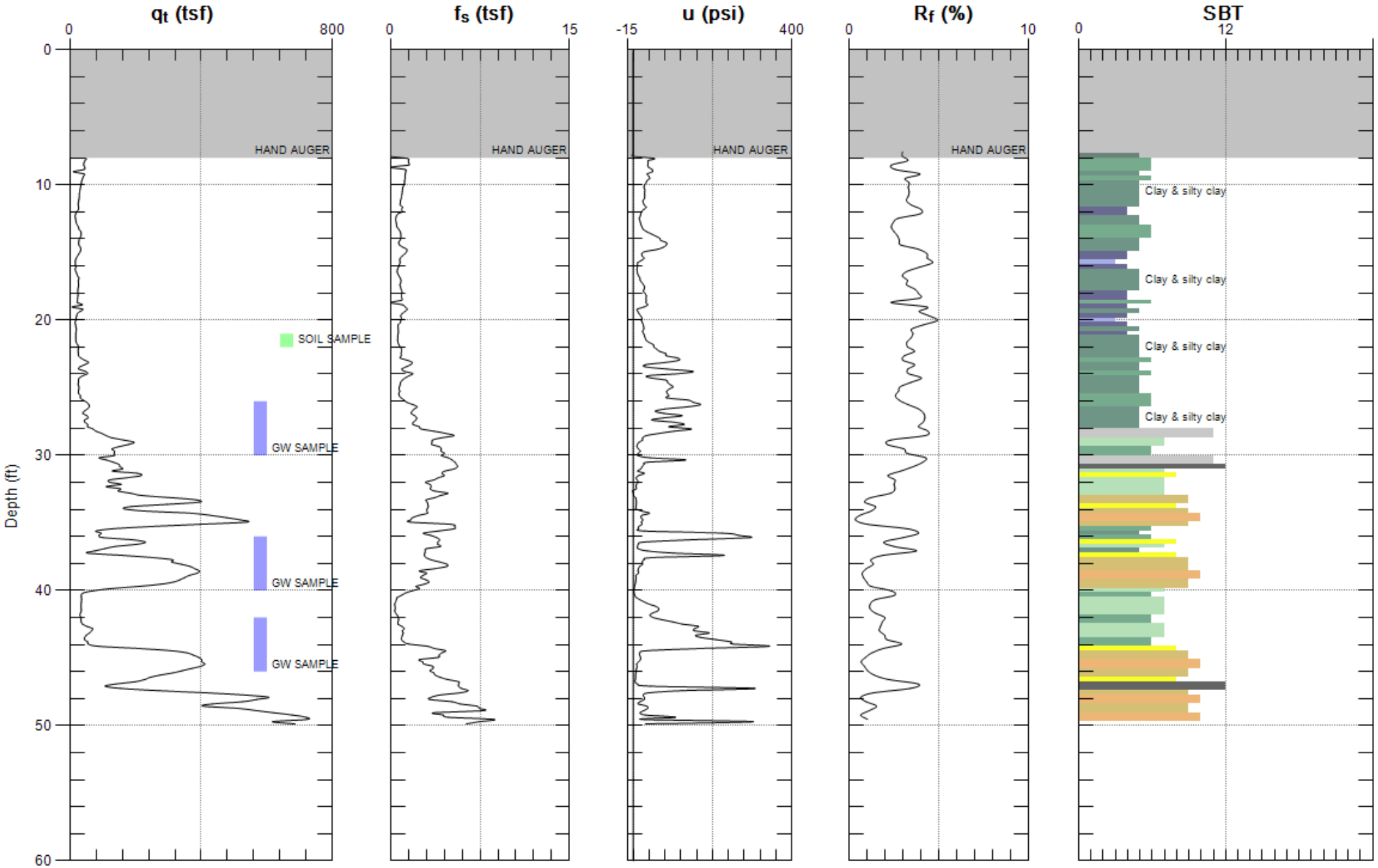
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: FMR TEXACO 21-1253
Sounding: CPT-05

Engineer: C.EVANS
Date: 4/8/2008 01:12



Max. Depth: 49.869 (ft)
Avg. Interval: 0.328 (ft)

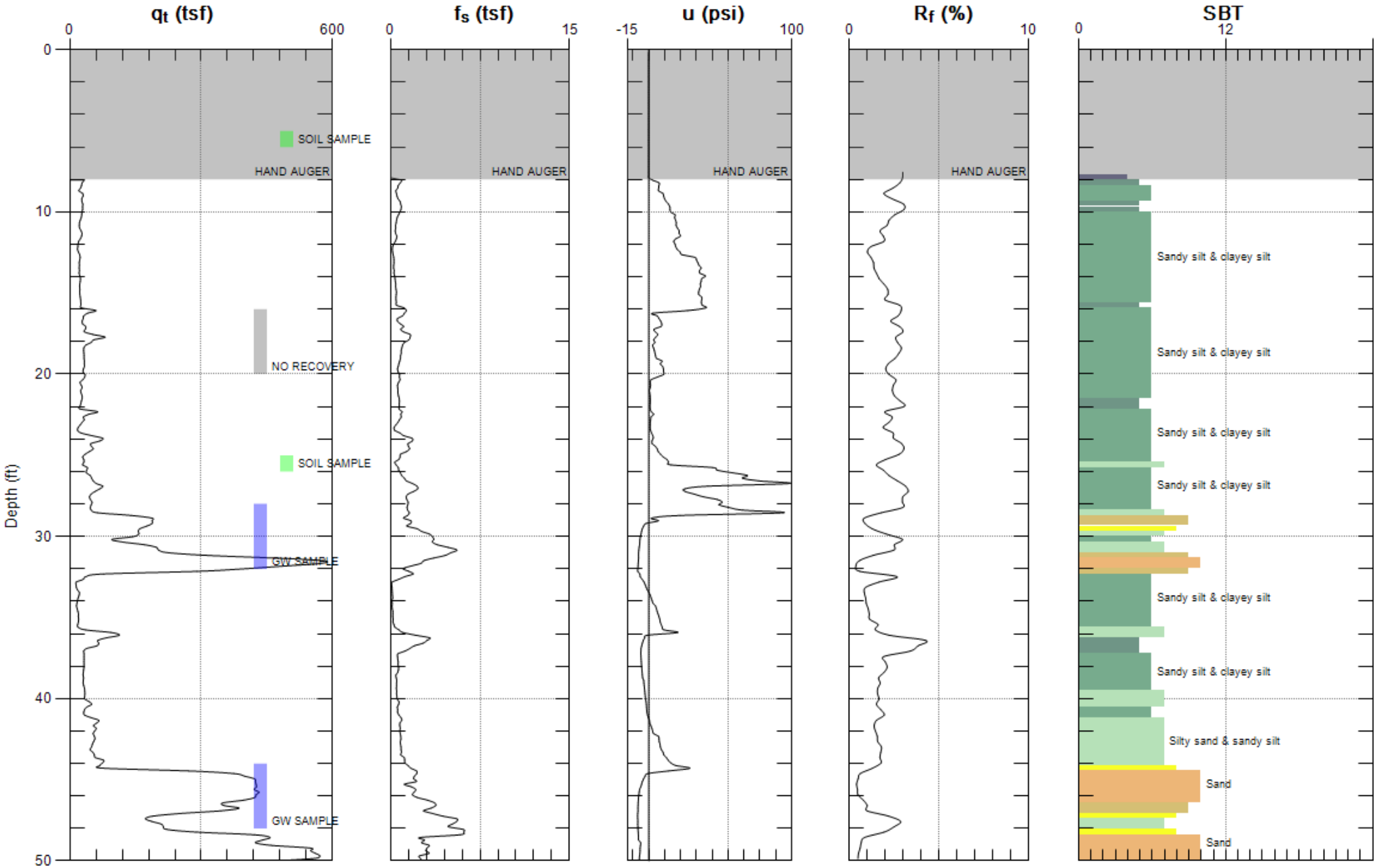
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: 21-1253, 930 SPRINGTOWN Engineer: C.EVANS

Sounding: CPT-06 Date: 11/20/2007 07:49



Max. Depth: 50.033 (ft)

Avg. Interval: 0.328 (ft)

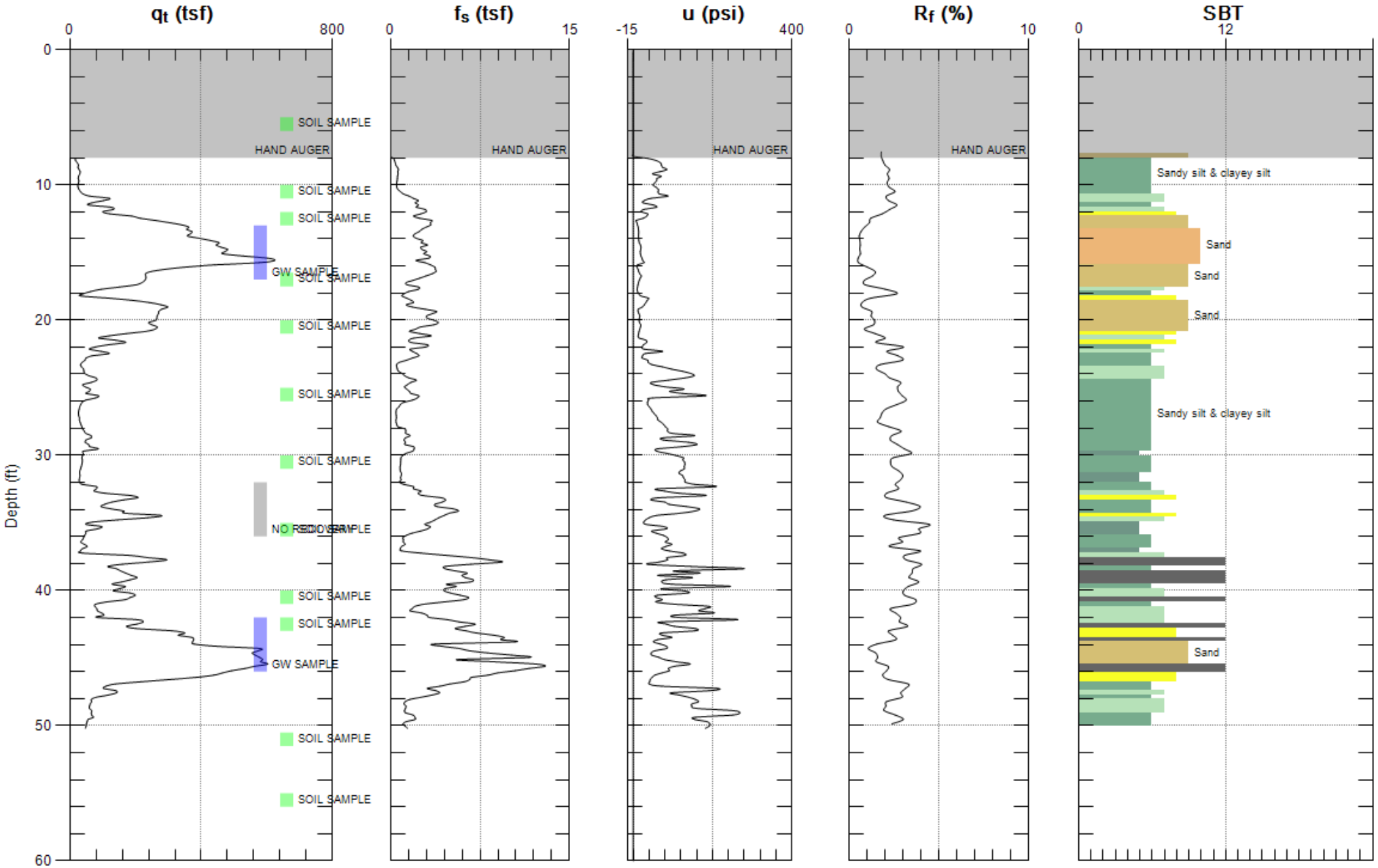
SBT: Soil Behavior Type (Robertson 1990)

GREGG

CRA

Site: FMR TEXACO 21-1253 Engineer: C.EVANS

Sounding: CPT-07 Date: 4/8/2008 08:01



Max. Depth: 50.197 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT D

Soil Analytic Reports

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1066886. Samples arrived at the laboratory on Tuesday, November 27, 2007. The PO# for this group is 211253 and the release number is SINHA.

Client Description	Lancaster Labs Number
CPT2-S-5-071119 Grab Soil	5219684
CPT2-S-10.5-071119 Grab Soil	5219685
CPT2-S-15.5-071119 Grab Soil	5219686
CPT2-S-20.5-071119 Grab Soil	5219687
CPT2-S-30.5-071119 Grab Soil	5219688
CPT2-S-35.5-071119 Grab Soil	5219689
CPT2-S-40.5-071119 Grab Soil	5219690
CPT2-S-45.5-071119 Grab Soil	5219691
CPT2-S-50.5-071119 Grab Soil	5219692
CPT6-S-5-071119 Grab Soil	5219693
CPT1-S-5-071121 NA Soil	5219694
CPT1-S-16-071121 NA Soil	5219695
CPT1-S-20-071121 NA Soil	5219696
CPT1-S-30-071121 NA Soil	5219697
CPT1-S-37-071121 NA Soil	5219698
CPT1-S-41-071121 NA Soil	5219699
CPT1-S-45-071121 NA Soil	5219700
CPT1-S-50-071121 NA Soil	5219701

ELECTRONIC	CRA	Attn: Charlotte Evans
COPY TO		
ELECTRONIC	CRA	Attn: J. Gekov

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

COPY TO

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Susan M. Goshert
Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW 5219684

CPT2-S-5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 09:23 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:46
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2A
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 04:59	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 02:49	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 12:59	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:00	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:31	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:01	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219685

CPT2-S-10.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 12:25 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:46
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2B
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.03
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.03
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.03
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.03
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.03
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.03
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.03
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.03
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.03
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.03
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.03

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 05:40	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 03:12	Holly Berry	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:02	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:01	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:32	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:02	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219686

CPT2-S-15.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 12:33 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:46
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2C
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.04
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.04
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.04
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.04
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.04
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.04
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.04
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.04
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.04
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.04

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 06:21	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 03:35	Holly Berry	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:04	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:03	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:33	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:03	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219687

CPT2-S-20.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 12:40 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2D
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.02

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 07:02	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 03:59	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:05	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:06	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:33	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:04	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219688

CPT2-S-30.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 12:54 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2E
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.02

State of California Lab Certification No. 2116

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 07:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 04:22	Holly Berry	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:06	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:07	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:35	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:04	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219689

CPT2-S-35.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 13:11 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2F
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 08:23	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 04:45	Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:09	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:08	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:36	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:05	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219690

CPT2-S-40.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 13:20 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2G
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 09:04	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 08:14	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:10	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:09	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:37	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:06	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219691

CPT2-S-45.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 13:29 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2H
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.05
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.05
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.05
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.05
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.05
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.05
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.05
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.05
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.05
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.05
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.05

State of California Lab Certification No. 2116

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 08:42	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 05:09	Holly Berry	1.05
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:13	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:12	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:39	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:07	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219692

CPT2-S-50.5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2
Collected:11/19/2007 13:43 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT2I
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 09:18	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 07:05	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:13	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:14	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:40	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:08	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219693

CPT6-S-5-071119 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT6
Collected:11/19/2007 15:40 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT6A
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.04
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.04
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.04
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.04
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.04
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.04
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.04
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.04
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.04
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.04
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.04

State of California Lab Certification No. 2116

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 09:54	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 05:56	Holly Berry	1.04
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:15	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:15	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:41	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:09	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219694

CPT1-S-5-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 09:45 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1A
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.03
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.03
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.03
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.03
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.03
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.03
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.03
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.03
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.03
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.03
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.03

State of California Lab Certification No. 2116

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 06:53	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 08:38	Holly Berry	1.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:17	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:16	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:42	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:10	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219695

CPT1-S-16-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 11:55 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1B
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	1.3	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 02:04	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 09:00	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:18	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:18	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:43	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:11	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219696

CPT1-S-20-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 12:05 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1C
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.96
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.96
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.96
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.96
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.96
05460	Benzene	71-43-2	0.073	0.0005	mg/kg	0.96
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.96
05466	Toluene	108-88-3	0.002	0.001	mg/kg	0.96
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.96
05474	Ethylbenzene	100-41-4	0.001	0.001	mg/kg	0.96
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.96

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 02:41	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 06:19	Holly Berry	0.96
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:19	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:20	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:44	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:12	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219697

CPT1-S-30-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 12:28 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1D
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	59.	10.	mg/kg	250
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	mg/kg	48.45
02017	di-Isopropyl ether	108-20-3	N.D.	0.048	mg/kg	48.45
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.048	mg/kg	48.45
02019	t-Amyl methyl ether	994-05-8	N.D.	0.048	mg/kg	48.45
02020	t-Butyl alcohol	75-65-0	N.D.	0.97	mg/kg	48.45
05460	Benzene	71-43-2	0.61	0.024	mg/kg	48.45
05461	1,2-Dichloroethane	107-06-2	N.D.	0.048	mg/kg	48.45
05466	Toluene	108-88-3	2.8	0.048	mg/kg	48.45
05471	1,2-Dibromoethane	106-93-4	N.D.	0.048	mg/kg	48.45
05474	Ethylbenzene	100-41-4	0.42	0.048	mg/kg	48.45
06301	Xylene (Total)	1330-20-7	5.8	0.048	mg/kg	48.45

State of California Lab Certification No. 2116

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 03:17	Linda C Pape	250
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 06:00	Lauren C Marzario	48.45
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:21	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:20	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:45	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:15	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219698

CPT1-S-37-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 12:41 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1E
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	16.	2.0	mg/kg	50
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.01
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.01
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.01
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.01
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.01
05460	Benzene	71-43-2	0.004	0.0005	mg/kg	1.01
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.01
05466	Toluene	108-88-3	0.056	0.001	mg/kg	1.01
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.01
05474	Ethylbenzene	100-41-4	0.039	0.001	mg/kg	1.01
06301	Xylene (Total)	1330-20-7	0.30	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 03:53	Linda C Pape	50
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 10:34	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:24	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:23	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:46	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:16	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219699

CPT1-S-41-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 12:52 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1F
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	130.	80.	mg/kg	2000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	mg/kg	48.64
02017	di-Isopropyl ether	108-20-3	N.D.	0.049	mg/kg	48.64
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.049	mg/kg	48.64
02019	t-Amyl methyl ether	994-05-8	N.D.	0.049	mg/kg	48.64
02020	t-Butyl alcohol	75-65-0	N.D.	0.97	mg/kg	48.64
05460	Benzene	71-43-2	0.043	0.024	mg/kg	48.64
05461	1,2-Dichloroethane	107-06-2	N.D.	0.049	mg/kg	48.64
05466	Toluene	108-88-3	1.1	0.049	mg/kg	48.64
05471	1,2-Dibromoethane	106-93-4	N.D.	0.049	mg/kg	48.64
05474	Ethylbenzene	100-41-4	0.52	0.049	mg/kg	48.64
06301	Xylene (Total)	1330-20-7	3.4	0.049	mg/kg	48.64

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Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 04:29	Linda C Pape	2000
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 06:45	Lauren C Marzario	48.64
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:25	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:26	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:46	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:17	Larry E Bevins	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW 5219700

CPT1-S-45-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 13:05 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1G
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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	1.8	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.97
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.97
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.97
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.97
05460	Benzene	71-43-2	0.004	0.0005	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.97
05466	Toluene	108-88-3	0.059	0.001	mg/kg	0.97
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.97
05474	Ethylbenzene	100-41-4	0.018	0.001	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	0.13	0.001	mg/kg	0.97

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 05:05	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 07:28	Holly Berry	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:28	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:27	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:48	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:17	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 5219701

CPT1-S-50-071121 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1
Collected:11/21/2007 13:30 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT1H
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.06
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.06
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.06
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.06
02020	t-Butyl alcohol	75-65-0	N.D.	0.021	mg/kg	1.06
05460	Benzene	71-43-2	0.0008	0.0005	mg/kg	1.06
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.06
05466	Toluene	108-88-3	0.022	0.001	mg/kg	1.06
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.06
05474	Ethylbenzene	100-41-4	0.009	0.001	mg/kg	1.06
06301	Xylene (Total)	1330-20-7	0.060	0.001	mg/kg	1.06

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 05:41	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 07:51	Holly Berry	1.06
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:29	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:29	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:49	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:18	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066886
Reported: 12/19/07 at 12:47 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07331A34A	Sample number(s): 5219691-5219701							
TPH-GRO - Soils	N.D.	1.0	mg/kg	98		67-119		
Batch number: 07332A02A	Sample number(s): 5219684-5219690							
TPH-GRO - Soils	N.D.	25.	mg/kg	102		67-119		
Batch number: B073312AA	Sample number(s): 5219684-5219696,5219698,5219700-5219701							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	89	89	72-117	0	30
di-Isopropyl ether	N.D.	0.001	mg/kg	91	92	72-120	1	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	92	93	72-115	2	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	95	95	73-116	1	30
t-Butyl alcohol	N.D.	0.020	mg/kg	103	103	59-154	0	30
Benzene	N.D.	0.0005	mg/kg	93	94	84-115	1	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	115	112	76-126	2	30
Toluene	N.D.	0.001	mg/kg	94	92	81-116	2	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	101	102	77-114	0	30
Ethylbenzene	N.D.	0.001	mg/kg	94	93	82-115	1	30
Xylene (Total)	N.D.	0.001	mg/kg	95	93	82-117	2	30
Batch number: Q073312AA	Sample number(s): 5219697,5219699							
Methyl Tertiary Butyl Ether	N.D.	0.025	mg/kg	95	95	72-117	1	30
di-Isopropyl ether	N.D.	0.050	mg/kg	105	106	72-120	1	30
Ethyl t-butyl ether	N.D.	0.050	mg/kg	99	102	72-115	2	30
t-Amyl methyl ether	N.D.	0.050	mg/kg	101	101	73-116	0	30
t-Butyl alcohol	N.D.	1.0	mg/kg	93	95	59-154	2	30
Benzene	N.D.	0.025	mg/kg	100	102	84-115	1	30
1,2-Dichloroethane	N.D.	0.050	mg/kg	106	107	76-126	1	30
Toluene	N.D.	0.050	mg/kg	94	95	81-116	2	30
1,2-Dibromoethane	N.D.	0.050	mg/kg	95	97	77-114	2	30
Ethylbenzene	N.D.	0.050	mg/kg	92	94	82-115	2	30
Xylene (Total)	N.D.	0.050	mg/kg	91	93	82-117	1	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07331A34A	Sample number(s): 5219691-5219701 UNSPK: P217492								
TPH-GRO - Soils	91	112	39-118	20	30				
Batch number: 07332A02A	Sample number(s): 5219684-5219690 UNSPK: P217451								
TPH-GRO - Soils	73	83	39-118	13	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066886
Reported: 12/19/07 at 12:47 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: B073312AA	Sample number(s): 5219684-5219696,5219698,5219700-5219701 UNSPK: 5219689								
Methyl Tertiary Butyl Ether	82		59-119						
di-Isopropyl ether	93		58-113						
Ethyl t-butyl ether	91		60-112						
t-Amyl methyl ether	95		63-112						
t-Butyl alcohol	132		51-134						
Benzene	96		66-112						
1,2-Dichloroethane	127		62-130						
Toluene	96		50-121						
1,2-Dibromoethane	104		66-108						
Ethylbenzene	98		54-116						
Xylene (Total)	97		52-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Soils
Batch number: 07331A34A

	Trifluorotoluene-F
5219691	76
5219692	73
5219693	80
5219694	76
5219695	74
5219696	71
5219697	11*
5219698	40*
5219699	2*
5219700	75
5219701	75
Blank	89
LCS	99
MS	93
MSD	98
Limits:	61-122

Analysis Name: TPH-GRO - Soils
Batch number: 07332A02A

	Trifluorotoluene-F
5219684	76
5219685	78
5219686	81
5219687	76
5219688	80
5219689	77

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066886
Reported: 12/19/07 at 12:47 PM

Surrogate Quality Control

5219690	79
Blank	87
LCS	100
MS	85
MSD	95
Limits:	61-122

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B073312AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5219684	101	84	96	89
5219685	100	88	96	89
5219686	101	91	95	89
5219687	103	89	94	91
5219688	104	85	95	88
5219689	103	91	94	87
5219690	101	89	95	90
5219691	104	86	95	90
5219692	104	86	94	91
5219693	106	93	95	90
5219694	106	94	93	92
5219695	99	90	95	101
5219696	103	87	96	93
5219698	92	90	96	100
5219700	104	89	93	95
5219701	103	90	93	96
Blank	100	90	95	90
LCS	101	87	96	93
LCSD	100	90	96	93
MS	102	89	97	96
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: Q073312AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5219697	93	96	92	89
5219699	89	94	86	87
Blank	102	107	96	95
LCS	106	109	103	105
LCSD	102	105	101	98
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories — Where quality is a science.

For Lancaster Laboratories use only — Acct. #: 10880 — Sample #: 5219684-701 — SCR#: 240250 8 10666886

RUSH 112607-08

Facility #: 211253 AL

Site Address: 930 Springtown Blvd. Livermore

Chevron PM: ~~Ian Robb~~ Sinha per C. Evans — Lead Consultant: CRA

Consultant/Office: CRA - Emeryville

Consultant Prj. Mgr.: C Evans

Consultant Phone #: 510-420-3351 — Fax #: 510-420-9170

Sampler: J Gekay

Service Order #: _____ ☐ Non SAR: _____

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl, T = Thiosulfate, N = HNO_3, B = NaOH, S = H_2SO_4, O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates SEE NOTES	Lead 7420 ☐ 7421 ☐
CPT 2-5	S	N	5	07 11 19	09:23	Y	X		1	X	X			X	
CPT 2-10.5	S	N	10.5	07 11 19	12:25	Y	X		1	X	X			X	
CPT 2-15.5	S	N	15.5	07 11 19	12:33	Y	X		1	X	X			X	
CPT 2-20.5	S	N	20.5	07 11 19	12:40	Y	X		1	X	X			X	
CPT 2-30.5	S	N	30.5	07 11 19	12:54	Y	X		1	X	X			X	
CPT 2-35.5	S	N	35.5	07 11 19	13:11	Y	X		1	X	X			X	
CPT 2-40.5	S	N	40.5	07 11 19	13:20	Y	X		1	X	X			X	
CPT 2-45.5	S	N	45.5	07 11 19	13:29	Y	X		1	X	X			X	
CPT 2-50.5	S	N	50.5	07 11 19	13:43	Y	X		1	X	X			X	
CPT 6-5	S	N	5	07 11 19	15:40	Y	X		1	X	X			X	

Comments / Remarks

Oxys: TAME, DIPE, TBA, ETBE, MTBE, EDB, 1,2-DCA

send results to cevans@ceenviro.com jgekay@ceenviro.com

email pdf to: do_not_have@ceenviro.com

Turnaround Time Requested (TAT) (please circle)

STD. TAT	72 hour	48 hour
(24 hour)	4 day	5 day

Data Package Options (please circle if required)

QC Summary — Type I – Full
Type VI (Raw Data) — ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
	11/19/07	1630	Secure Location	11/19/07	1630
	11/26/07	1450		11-26-07	1450
	11-26-07	1550		11-27-07	1245

Relinquished by Commercial Carrier: UPS FedEx Other DHL — Received by: Kathy Binkley — Date 11-27-07 Time 0920

Temperature Upon Receipt 2.0° - 5.6° Range — Custody Seals Intact? (Yes) No

3460 Rev. 10/04/01

Chevron California Region Analysis Request/Chain of Custody

242809

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5219684-701 SCR#: 1066886

PLEASE FAX

Facility #: 21-1253 AIL
Site Address: 930 SPRINGTOWN BLVD., LIVERMORE
Chevron PM: ROBB Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: C. EVANS
Consultant Phone #: 510-420-3314 Fax #: 510-420-9170
Sampler: IH/JG
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates 8260	Lead 7420 ☐ 7421 ☐	1,2 DCA 8260	EDB 8260
~~CPT-1-5~~	~~S~~		~~5~~	~~07 11 21~~	~~0945~~												
CPT 1-5	S		5	07 11 21	0945	X			1	X	X			X		X	X
CPT 1-16	|		15.5	07 11 21	1155	X			1	X	X			X		X	X
CPT 1-20	|		19.5	|	1205	X			1	X	X			X		X	X
CPT 1-30	|		29.5	|	1228	X			1	X	X			X		X	X
CPT 1-37	|		36.5	|	1241	X			1	X	X			X		X	X
CPT 1-41	|		40.5	|	1252	X			1	X	X			X		X	X
CPT 1-45	|		44.5	|	1305	X			1	X	X			X		X	X
CPT 1-50	|		49.5	|	1330	X			1	X	X			X		X	X

Comments / Remarks
PLEASE EMAIL RESULTS TO:
cevans@craworld.com
jgekov@craworld.com
EDF TO Dshare@craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
(24 hour) 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	11/26/07	1715	Received by: Serge Lgarka	11/26/07	1715
Relinquished by:	11/26/07	1450	Received by: Andrea Amaya	11-26-07	1450
Relinquished by:	11/26/07	1520	Received by: DHL	11-26-07	
Relinquished by Commercial Carrier: DHL			Received by: Kathy Binkley	11-27-07	0920
UPS FedEx Other			Custody Seals Intact? (Yes) No		
Temperature Upon Receipt 2.0-5.6° Range					

3460 Rev. 10/04/01

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1086018. Samples arrived at the laboratory on Friday, April 11, 2008. The PO# for this group is 0015024486 and the release number is ROBB.

Client Description	Lancaster Labs Number
CPT3-S-19.5-080407 Grab Soil	5329516
CPT7-S-5-080408 Grab Soil	5329517
CPT7-S-10.5-080409 Grab Soil	5329518
CPT7-S-12-080409 Grab Soil	5329519
CPT7-S-17-080409 Grab Soil	5329520
CPT7-S-20-080409 Grab Soil	5329521
CPT7-S-25-080409 Grab Soil	5329522
CPT7-S-30-080409 Grab Soil	5329523
CPT7-S-35-080409 Grab Soil	5329524
CPT7-S-40-080409 Grab Soil	5329525
CPT7-S-42-080409 Grab Soil	5329526
CPT7-S-50.5-080409 Grab Soil	5329527
CPT7-S-55-080409 Grab Soil	5329528
CPT5-S-21.5-080409 Grab Soil	5329529

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Valerie L. Tomayko
Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW5329516 **Group No. 1086018**

CPT3-S-19.5-080407 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT3
Collected:04/07/2008 12:00 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	1.02
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	1.02
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	1.02
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	1.02
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	1.02
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.02
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	1.02
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.02
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	1.02
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.02
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.02

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/14/2008 22:30	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/14/2008 23:21	Kelly E Brickley	1.02
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:14	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:15	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:16	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:17	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329517 **Group No. 1086018**

CPT7-S-5-080408 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/08/2008 09:20 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT75

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	510.	400.	mg/kg	10000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	mg/kg	52.97
02017	di-Isopropyl ether	108-20-3	N.D.	0.053	mg/kg	52.97
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.053	mg/kg	52.97
02019	t-Amyl methyl ether	994-05-8	N.D.	0.053	mg/kg	52.97
02020	t-Butyl alcohol	75-65-0	N.D.	1.1	mg/kg	52.97
05460	Benzene	71-43-2	N.D.	0.026	mg/kg	52.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.053	mg/kg	52.97
05466	Toluene	108-88-3	N.D.	0.053	mg/kg	52.97
05471	1,2-Dibromoethane	106-93-4	N.D.	0.053	mg/kg	52.97
05474	Ethylbenzene	100-41-4	3.6	0.053	mg/kg	52.97
06301	Xylene (Total)	1330-20-7	16.	0.053	mg/kg	52.97

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/14/2008 23:06	Linda C Pape	10000
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/16/2008 02:50	Lauren C Marzario	52.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:18	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:22	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:19	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:20	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329518 **Group No. 1086018**

CPT7-S-10.5-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 09:40 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CPT70

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	1,700.	400.	mg/kg	10000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	mg/kg	49.6
02017	di-Isopropyl ether	108-20-3	N.D.	0.050	mg/kg	49.6
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.050	mg/kg	49.6
02019	t-Amyl methyl ether	994-05-8	N.D.	0.050	mg/kg	49.6
02020	t-Butyl alcohol	75-65-0	N.D.	0.99	mg/kg	49.6
05460	Benzene	71-43-2	2.5	0.025	mg/kg	49.6
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	mg/kg	49.6
05466	Toluene	108-88-3	20.	0.50	mg/kg	496.03
05471	1,2-Dibromoethane	106-93-4	N.D.	0.050	mg/kg	49.6
05474	Ethylbenzene	100-41-4	14.	0.050	mg/kg	49.6
06301	Xylene (Total)	1330-20-7	70.	0.50	mg/kg	496.03

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 09:36	Linda C Pape	10000
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/16/2008 03:12	Lauren C Marzario	49.6
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/16/2008 03:35	Lauren C Marzario	496.03
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:27	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:24	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:24	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:28	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329519 **Group No. 1086018**

CPT7-S-12-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 09:50 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP712

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	510.	200.	mg/kg	5000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	mg/kg	50.4
02017	di-Isopropyl ether	108-20-3	N.D.	0.050	mg/kg	50.4
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.050	mg/kg	50.4
02019	t-Amyl methyl ether	994-05-8	N.D.	0.050	mg/kg	50.4
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	mg/kg	50.4
05460	Benzene	71-43-2	0.28	0.025	mg/kg	50.4
05461	1,2-Dichloroethane	107-06-2	N.D.	0.050	mg/kg	50.4
05466	Toluene	108-88-3	N.D.	0.050	mg/kg	50.4
05471	1,2-Dibromoethane	106-93-4	N.D.	0.050	mg/kg	50.4
05474	Ethylbenzene	100-41-4	2.8	0.050	mg/kg	50.4
06301	Xylene (Total)	1330-20-7	1.4	0.050	mg/kg	50.4

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 10:12	Linda C Pape	5000
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/16/2008 20:45	Kerri E Koch	50.4
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:32	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:31	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:30	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:30	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329520 **Group No. 1086018**

CPT7-S-17-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 09:54 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP717

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	700.	400.	mg/kg	10000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.023	mg/kg	45.87
02017	di-Isopropyl ether	108-20-3	N.D.	0.046	mg/kg	45.87
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.046	mg/kg	45.87
02019	t-Amyl methyl ether	994-05-8	N.D.	0.046	mg/kg	45.87
02020	t-Butyl alcohol	75-65-0	N.D.	0.92	mg/kg	45.87
05460	Benzene	71-43-2	0.45	0.023	mg/kg	45.87
05461	1,2-Dichloroethane	107-06-2	N.D.	0.046	mg/kg	45.87
05466	Toluene	108-88-3	5.7	0.046	mg/kg	45.87
05471	1,2-Dibromoethane	106-93-4	N.D.	0.046	mg/kg	45.87
05474	Ethylbenzene	100-41-4	6.0	0.046	mg/kg	45.87
06301	Xylene (Total)	1330-20-7	27.	0.046	mg/kg	45.87

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 10:48	Linda C Pape	10000
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/18/2008 15:15	Kerri E Koch	45.87
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:37	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:37	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:34	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:36	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329521 **Group No. 1086018**

CPT7-S-20-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 10:00 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP720

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	430.	400.	mg/kg	10000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.024	mg/kg	48.73
02017	di-Isopropyl ether	108-20-3	N.D.	0.049	mg/kg	48.73
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.049	mg/kg	48.73
02019	t-Amyl methyl ether	994-05-8	N.D.	0.049	mg/kg	48.73
02020	t-Butyl alcohol	75-65-0	N.D.	0.97	mg/kg	48.73
05460	Benzene	71-43-2	0.15	0.024	mg/kg	48.73
05461	1,2-Dichloroethane	107-06-2	N.D.	0.049	mg/kg	48.73
05466	Toluene	108-88-3	6.6	0.049	mg/kg	48.73
05471	1,2-Dibromoethane	106-93-4	N.D.	0.049	mg/kg	48.73
05474	Ethylbenzene	100-41-4	4.2	0.049	mg/kg	48.73
06301	Xylene (Total)	1330-20-7	19.	0.049	mg/kg	48.73

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 11:24	Linda C Pape	10000
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/16/2008 21:43	Kerri E Koch	48.73
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:39	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:40	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:42	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:41	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329522 **Group No. 1086018**

CPT7-S-25-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 10:10 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP725

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	53.	40.	mg/kg	1000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	mg/kg	52.41
02017	di-Isopropyl ether	108-20-3	N.D.	0.052	mg/kg	52.41
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.052	mg/kg	52.41
02019	t-Amyl methyl ether	994-05-8	N.D.	0.052	mg/kg	52.41
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	mg/kg	52.41
05460	Benzene	71-43-2	0.039	0.026	mg/kg	52.41
05461	1,2-Dichloroethane	107-06-2	N.D.	0.052	mg/kg	52.41
05466	Toluene	108-88-3	1.6	0.052	mg/kg	52.41
05471	1,2-Dibromoethane	106-93-4	N.D.	0.052	mg/kg	52.41
05474	Ethylbenzene	100-41-4	2.4	0.052	mg/kg	52.41
06301	Xylene (Total)	1330-20-7	11.	0.052	mg/kg	52.41

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 12:00	Linda C Pape	1000
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/18/2008 15:38	Kerri E Koch	52.41
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:44	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:45	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:43	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:46	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329523 **Group No. 1086018**

CPT7-S-30-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 10:30 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP730

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	82.	20.	mg/kg	500
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.025	mg/kg	49.21
02017	di-Isopropyl ether	108-20-3	N.D.	0.049	mg/kg	49.21
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.049	mg/kg	49.21
02019	t-Amyl methyl ether	994-05-8	N.D.	0.049	mg/kg	49.21
02020	t-Butyl alcohol	75-65-0	N.D.	0.98	mg/kg	49.21
05460	Benzene	71-43-2	0.048	0.025	mg/kg	49.21
05461	1,2-Dichloroethane	107-06-2	N.D.	0.049	mg/kg	49.21
05466	Toluene	108-88-3	0.60	0.049	mg/kg	49.21
05471	1,2-Dibromoethane	106-93-4	N.D.	0.049	mg/kg	49.21
05474	Ethylbenzene	100-41-4	0.50	0.049	mg/kg	49.21
06301	Xylene (Total)	1330-20-7	2.2	0.049	mg/kg	49.21

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 12:36	Linda C Pape	500
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/18/2008 16:00	Kerri E Koch	49.21
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:47	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:50	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:48	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:49	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329524 **Group No. 1086018**

CPT7-S-35-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 10:40 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP735

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	16.	2.0	mg/kg	50
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	mg/kg	52.74
02017	di-Isopropyl ether	108-20-3	N.D.	0.053	mg/kg	52.74
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.053	mg/kg	52.74
02019	t-Amyl methyl ether	994-05-8	N.D.	0.053	mg/kg	52.74
02020	t-Butyl alcohol	75-65-0	N.D.	1.1	mg/kg	52.74
05460	Benzene	71-43-2	N.D.	0.026	mg/kg	52.74
05461	1,2-Dichloroethane	107-06-2	N.D.	0.053	mg/kg	52.74
05466	Toluene	108-88-3	0.16	0.053	mg/kg	52.74
05471	1,2-Dibromoethane	106-93-4	N.D.	0.053	mg/kg	52.74
05474	Ethylbenzene	100-41-4	0.13	0.053	mg/kg	52.74
06301	Xylene (Total)	1330-20-7	0.61	0.053	mg/kg	52.74
	The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.					

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 13:12	Linda C Pape	50
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/18/2008 17:07	Kerri E Koch	52.74
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:55	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:54	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:52	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:53	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329525 **Group No. 1086018**

CPT7-S-40-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 10:52 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP740

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	2.1	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.94
02017	di-Isopropyl ether	108-20-3	N.D.	0.0009	mg/kg	0.94
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	mg/kg	0.94
02019	t-Amyl methyl ether	994-05-8	N.D.	0.0009	mg/kg	0.94
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.94
05460	Benzene	71-43-2	0.0007	0.0005	mg/kg	0.94
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	mg/kg	0.94
05466	Toluene	108-88-3	0.031	0.0009	mg/kg	0.94
05471	1,2-Dibromoethane	106-93-4	N.D.	0.0009	mg/kg	0.94
05474	Ethylbenzene	100-41-4	0.049	0.0009	mg/kg	0.94
06301	Xylene (Total)	1330-20-7	0.24	0.0009	mg/kg	0.94

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 13:48	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/15/2008 00:07	Kelly E Brickley	0.94
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:57	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 16:56	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 16:58	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 16:59	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329526 **Group No. 1086018**

CPT7-S-42-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 11:10 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP742

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	3.7	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.99
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.99
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.99
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.99
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	mg/kg	0.99
05460	Benzene	71-43-2	0.005	0.0005	mg/kg	0.99
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.99
05466	Toluene	108-88-3	0.037	0.001	mg/kg	0.99
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	0.046	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	0.20	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 14:31	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/15/2008 00:30	Kelly E Brickley	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:01	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 17:04	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 17:03	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:02	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329527 **Group No. 1086018**

CPT7-S-50.5-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 11:30 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP750

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	38.	10.	mg/kg	250
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	mg/kg	51.33
02017	di-Isopropyl ether	108-20-3	N.D.	0.051	mg/kg	51.33
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.051	mg/kg	51.33
02019	t-Amyl methyl ether	994-05-8	N.D.	0.051	mg/kg	51.33
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	mg/kg	51.33
05460	Benzene	71-43-2	0.026	0.026	mg/kg	51.33
05461	1,2-Dichloroethane	107-06-2	N.D.	0.051	mg/kg	51.33
05466	Toluene	108-88-3	0.46	0.051	mg/kg	51.33
05471	1,2-Dibromoethane	106-93-4	N.D.	0.051	mg/kg	51.33
05474	Ethylbenzene	100-41-4	0.72	0.051	mg/kg	51.33
06301	Xylene (Total)	1330-20-7	3.3	0.051	mg/kg	51.33

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 15:07	Linda C Pape	250
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/23/2008 19:52	Kerri E Koch	51.33
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:08	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 17:09	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 17:06	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:07	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329528 **Group No. 1086018**

CPT7-S-55-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT7
Collected:04/09/2008 12:00 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP755

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	32.	10.	mg/kg	250
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.026	mg/kg	52.41
02017	di-Isopropyl ether	108-20-3	N.D.	0.052	mg/kg	52.41
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.052	mg/kg	52.41
02019	t-Amyl methyl ether	994-05-8	N.D.	0.052	mg/kg	52.41
02020	t-Butyl alcohol	75-65-0	N.D.	1.0	mg/kg	52.41
05460	Benzene	71-43-2	N.D.	0.026	mg/kg	52.41
05461	1,2-Dichloroethane	107-06-2	N.D.	0.052	mg/kg	52.41
05466	Toluene	108-88-3	0.52	0.052	mg/kg	52.41
05471	1,2-Dibromoethane	106-93-4	N.D.	0.052	mg/kg	52.41
05474	Ethylbenzene	100-41-4	0.83	0.052	mg/kg	52.41
06301	Xylene (Total)	1330-20-7	3.9	0.052	mg/kg	52.41
	The GC/MS volatile analysis was performed according to the high level soil method due to the level of non-target compounds. Therefore, the reporting limits were raised.					

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 15:43	Linda C Pape	250
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/16/2008 01:20	Lauren C Marzario	52.41
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:13	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 17:12	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 17:11	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:10	Eric L Vera	n.a.

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Analysis Report

Lancaster Laboratories Sample No. SW5329529 **Group No. 1086018**

CPT5-S-21.5-080409 Grab Soil
Facility# 211253 CETE
930 Springtown Blvd-Livermore T0600101353 CPT5
Collected:04/09/2008 14:06 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/25/2008 at 13:53
Discard: 05/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CP521

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.94
02017	di-Isopropyl ether	108-20-3	N.D.	0.0009	mg/kg	0.94
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.0009	mg/kg	0.94
02019	t-Amyl methyl ether	994-05-8	N.D.	0.0009	mg/kg	0.94
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.94
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.94
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0009	mg/kg	0.94
05466	Toluene	108-88-3	N.D.	0.0009	mg/kg	0.94
05471	1,2-Dibromoethane	106-93-4	N.D.	0.0009	mg/kg	0.94
05474	Ethylbenzene	100-41-4	N.D.	0.0009	mg/kg	0.94
06301	Xylene (Total)	1330-20-7	N.D.	0.0009	mg/kg	0.94

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/15/2008 16:18	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/14/2008 22:59	Kelly E Brickley	0.94
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:17	Eric L Vera	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	04/11/2008 17:18	Eric L Vera	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	04/11/2008 17:15	Eric L Vera	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	04/11/2008 17:16	Eric L Vera	n.a.

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1086018
Reported: 04/25/08 at 01:53 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08105A34A	Sample number(s): 5329516-5329529							
TPH-GRO - Soils	N.D.	1.0	mg/kg	92	96	67-119	4	30
Batch number: A081051AA	Sample number(s): 5329516,5329525-5329526,5329529							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	94	95	72-117	1	30
di-Isopropyl ether	N.D.	0.001	mg/kg	104	101	72-120	3	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	94	93	67-124	1	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	93	92	73-116	0	30
t-Butyl alcohol	N.D.	0.020	mg/kg	95	90	66-146	5	30
Benzene	N.D.	0.0005	mg/kg	104	101	84-115	3	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	103	100	76-135	3	30
Toluene	N.D.	0.001	mg/kg	98	94	81-116	4	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	95	95	77-114	0	30
Ethylbenzene	N.D.	0.001	mg/kg	95	89	82-115	6	30
Xylene (Total)	N.D.	0.001	mg/kg	90	84	82-117	7	30
Batch number: Q081061AB	Sample number(s): 5329517-5329518,5329528							
Methyl Tertiary Butyl Ether	N.D.	0.025	mg/kg	93	96	72-117	3	30
di-Isopropyl ether	N.D.	0.050	mg/kg	90	91	72-120	2	30
Ethyl t-butyl ether	N.D.	0.050	mg/kg	89	91	67-124	3	30
t-Amyl methyl ether	N.D.	0.050	mg/kg	93	96	73-116	3	30
t-Butyl alcohol	N.D.	1.0	mg/kg	96	100	66-146	3	30
Benzene	N.D.	0.025	mg/kg	91	93	84-115	2	30
1,2-Dichloroethane	N.D.	0.050	mg/kg	95	98	76-135	3	30
Toluene	N.D.	0.050	mg/kg	92	94	81-116	3	30
1,2-Dibromoethane	N.D.	0.050	mg/kg	94	97	77-114	3	30
Ethylbenzene	N.D.	0.050	mg/kg	92	95	82-115	4	30
Xylene (Total)	N.D.	0.050	mg/kg	93	96	82-117	2	30
Batch number: Q081071AA	Sample number(s): 5329519,5329521							
Methyl Tertiary Butyl Ether	N.D.	0.025	mg/kg	94	97	72-117	4	30
di-Isopropyl ether	N.D.	0.050	mg/kg	91	93	72-120	2	30
Ethyl t-butyl ether	N.D.	0.050	mg/kg	89	94	67-124	5	30
t-Amyl methyl ether	N.D.	0.050	mg/kg	92	96	73-116	4	30
t-Butyl alcohol	N.D.	1.0	mg/kg	93	93	66-146	1	30
Benzene	N.D.	0.025	mg/kg	95	96	84-115	1	30
1,2-Dichloroethane	N.D.	0.050	mg/kg	98	101	76-135	3	30
Toluene	N.D.	0.050	mg/kg	93	95	81-116	2	30
1,2-Dibromoethane	N.D.	0.050	mg/kg	91	95	77-114	4	30
Ethylbenzene	N.D.	0.050	mg/kg	94	96	82-115	1	30
Xylene (Total)	N.D.	0.050	mg/kg	94	96	82-117	2	30
Batch number: Q081091AA	Sample number(s): 5329520,5329522-5329524							
Methyl Tertiary Butyl Ether	N.D.	0.025	mg/kg	97	96	72-117	1	30
di-Isopropyl ether	N.D.	0.050	mg/kg	92	91	72-120	1	30
Ethyl t-butyl ether	N.D.	0.050	mg/kg	93	91	67-124	1	30
t-Amyl methyl ether	N.D.	0.050	mg/kg	96	96	73-116	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 04/25/08 at 01:53 PM

Group Number: 1086018

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
t-Butyl alcohol	N.D.	1.0	mg/kg	98	94	66-146	4	30
Benzene	N.D.	0.025	mg/kg	95	95	84-115	1	30
1,2-Dichloroethane	N.D.	0.050	mg/kg	101	102	76-135	0	30
Toluene	N.D.	0.050	mg/kg	93	91	81-116	1	30
1,2-Dibromoethane	N.D.	0.050	mg/kg	95	97	77-114	1	30
Ethylbenzene	N.D.	0.050	mg/kg	89	89	82-115	1	30
Xylene (Total)	N.D.	0.050	mg/kg	88	88	82-117	1	30
Batch number: Q081141AA	Sample number(s): 5329527							
Methyl Tertiary Butyl Ether	N.D.	0.025	mg/kg	96	94	72-117	2	30
di-Isopropyl ether	N.D.	0.050	mg/kg	88	86	72-120	3	30
Ethyl t-butyl ether	N.D.	0.050	mg/kg	90	88	67-124	2	30
t-Amyl methyl ether	N.D.	0.050	mg/kg	92	91	73-116	1	30
t-Butyl alcohol	N.D.	1.0	mg/kg	96	97	66-146	1	30
Benzene	N.D.	0.025	mg/kg	94	91	84-115	4	30
1,2-Dichloroethane	N.D.	0.050	mg/kg	102	100	76-135	2	30
Toluene	N.D.	0.050	mg/kg	95	93	81-116	2	30
1,2-Dibromoethane	N.D.	0.050	mg/kg	97	97	77-114	1	30
Ethylbenzene	N.D.	0.050	mg/kg	94	91	82-115	3	30
Xylene (Total)	N.D.	0.050	mg/kg	95	91	82-117	4	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: A081051AA	Sample number(s): 5329516,5329525-5329526,5329529 UNSPK: 5329529								
Methyl Tertiary Butyl Ether	112		59-119						
di-Isopropyl ether	115*		58-113						
Ethyl t-butyl ether	108		60-112						
t-Amyl methyl ether	109		63-112						
t-Butyl alcohol	104		50-143						
Benzene	113*		66-112						
1,2-Dichloroethane	111		62-130						
Toluene	100		58-116						
1,2-Dibromoethane	108		66-108						
Ethylbenzene	91		54-116						
Xylene (Total)	88		52-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Soils
Batch number: 08105A34A

	Trifluorotoluene-F
5329516	71

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1086018
Reported: 04/25/08 at 01:53 PM

Surrogate Quality Control

5329517	0*
5329518	1*
5329519	1*
5329520	0*
5329521	0*
5329522	3*
5329523	6*
5329524	42*
5329525	84
5329526	76
5329527	10*
5329528	9*
5329529	83
Blank	89
LCS	90
LCSD	87
Limits:	61-122

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: A081051AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5329516	91	91	92	86
5329525	90	90	92	89
5329526	92	94	91	91
5329529	92	94	92	87
Blank	91	90	92	86
LCS	92	90	94	90
LCSD	93	95	93	90
MS	94	96	91	91
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: Q081061AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5329517	83	84	83	87
5329518	90	95	90	91
5329528	81	80	78	79
Blank	98	100	96	95
LCS	99	100	98	99
LCSD	100	101	100	99
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: Q081071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5329519	87	87	86	85
5329521	84	84	82	82
Blank	95	95	92	92
LCS	101	101	100	99
LCSD	101	104	100	99
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 04/25/08 at 01:53 PM

Group Number: 1086018

Surrogate Quality Control

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: Q081091AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5329520	78	83	78	80
5329522	84	91	86	84
5329523	81	85	79	78
5329524	90	90	84	82
Blank	98	99	93	88
LCS	102	102	98	92
LCSD	102	101	97	93
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: Q081141AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5329527	86	84	85	85
Blank	102	102	100	94
LCS	103	105	102	101
LCSD	102	100	101	101
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

041008-03

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5329516-29 SCR#: 10860018

Facility #: 21-1253 AIL
Site Address: 930 SPRINGTOWN BLVD, LIVERMORE
Chevron PM: J. ROBB Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IH/JG
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	☒ Oxygenates LEAD SCANS	Lead 7420 ☐ 7421 ☐
CPT3-19.5	S	N	19.5	08 04 07	1200	Y	X		1	X	X			X	
CPT7-5	S	N	5	08 04 08	0920	Y	X		1						
CPT7-10.5	S	N	10	08 04 09	0940	Y	X		1						
CPT7-12	S	N	12	08 04 09	0950	Y	X		1						
CPT7-17	S	N	17	08 04 09	0954	Y	X		1						
CPT7-20	S	N	20	08 04 09	1000	Y	X		1						
CPT7-25	S	N	25	08 04 09	1010	Y	X		1						
CPT7-30	S	N	30	08 04 09	1030	Y	X		1						
CPT7-35	S	N	35	08 04 09	1040	Y	X		1						
CPT7-40	S	N	40	08 04 09	1052	Y	X		1						
CPT7-42	S	N	42	08 04 09	1110	Y	X		1						
CPT7-50.5	S	N	50.5	08 04 09	1130	Y	X		1						
CPT7-55	S	N	55	08 04 09	1200	Y	X		1						

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE E-MAIL RESULTS TO
cevans@craworld.com
and
ihull@craworld.com

EDF DATA TO:
dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time	Received by:	Date	Time
Relinquished by:	4/10/08	1300		4/10/08	1300
Relinquished by:	4/10/08	1630		Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other Dlv			Received by:	Date 4/11/08	Time 0930

Temperature Upon Receipt 4.1 C° Custody Seals Intact? Yes No

3460 Rev. 10/04/01

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

041008-03

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5329516-29 SCR#: 10860018

Facility #: 211253 AIL
Site Address: 930 SPRINGTOWN BLVD., LIVERMORE
Chevron PM: J. ROBB Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: I HIBG
Service Order #: ☐ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates LEAD SCAVS	Lead 7420 ☐ 7421 ☐
CPT5-21.5	S	N	21.5	08 04 09	1406	Y	X		1	X	X			X	
~~CPT5-29.5~~	~~S~~	~~N~~	~~29.5~~	~~08 04 09~~	~~1425~~	~~Y~~	~~X~~		~~1~~	~~X~~	~~X~~			~~X~~	

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE E-MAIL RESULTS TO:
• cevans@craworld.com
• ihull@craworld.com
EDF DATA TO:
dohare@craworld.com
IMH

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	04/08/08	1300	Received by:	4/10/08	130
Relinquished by:	04/10/08	1630	Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other BAR			Received by:	4/11/08	0930
Temperature Upon Receipt 40-41 C°			Custody Seals Intact? Yes NO		

3460 Rev. 10/04/01

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1100531. Samples arrived at the laboratory on Tuesday, July 15, 2008. The PO# for this group is 0015022784 and the release number is ROBB.

Client Description	Lancaster Labs Number
CPT4-S-23.5-080714 Grab Soil	5414669

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Christine Dulaney
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. SW5414669 **Group No. 1100531**

CPT4-S-23.5-080714 Grab Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT4
Collected:07/14/2008 09:10 by IH

Account Number: 10880

Submitted: 07/15/2008 09:55
Reported: 08/12/2008 at 11:23
Discard: 09/12/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

12534

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.97
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.97
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.97
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.97
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.97
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.97
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.97

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	07/21/2008 16:33	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	07/16/2008 18:05	Chelsea B Eastep	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	07/15/2008 18:03	Lois E Hiltz	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	07/15/2008 18:05	Lois E Hiltz	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	07/15/2008 18:08	Lois E Hiltz	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	07/15/2008 18:06	Lois E Hiltz	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1100531
Reported: 08/12/08 at 11:23 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08197A31C	Sample number(s): 5414669							
TPH-GRO - Soils	N.D.	1.0	mg/kg	82	76	67-119	8	30
Batch number: B081981AA	Sample number(s): 5414669							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	90	91	72-117	1	30
di-Isopropyl ether	N.D.	0.001	mg/kg	83	85	72-120	3	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	84	85	67-124	2	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	93	93	73-116	0	30
t-Butyl alcohol	N.D.	0.020	mg/kg	93	91	66-146	2	30
Benzene	N.D.	0.0005	mg/kg	98	102	84-115	4	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	87	87	76-135	0	30
Toluene	N.D.	0.001	mg/kg	94	98	81-116	4	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	101	99	77-114	2	30
Ethylbenzene	N.D.	0.001	mg/kg	91	97	82-115	6	30
Xylene (Total)	N.D.	0.001	mg/kg	94	99	82-117	5	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08197A31C	Sample number(s): 5414669 UNSPK: P413897								
TPH-GRO - Soils	129*	169*	39-118	14	30				
Batch number: B081981AA	Sample number(s): 5414669 UNSPK: P413901								
Methyl Tertiary Butyl Ether	86		59-119						
di-Isopropyl ether	83		58-113						
Ethyl t-butyl ether	81		60-112						
t-Amyl methyl ether	86		63-112						
t-Butyl alcohol	101		50-143						
Benzene	103		66-112						
1,2-Dichloroethane	81		62-130						
Toluene	103		58-116						
1,2-Dibromoethane	91		66-108						
Ethylbenzene	97		54-116						
Xylene (Total)	99		52-117						

Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1100531
Reported: 08/12/08 at 11:23 AM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Soils
Batch number: 08197A31C

	Trifluorotoluene-F
5414669	69
Blank	80
LCS	85
LCSD	80
MS	74
MSD	75
Limits:	61-122

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B081981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5414669	92	91	90	76
Blank	90	89	91	76
LCS	87	87	96	85
LCSD	87	88	96	85
MS	86	84	99	80
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

07408-05

Acct. #: 10880 For Lancaster Laboratories use only Sample #: 5414669 SCR#: 250754

1100531

Facility #: 21-1253 AIL
Site Address: 930 SPRINGTOWN BLVD, LIVERMORE, CA
Chevron PM: IAN ROBB Lead Consultant: CRA
Consultant/Office: EMERYVILLE, CA
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates LEAD SCAVS. 8260	Lead 7420 ☐ 7421 ☐
~~SB4 18.5~~	S	N	~~18.5~~	~~08 07 14~~	~~0845~~	Y	X		1	X	X			X	
~~SB4-19.5~~	S	N	~~19.5~~	~~08 07 14~~	~~0900~~	Y	X		1	X	X			X	
~~SB4-23.5~~ *	S	N	23.5	08 07 14	0910	Y	X		1	X	X			X	
* CPT4-23.5 per I. Hull MS 7/15/08															

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE EMAIL RESULTS TO:
cevans@craworld.com
ihull
EDF DATA TO:
dchare@craworld.com
PLEASE DISCARD SB4-18.5 SB4-19.5 SAMPLES

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Relinquished by:	Date	Time	Received by:	Date	Time
1		07/14/08	1350		7/14/08	1350
2		14 JUL 08	1636	DHL		
3						
	Relinquished by Commercial Carrier: DHL			Received by:	7.15.08	0955

UPS FedEx Other

Temperature Upon Receipt 1.0-5.8 C° Custody Seals Intact? Yes No

3460 Rev. 10/04/01

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1066889. Samples arrived at the laboratory on Tuesday, November 27, 2007. The PO# for this group is 211253 and the release number is SINHA.

Client Description	Lancaster Labs Number
CPT6-25-S-24.5-071120 NA Soil	5219710

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: J. Gekov

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Susan M Goshert

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. SW 5219710

CPT6-25-S-24.5-071120 NA Soil
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT6-25
Collected:11/20/2007 10:22 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:48
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C6S25
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
07361	BTEX+5 Oxygenates+EDC+EDB					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	mg/kg	0.97
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	mg/kg	0.97
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	mg/kg	0.97
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	mg/kg	0.97
02020	t-Butyl alcohol	75-65-0	N.D.	0.019	mg/kg	0.97
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.97
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.97
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.97
05471	1,2-Dibromoethane	106-93-4	N.D.	0.001	mg/kg	0.97
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.97
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.97

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	11/28/2007 06:17	Linda C Pape	25
07361	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 02:26	Holly Berry	0.97
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	11/27/2007 13:31	Larry E Bevins	n.a.
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	2	11/27/2007 13:30	Larry E Bevins	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	11/27/2007 14:50	Larry E Bevins	n.a.
06646	GC/MS HL Bulk Sample Prep	SW-846 5030A	1	11/27/2007 14:19	Larry E Bevins	n.a.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066889
Reported: 12/19/07 at 12:48 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07331A34A	Sample number(s): 5219710							
TPH-GRO - Soils	N.D.	1.0	mg/kg	98		67-119		
Batch number: B073312AA	Sample number(s): 5219710							
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/kg	89	89	72-117	0	30
di-Isopropyl ether	N.D.	0.001	mg/kg	91	92	72-120	1	30
Ethyl t-butyl ether	N.D.	0.001	mg/kg	92	93	72-115	2	30
t-Amyl methyl ether	N.D.	0.001	mg/kg	95	95	73-116	1	30
t-Butyl alcohol	N.D.	0.020	mg/kg	103	103	59-154	0	30
Benzene	N.D.	0.0005	mg/kg	93	94	84-115	1	30
1,2-Dichloroethane	N.D.	0.001	mg/kg	115	112	76-126	2	30
Toluene	N.D.	0.001	mg/kg	94	92	81-116	2	30
1,2-Dibromoethane	N.D.	0.001	mg/kg	101	102	77-114	0	30
Ethylbenzene	N.D.	0.001	mg/kg	94	93	82-115	1	30
Xylene (Total)	N.D.	0.001	mg/kg	95	93	82-117	2	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07331A34A	Sample number(s): 5219710 UNSPK: P217492								
TPH-GRO - Soils	91	112	39-118	20	30				
Batch number: B073312AA	Sample number(s): 5219710 UNSPK: P219689								
Methyl Tertiary Butyl Ether	82		59-119						
di-Isopropyl ether	93		58-113						
Ethyl t-butyl ether	91		60-112						
t-Amyl methyl ether	95		63-112						
t-Butyl alcohol	132		51-134						
Benzene	96		66-112						
1,2-Dichloroethane	127		62-130						
Toluene	96		50-121						
1,2-Dibromoethane	104		66-108						
Ethylbenzene	98		54-116						
Xylene (Total)	97		52-117						

Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066889
Reported: 12/19/07 at 12:48 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Soils
Batch number: 07331A34A

	Trifluorotoluene-F
5219710	76
Blank	89
LCS	99
MS	93
MSD	98
Limits:	61-122

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: B073312AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5219710	103	92	94	91
Blank	100	90	95	90
LCS	101	87	96	93
LCSD	100	90	96	93
MS	102	89	97	96
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

FAUSH 11 2607 - 08

Acct. #: 10880 For Lancaster Laboratories use only Sample #: 5219710 SCR#: 240652 1066889

Facility #: 21-1253 ATL
Site Address: 930 Springtown Burkard, Livermore CA
Chevron PM: Satya Sinha Lead Consultant: CRA
Consultant/Office: 5900 Hollis St, Suite A, Emeryville, CA.
Consultant Prj. Mgr.: C. Evans
Consultant Phone #: 510-420-3348 Fax #: 510-420-9170
Sampler: J. Gekow
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates 8260 ☒	Lead 7420 ☐ 7421 ☐	12 OCM 8260 ☒	EDB 8260 ☒
CPT6-25	soil	—	24.5	07 11 20	1022	X			1	X	X			X		X	X

Comments / Remarks
Please email results to:
cevans@craworld.com
jgekow@craworld.com

send edf to
dohare@craworld

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by: Jeremy Gekow	11/20/07	1700	Received by: Secure Locker	11/20/07	1700
Relinquished by:	11/26/07	1450	Received by: Rhonda Monroe	11/26/07	1750
Relinquished by:	11/26/07	1550	Received by: DHL	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by: Kathy Bird-Ong	11-27-07	0920
Temperature Upon Receipt 2°-5.6°C Rongeo			Custody Seals Intact? Yes No		

3460 Rev. 10/04/01

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT E

Groundwater Analytic Reports

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1066888. Samples arrived at the laboratory on Tuesday, November 27, 2007. The PO# for this group is 211253 and the release number is SINHA.

Client Description	Lancaster Labs Number
CPT1-16-W-12-071126 Grab Water	5219707
CPT1-24-W-20-071126 Grab Water	5219708
CPT1-34-W-30-071126 Grab Water	5219709

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: J. Gekov

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Susan M Goshert

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5219707

CPT1-16-W-12-071126 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1-16
Collected:11/26/2007 09:40 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:48
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1W16
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,700.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	7.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	110.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	21.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	140.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/28/2007 01:53	K. Robert Caulfeild-James	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 06:03	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/28/2007 01:53	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 06:03	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5219708

CPT1-24-W-20-071126 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1-24
Collected:11/26/2007 10:10 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:48
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1W24
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	160,000.	50,000.	ug/l	1000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	25.	ug/l	50
02011	di-Isopropyl ether	108-20-3	N.D.	25.	ug/l	50
02013	Ethyl t-butyl ether	637-92-3	N.D.	25.	ug/l	50
02014	t-Amyl methyl ether	994-05-8	N.D.	25.	ug/l	50
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	50
05401	Benzene	71-43-2	4,200.	25.	ug/l	50
05402	1,2-Dichloroethane	107-06-2	N.D.	25.	ug/l	50
05407	Toluene	108-88-3	20,000.	250.	ug/l	500
05412	1,2-Dibromoethane	106-93-4	N.D.	25.	ug/l	50
05415	Ethylbenzene	100-41-4	1,700.	25.	ug/l	50
06310	Xylene (Total)	1330-20-7	15,000.	25.	ug/l	50

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/28/2007 02:22	K. Robert Caulfeild-James	1000
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 06:26	Michael A Ziegler	50
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 06:49	Michael A Ziegler	500
01146	GC VOA Water Prep	SW-846 5030B	1	11/28/2007 02:22	K. Robert Caulfeild-James	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 06:26	Michael A Ziegler	50
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/28/2007 06:49	Michael A Ziegler	500

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Analysis Report

Lancaster Laboratories Sample No. WW 5219708

CPT1-24-W-20-071126 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1-24
Collected:11/26/2007 10:10 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:48
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1W24

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5219709

CPT1-34-W-30-071126 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1-34
Collected:11/26/2007 10:40 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:48
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1W34
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	30,000.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	2.	ug/l	4
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	4
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	4
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	4
02015	t-Butyl alcohol	75-65-0	N.D.	8.	ug/l	4
05401	Benzene	71-43-2	1,500.	10.	ug/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	4
05407	Toluene	108-88-3	1,600.	10.	ug/l	20
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	4
05415	Ethylbenzene	100-41-4	710.	2.	ug/l	4
06310	Xylene (Total)	1330-20-7	2,900.	10.	ug/l	20

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/28/2007 02:52	K. Robert Caulfeild-James	10
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 07:12	Michael A Ziegler	4
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 07:35	Michael A Ziegler	20
01146	GC VOA Water Prep	SW-846 5030B	1	11/28/2007 02:52	K. Robert Caulfeild-James	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 07:12	Michael A Ziegler	4
01163	GC/MS VOA Water Prep	SW-846 5030B	2	11/28/2007 07:35	Michael A Ziegler	20

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Analysis Report

Lancaster Laboratories Sample No. WW 5219709

CPT1-34-W-30-071126 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT1-34
Collected:11/26/2007 10:40 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:48
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C1W34

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066888
Reported: 12/19/07 at 12:48 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07332A07A	Sample number(s): 5219707-5219709							
TPH-GRO - Waters	N.D.	50.	ug/l	108	120	75-135	11	30
Batch number: D073314AA	Sample number(s): 5219707-5219709							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	100		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	101		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	100		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	95		74-117		
Benzene	N.D.	0.5	ug/l	100		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	98		69-135		
Toluene	N.D.	0.5	ug/l	104		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	101		81-114		
Ethylbenzene	N.D.	0.5	ug/l	101		82-119		
Xylene (Total)	N.D.	0.5	ug/l	104		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07332A07A	Sample number(s): 5219707-5219709 UNSPK: P219702								
TPH-GRO - Waters	125		63-154						
Batch number: D073314AA	Sample number(s): 5219707-5219709 UNSPK: P215875								
Methyl Tertiary Butyl Ether	102	99	69-127	2	30				
di-Isopropyl ether	104	103	68-129	1	30				
Ethyl t-butyl ether	103	100	78-119	3	30				
t-Amyl methyl ether	103	101	72-125	2	30				
t-Butyl alcohol	97	99	70-121	1	30				
Benzene	106	104	83-128	2	30				
1,2-Dichloroethane	98	98	70-143	0	30				
Toluene	107	104	83-127	3	30				
1,2-Dibromoethane	102	100	78-120	2	30				
Ethylbenzene	106	104	82-129	2	30				
Xylene (Total)	106	104	82-130	2	30				

Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1066888
Reported: 12/19/07 at 12:48 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Waters
Batch number: 07332A07A

	Trifluorotoluene-F
5219707	118
5219708	109
5219709	147*
Blank	108
LCS	115
LCSD	115
MS	117
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: D073314AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5219707	97	99	104	104
5219708	95	99	104	100
5219709	96	100	108	103
Blank	98	102	97	96
LCS	99	100	101	106
MS	99	102	103	105
MSD	102	101	104	107
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

242854

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RUSH 112607-08

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5219707-09 SCR#: 1066888

Facility #: 211253 AIL
Site Address: 930 Spring Town Blvd, Livermore, CA
Chevron PM: ~~Tom Kobb~~ Sinha per C. Evans Lead Consultant: CRA 11-27-07
Consultant/Office: CRA/Emeryville
Consultant Prj. Mgr.: C. Evans.
Consultant Phone #: (510) 420-0700 Fax #: 510-420-9170
Sampler: J. Gekov
Service Order #: ☐ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers
CPT1-16	WG	—	12	07 11 26	9:40	X	X		6
CPT1-24	Water	—	20	07 11 26	10:10	X	X		6
CPT1-34	water	—	30	07 11 26	10:40	X	X		6

Analyses Requested

Preservation Codes

BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates 8260B	Lead 7420 ☐ 7421 ☐	1,2 DCA 8260B	EDB 8260B
X	X			X		X	X
X	X			X		X	X
X	X			X		X	X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
email results to:
cevans@craworld.com
jgekov@craworld.com
send edf to:
dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
(24 hour) 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	11/26/07	1450	Received by:	11-26-07	1450
Relinquished by:	11-26-07	1530	Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: DHL			Received by:	11-27-07	0820

UPS FedEx Other
Temperature Upon Receipt 2.°-5.6° Range
Custody Seals Intact? (Yes) No

3460 Rev. 10/04/01

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1066887. Samples arrived at the laboratory on Tuesday, November 27, 2007. The PO# for this group is 211253 and the release number is SINHA.

Client Description	Lancaster Labs Number
CPT6-32-W-29-071120 Grab Water	5219702
CPT6-48-W-44-071120 Grab Water	5219703
CPT2-16-W-12-071120 Grab Water	5219704
CPT2-24-W-20-071120 Grab Water	5219705
CPT2-34-W-30-071120 Grab Water	5219706

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: J. Gekov

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5219702

CPT6-32-W-29-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT6-32
Collected:11/20/2007 10:35 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C6W32
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	94.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/27/2007 23:22	K. Robert Caulfeild-James	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 04:08	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/27/2007 23:22	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 04:08	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5219703

CPT6-48-W-44-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT6-48
Collected:11/20/2007 11:10 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C6W48
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/27/2007 23:52	K. Robert Caulfeild-James	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 04:32	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5219703

CPT6-48-W-44-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT6-48
Collected:11/20/2007 11:10 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C6W48

01146	GC VOA Water Prep	SW-846 5030B	1	11/27/2007 23:52	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 04:32	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5219704

CPT2-16-W-12-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2-16
Collected:11/20/2007 13:15 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C2W16
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	0.6	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/28/2007 00:24	K. Robert Caulfeild-James	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 04:55	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/28/2007 00:24	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 04:55	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5219705

CPT2-24-W-20-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2-24
Collected:11/20/2007 13:30 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C2W24
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	2,000.	50.	ug/l	1

The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.
Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	0.6	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 5.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5219705

CPT2-24-W-20-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2-24
Collected:11/20/2007 13:30 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C2W24

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/28/2007 00:54	K. Robert Caulfeild-James	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 05:18	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/28/2007 00:54	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 05:18	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5219706

CPT2-34-W-30-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2-34
Collected:11/20/2007 14:15 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C2W34
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	4.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 3.

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	11/28/2007 01:23	K. Robert Caulfeild-James	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	11/28/2007 05:40	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5219706

CPT2-34-W-30-071120 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT2-34
Collected:11/20/2007 14:15 by JG

Account Number: 10880

Submitted: 11/27/2007 09:20
Reported: 12/19/2007 at 12:47
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

C2W34

01146	GC VOA Water Prep	SW-846 5030B	1	11/28/2007 01:23	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2007 05:40	Michael A Ziegler	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066887
Reported: 12/19/07 at 12:47 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07332A07A	Sample number(s): 5219702-5219706							
TPH-GRO - Waters	N.D.	50.	ug/l	108	120	75-135	11	30
Batch number: D073314AA	Sample number(s): 5219702-5219706							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	100		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	101		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	100		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	95		74-117		
Benzene	N.D.	0.5	ug/l	100		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	98		69-135		
Toluene	N.D.	0.5	ug/l	104		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	101		81-114		
Ethylbenzene	N.D.	0.5	ug/l	101		82-119		
Xylene (Total)	N.D.	0.5	ug/l	104		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07332A07A	Sample number(s): 5219702-5219706 UNSPK: 5219702								
TPH-GRO - Waters	125		63-154						
Batch number: D073314AA	Sample number(s): 5219702-5219706 UNSPK: P215875								
Methyl Tertiary Butyl Ether	102	99	69-127	2	30				
di-Isopropyl ether	104	103	68-129	1	30				
Ethyl t-butyl ether	103	100	78-119	3	30				
t-Amyl methyl ether	103	101	72-125	2	30				
t-Butyl alcohol	97	99	70-121	1	30				
Benzene	106	104	83-128	2	30				
1,2-Dichloroethane	98	98	70-143	0	30				
Toluene	107	104	83-127	3	30				
1,2-Dibromoethane	102	100	78-120	2	30				
Ethylbenzene	106	104	82-129	2	30				
Xylene (Total)	106	104	82-130	2	30				

Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1066887
Reported: 12/19/07 at 12:47 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Waters
Batch number: 07332A07A

	Trifluorotoluene-F
5219702	112
5219703	108
5219704	107
5219705	125
5219706	107
Blank	108
LCS	115
LCSD	115
MS	117
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: D073314AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5219702	99	101	102	102
5219703	98	99	99	99
5219704	98	100	100	98
5219705	98	101	101	110
5219706	98	103	99	97
Blank	98	102	97	96
LCS	99	100	101	106
MS	99	102	103	105
MSD	102	101	104	107
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

242835

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Where quality is a science.

RUSH

112607-06

Acct. #: 10880

For Lancaster Laboratories use only
Sample #: 5219702-06
SCR#: 1066887

Facility #: 21-1253 AIL
Site Address: 930 Springtown Blvd, Livermore CA
Chevron PM: Satya Sinha Lead Consultant: CRA
Consultant/Office: Emeryville
Consultant Prj. Mgr.: Charlotte Evans
Consultant Phone #: 510-420-3348 Fax #: 510-420-9170
Sampler: J. Gekor
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates 8260B	Lead 7420 ☐ 7421 ☐	1,2 DCA 8260B	EDB 8260B	
CPT6-32	Water	—	29'	07 11 20	10:35	X	X		6	X	X			X		X	X	
CPT6-48	Water	—	44	07 11 20	11:10	X	X		6	X	X			X		X	X	
CPT2-16	Water	—	12	07 11 20	13:15	X	X		6	X	X			X		X	X	
CPT2-24	Water	—	20	07 11 20	13:30	X	X		6	X	X			X		X	X	
CPT2-34	Water	—	80	07 11 20	14:15	X	X		6	X	X			X		X	X	

Comments / Remarks
email results to:
cevans@craworld.com
jgekor@craworld.com

send edf to
dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour
(24 hour) | 4 day | 5 day

Data Package Options (please circle if required)
QC Summary | Type I – Full
Type VI (Raw Data) | ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	11/20/07	1700	Received by: Secure Location	11/20/07	1700
Relinquished by:	11/26/07	1450	Received by:	11/26/07	1450
Relinquished by:	11/27/07	1520	Received by:	11/27/07	1520
Relinquished by Commercial Carrier: DHL			Received by: Kathy Binkley	11-27-07	0920
UPS FedEx Other					
Temperature Upon Receipt 2.°-5.6° Range			Custody Seals Intact? (Yes) No		

3460 Rev. 10/04/01

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1086081. Samples arrived at the laboratory on Friday, April 11, 2008. The PO# for this group is 0015024486 and the release number is ROBB.

Client Description	Lancaster Labs Number
CPT3-W-26-080407 Grab Water	5329946
CPT3-W-40-080407 Grab Water	5329947
CPT3-W-50-080407 Grab Water	5329948
CPT7-W-13-080408 Grab Water	5329949
CPT7-W-43-080408 Grab Water	5329950
CPT5-W-28.5-080409 Grab Water	5329951
CPT5-W-38-080409 Grab Water	5329952
CPT5-W-45-080409 Grab Water	5329953

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Christine Dulaney
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5329946 **Group No. 1086081**

CPT3-W-26-080407 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT3
Collected:04/07/2008 11:30 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL326

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	1,500.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	1.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	1.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	1.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 09:12	Patrick N Evans	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/18/2008 14:54	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 09:12	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/18/2008 14:54	Anita M Dale	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5329947 **Group No. 1086081**

CPT3-W-40-080407 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT3
Collected:04/07/2008 12:55 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL340

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 09:44	Patrick N Evans	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/18/2008 15:15	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 09:44	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/18/2008 15:15	Anita M Dale	1

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Analysis Report

Lancaster Laboratories Sample No. WW5329948 **Group No. 1086081**

CPT3-W-50-080407 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT3
Collected:04/07/2008 13:20 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL350

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 10:50	Patrick N Evans	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/18/2008 15:37	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 10:50	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/18/2008 15:37	Anita M Dale	1

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Analysis Report

Lancaster Laboratories Sample No. WW5329949 **Group No. 1086081**

CPT7-W-13-080408 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT7
Collected:04/08/2008 11:15 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL713

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	3,600.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	21.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	25.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	0.8	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	47.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	110.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 07:20	Patrick N Evans	5
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/21/2008 09:32	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 07:20	Patrick N Evans	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/21/2008 09:32	Ginelle L Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW5329950 **Group No. 1086081**

CPT7-W-43-080408 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT7
Collected:04/08/2008 12:35 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL743

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	11,000.	250.	ug/l	5
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1.	ug/l	2.5
02011	di-Isopropyl ether	108-20-3	N.D.	1.	ug/l	2.5
02013	Ethyl t-butyl ether	637-92-3	N.D.	1.	ug/l	2.5
02014	t-Amyl methyl ether	994-05-8	N.D.	1.	ug/l	2.5
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	2.5
05401	Benzene	71-43-2	3.	1.	ug/l	2.5
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	2.5
05407	Toluene	108-88-3	270.	1.	ug/l	2.5
05412	1,2-Dibromoethane	106-93-4	N.D.	1.	ug/l	2.5
05415	Ethylbenzene	100-41-4	490.	1.	ug/l	2.5
06310	Xylene (Total)	1330-20-7	2,100.	13.	ug/l	25

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 04:53	Patrick N Evans	5
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/21/2008 09:56	Ginelle L Feister	2.5
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/21/2008 10:21	Ginelle L Feister	25
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 04:53	Patrick N Evans	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/21/2008 09:56	Ginelle L Feister	2.5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	04/21/2008 10:21	Ginelle L Feister	25

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Analysis Report

Lancaster Laboratories Sample No. WW5329951 **Group No. 1086081**

CPT5-W-28.5-080409 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT5
Collected:04/09/2008 14:45 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL528

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	200.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	0.5	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	6.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	6.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	31.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 00:00	Patrick N Evans	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/21/2008 10:45	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 00:00	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/21/2008 10:45	Ginelle L Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW5329952 **Group No. 1086081**

CPT5-W-38-080409 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT5
Collected:04/09/2008 15:10 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL538

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 10:17	Patrick N Evans	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/21/2008 11:09	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 10:17	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/21/2008 11:09	Ginelle L Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW5329953 **Group No. 1086081**

CPT5-W-45-080409 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT5
Collected:04/09/2008 15:35 by IH

Account Number: 10880

Submitted: 04/11/2008 09:30
Reported: 04/22/2008 at 13:52
Discard: 05/23/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SL454

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	04/15/2008 11:23	Patrick N Evans	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	04/21/2008 12:22	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/15/2008 11:23	Patrick N Evans	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/21/2008 12:22	Ginelle L Feister	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1086081
Reported: 04/22/08 at 01:52 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08105A51A	Sample number(s): 5329946-5329948,5329952-5329953							
TPH-GRO - Waters	N.D.	50.	ug/l	109	108	75-135	1	30
Batch number: 08105A54A	Sample number(s): 5329949-5329951							
TPH-GRO - Waters	N.D.	50.	ug/l	110	106	75-135	4	30
Batch number: E081091AA	Sample number(s): 5329946-5329948							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	91		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	90		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	93		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	100		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	99		74-117		
Benzene	N.D.	0.5	ug/l	92		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	91		69-135		
Toluene	N.D.	0.5	ug/l	90		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	92		81-114		
Ethylbenzene	N.D.	0.5	ug/l	92		82-119		
Xylene (Total)	N.D.	0.5	ug/l	93		83-113		
Batch number: Z081121AA	Sample number(s): 5329949-5329953							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	89		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	86		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	88		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	87		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	96		74-117		
Benzene	N.D.	0.5	ug/l	90		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	93		69-135		
Toluene	N.D.	0.5	ug/l	92		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	93		81-114		
Ethylbenzene	N.D.	0.5	ug/l	92		82-119		
Xylene (Total)	N.D.	0.5	ug/l	92		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08105A51A	Sample number(s): 5329946-5329948,5329952-5329953 UNSPK: P329136								
TPH-GRO - Waters	129	127	63-154	1	30				
Batch number: 08105A54A	Sample number(s): 5329949-5329951 UNSPK: P329678								
TPH-GRO - Waters	112	129	63-154	8	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1086081
Reported: 04/22/08 at 01:52 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: E081091AA	Sample number(s): 5329946-5329948 UNSPK: P328302								
Methyl Tertiary Butyl Ether	94	95	69-127	2	30				
di-Isopropyl ether	97	96	68-129	1	30				
Ethyl t-butyl ether	95	96	78-119	1	30				
t-Amyl methyl ether	99	100	72-125	1	30				
t-Butyl alcohol	96	100	70-121	3	30				
Benzene	99	100	83-128	1	30				
1,2-Dichloroethane	96	99	70-143	3	30				
Toluene	96	101	83-127	5	30				
1,2-Dibromoethane	94	95	78-120	1	30				
Ethylbenzene	97	99	82-129	2	30				
Xylene (Total)	97	99	82-130	1	30				
Batch number: Z081121AA	Sample number(s): 5329949-5329953 UNSPK: 5329952								
Methyl Tertiary Butyl Ether	96	100	69-127	4	30				
di-Isopropyl ether	94	97	68-129	3	30				
Ethyl t-butyl ether	96	100	78-119	4	30				
t-Amyl methyl ether	95	99	72-125	4	30				
t-Butyl alcohol	100	103	70-121	3	30				
Benzene	103	106	83-128	2	30				
1,2-Dichloroethane	101	103	70-143	1	30				
Toluene	105	106	83-127	1	30				
1,2-Dibromoethane	99	101	78-120	3	30				
Ethylbenzene	105	107	82-129	2	30				
Xylene (Total)	104	105	82-130	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Waters
Batch number: 08105A51A

	Trifluorotoluene-F
5329946	125
5329947	110
5329948	112
5329952	110
5329953	111
Blank	110
LCS	108
LCSD	115
MS	113
MSD	114
Limits:	63-135

Analysis Name: TPH-GRO - Waters
Batch number: 08105A54A

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 04/22/08 at 01:52 PM

Group Number: 1086081

Surrogate Quality Control

	Trifluorotoluene-F
5329949	87
5329950	88
5329951	85
Blank	87
LCS	83
LCSD	92
MS	101
MSD	102
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: E081091AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5329946	93	88	93	90
5329947	93	89	91	89
5329948	94	93	91	91
Blank	93	86	92	93
LCS	91	91	90	94
MS	93	86	92	92
MSD	93	91	92	92
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: Z081121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5329949	82	84	88	91
5329950	82	83	87	89
5329951	83	84	86	85
5329952	84	84	86	84
5329953	83	84	87	84
Blank	82	83	87	84
LCS	81	84	86	85
MS	84	85	86	86
MSD	84	85	86	86
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

041008-03

For Lancaster Laboratories use only
Acct. #: 10880 Sample #: 5329946-53 SCR#:

242853

C# 1086081

Facility #: 211253 AIL
Site Address: 930 SPRINGTOWN BLVD
Chevron PM: IAN ROBB Lead Consultant: CRA
Consultant/Office: EMERYVILLE
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170
Sampler: IH/JG
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates ➡ LEAD SCAVS.	Lead 7420 ☐ 7421 ☐
CPT3-26	W	N	22	08 04 07	1130	Y	X		6	X	X			X	
CPT3-40	W	N	40	08 04 07	1255	Y	X		6	X	X			X	
CPT3-50	W	N	50	08 04 07	1320	Y	X		6	X	X			X	
CPT7-13	W	N	13	08 04 08	1115	Y	X		6	X	X			X	
CPT7-43	W	N	43	08 04 08	1235	Y	X		6	X	X			X	
CPT5-28.5	W	N	28.5	08 04 09	1445	Y	X		6	X	X			X	
CPT5-38	W	N	38	08 04 09	1510	Y	X		6	X	X			X	
CPT5-45	W	N	45	08 04 09	1535	Y	X		6	X	X			X	

Comments / Remarks
PLEASE EMAIL RESULTS TO:
- cevans@craworld.com
- ihull@craworld.com

EDF DATA TO:
dohare@craworld.com

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Relinquished by:	Date	Time	Received by:	Date	Time
1		04/10/08	1300		4/10/08	1300
2		4/10/08	1630		Date	Time
3		Date	Time		Date	Time
	Relinquished by Commercial Carrier: UPS FedEx Other Dave			Received by:	Date 4/11/08	Time 0930

Temperature Upon Receipt 4.0+1 C° Custody Seals Intact? Yes No

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1100530. Samples arrived at the laboratory on Tuesday, July 15, 2008. The PO# for this group is 0015022784 and the release number is ROBB.

Client Description	Lancaster Labs Number
CPT4-W-24-080714 Grab Water	5414667
CPT4-W-48-080714 Grab Water	5414668

ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,

Christine Dulaney
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5414667 **Group No. 1100530**

CPT4-W-24-080714 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT-4
Collected:07/14/2008 09:30 by IH

Account Number: 10880

Submitted: 07/15/2008 09:55
Reported: 08/12/2008 at 11:21
Discard: 09/12/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

25341

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	07/21/2008 20:12	Carrie E Youtzy	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	07/24/2008 19:56	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/21/2008 20:12	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/24/2008 19:56	Ginelle L Feister	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5414668 **Group No. 1100530**

CPT4-W-48-080714 Grab Water
Facility# 211253 CETE
930 Springtown-Livermore T0600101353 CPT-4
Collected:07/14/2008 10:14 by IH

Account Number: 10880

Submitted: 07/15/2008 09:55
Reported: 08/12/2008 at 11:21
Discard: 09/12/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

25342

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
06058	BTEX+5 Oxygenates+EDC+EDB					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	07/21/2008 20:23	Carrie E Youtzy	1
06058	BTEX+5 Oxygenates+EDC+EDB	SW-846 8260B	1	07/21/2008 15:31	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/21/2008 20:23	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 15:31	Ginelle L Feister	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1100530
Reported: 08/12/08 at 11:21 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08203A20A	Sample number(s): 5414668							
TPH-GRO - Waters	N.D.	50.	ug/l	109	105	75-135	3	30
Batch number: 08203B20A	Sample number(s): 5414667							
TPH-GRO - Waters	N.D.	50.	ug/l	104	103	75-135	1	30
Batch number: D082031AA	Sample number(s): 5414668							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	108		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	109		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	108		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	107		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	112		74-117		
Benzene	N.D.	0.5	ug/l	107		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	110		69-135		
Toluene	N.D.	0.5	ug/l	106		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	108		81-114		
Ethylbenzene	N.D.	0.5	ug/l	109		82-119		
Xylene (Total)	N.D.	0.5	ug/l	108		83-113		
Batch number: Z082061AA	Sample number(s): 5414667							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	112		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	111		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	112		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	113		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	101		74-117		
Benzene	N.D.	0.5	ug/l	109		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	111		69-135		
Toluene	N.D.	0.5	ug/l	110		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	110		81-114		
Ethylbenzene	N.D.	0.5	ug/l	110		82-119		
Xylene (Total)	N.D.	0.5	ug/l	111		83-113		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08203A20A	Sample number(s): 5414668 UNSPK: P414646								
TPH-GRO - Waters	110		63-154						
Batch number: 08203B20A	Sample number(s): 5414667 UNSPK: P414647								
TPH-GRO - Waters	98		63-154						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1100530
Reported: 08/12/08 at 11:21 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D082031AA	Sample number(s): 5414668			UNSPK: P413543					
Methyl Tertiary Butyl Ether	107	111	69-127	4	30				
di-Isopropyl ether	109	114	68-129	5	30				
Ethyl t-butyl ether	107	113	78-119	5	30				
t-Amyl methyl ether	103	107	72-125	4	30				
t-Butyl alcohol	108	112	70-121	4	30				
Benzene	112	117	83-128	4	30				
1,2-Dichloroethane	112	117	70-143	5	30				
Toluene	113	116	83-127	3	30				
1,2-Dibromoethane	106	109	78-120	2	30				
Ethylbenzene	113	118	82-129	4	30				
Xylene (Total)	112	117	82-130	4	30				
Batch number: Z082061AA	Sample number(s): 5414667			UNSPK: P419613					
Methyl Tertiary Butyl Ether	112	114	69-127	1	30				
di-Isopropyl ether	114	110	68-129	3	30				
Ethyl t-butyl ether	109	112	78-119	3	30				
t-Amyl methyl ether	108	113	72-125	4	30				
t-Butyl alcohol	99	98	70-121	1	30				
Benzene	112	110	83-128	1	30				
1,2-Dichloroethane	110	111	70-143	0	30				
Toluene	114	113	83-127	1	30				
1,2-Dibromoethane	107	110	78-120	3	30				
Ethylbenzene	113	113	82-129	0	30				
Xylene (Total)	113	113	82-130	0	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO - Waters
Batch number: 08203A20A

	Trifluorotoluene-F
5414668	80
Blank	83
LCS	110
LCSD	108
MS	108
Limits:	63-135

Analysis Name: TPH-GRO - Waters
Batch number: 08203B20A

	Trifluorotoluene-F
5414667	90
Blank	87
LCS	114

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1100530
Reported: 08/12/08 at 11:21 AM

Surrogate Quality Control

LCSD	113
MS	108
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: D082031AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5414668	94	96	97	105
Blank	96	97	95	102
LCS	101	103	98	107
MS	98	97	95	104
MSD	98	101	97	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB
Batch number: Z082061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5414667	93	90	94	92
Blank	92	90	96	91
LCS	92	92	95	94
MS	92	91	95	93
MSD	92	93	94	93
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

071408-06

Acct. #: 10880 | For Lancaster Laboratories use only Sample #: 5414667-68 | SCR#: 1100530

Facility #: 21-1253 AIL
Site Address: 930 SPRINGTOWN BLVD., LIVERMORE, CA
Chevron PM: FAN ROBB | Lead Consultant: CRA
Consultant/Office: EMERYVILLE, CA
Consultant Prj. Mgr.: CHARLOTTE EVANS
Consultant Phone #: 510-420-3351 | Fax #: 510-420-9170
Sampler: IAN HULL
Service Order #: | ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	7 Oxygenates LEAD 8260	Lead 7420 ☐ 7421 ☐
* ~~SB4-24~~ CPT4-24	W		24	08 07 14	0930	Y	X		4	X	X			X	
* ~~SB4-48~~ CPT4-48	W		48	08 07 14	1014	Y	X		6	X	X			X	
* per I. Hull MS 7/15/08															

Preservative Codes
H = HCl | T = Thiosulfate
N = HNO_3 | B = NaOH
S = H_2SO_4 | O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
PLEASE EMAIL RESULTS TO:
cevans@craworld.com
ihull
EDF TO:
dshare@craworld.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day

Data Package Options (please circle if required)
QC Summary | Type I – Full
Type VI (Raw Data) | ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	07/14/08	1350	Received by:	7/14/08	1350
Relinquished by:	14JUL08	1638	Received by: DHL		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by:	7-15-08	0955

Temperature Upon Receipt 10-5.8 C° | Custody Seals Intact? Yes No

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT F

KHM Environmental Management, Inc.
Well Destructions Report

ENVIRONMENTAL MANAGEMENT, INC.

Facility Number 21253
General Correspondences ☑
Service Reqs./Proposals ☐
Permits/Bonds ☐
Drawings/Photos/Notes ☐
Spill & Leak Reports ☐
Legal/Easements/Lic. ☐
Reports ☐

January 7, 2003
Project: D211-253-H

Mr. Wyman Hong
Zone 7 Water Agency
5997 Parkside Drive
Pleasanton, California 94588

Re: Well Destructions – MW-1 through MW-5, MW-8, MW-A, MW-B, EW-1, VE-1, and SP-1
Former Texaco Service Station
930 Springtown Blvd.
Livermore, California

Dear Mr. Hong:

KHM Environmental Management, Inc. (KHM) has prepared this letter documenting the destruction of monitoring wells MW-1 through MW-5, MW-8, MW-A, MW-B, EW-1, VE-1, and SP-1, located at and adjacent to 930 Springtown Blvd., Livermore, California (Figure 1). The property was formerly the site of a Texaco service station. Authorization to destroy the remaining site monitoring wells was provided by the Alameda County Health Care Services Agency in a letter dated March 8, 2002. KHM provided services on this project as a Network Associate with Delta Environmental Consultants, Inc.

Prior to field activities, a permit to destroy the well was obtained from the Alameda County Water District (Permit #: 22149). An encroachment permit to destroy well MW-8 was obtained from the City of Livermore (Permit #: EN020610). Copies of the permits are provided in Attachment A.

The wells were destroyed on December 16, 17, and 19, 2002. KHM employed Gregg Drilling to destroy the wells (License C57-485165). KHM personnel oversaw all well destruction activities. Each well was pressured grouted for approximately 10 minutes with cement grout. Well casings were cut off approximately 2-feet below grade and the cement was allowed to spill over the top of the casing to form a cap. The remaining hole was backfilled with compacted material and matched to the surrounding surface.

One drum, filled with plastic pipe and cement, was generated from the well destruction activities. KHM arranged for disposal of the noted drum with Integrated Waste Management.

Should you have any questions please call (408) 224-4724.

Sincerely,
KHM Environmental Management, Inc.

Vera Fischer
Staff Geologist

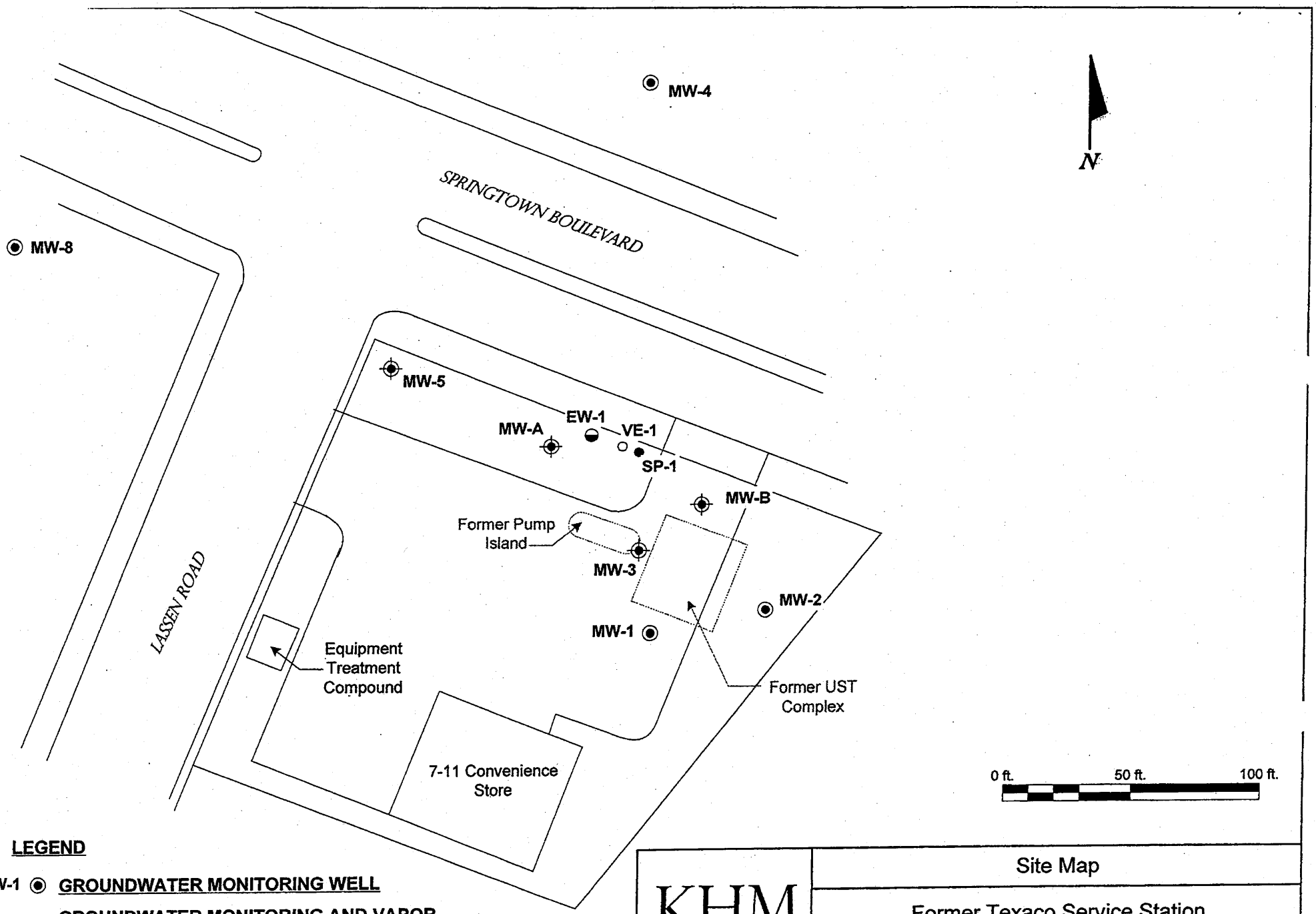
R. Lee Dooley
CHG 183

REGISTERED GEOLOGIST
R. LEE DOOLEY
No. 0183
CERTIFIED
HYDROGEOLOGIST
EXP. 04/03
STATE OF CALIFORNIA

Attachments:

Figure 1 – Site Map
Attachment A – Permits

cc: Mr. Jim Brownell, Delta Environmental Consultants, 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 94670



LEGEND

- MW-1 ◉ **GROUNDWATER MONITORING WELL**
- MW-A ⊕ **GROUNDWATER MONITORING AND VAPOR EXTRACTION WELL**
- EW-1 ◒ **GROUNDWATER EXTRACTION WELL**
- VE-1 ○ **SOIL VAPOR EXTRACTION WELL**
- SP-1 ● **AIR SPARGE WELL**

KHM
ENVIRONMENTAL MANAGEMENT, INC.

Site Map

Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California

DATE	PROJECT	EXHIBIT
1/07/03	D211-235-H	1

ATTACHMENT A

PERMITS

ADD

City of Livermore

Community Development Department
1052 S. Livermore Avenue
Livermore, CA 94550
(925) 960-4500

Encroachment
Permit No. EN020610
Site

PERMIT TO DO WORK IN ACCORDANCE WITH CHAPTER 12.08 OF THE LIVERMORE MUNICIPAL CODE AND SPECIFICATIONS AS ADOPTED BY THE CITY OF LIVERMORE AND ANY SPECIAL REQUIREMENTS SHOWN OR LISTED HEREIN.

Permit Fee:	$27.00
Inspection Fee:	$27.00
Bond:	$0.00
Total:	***$54.00***

Applicant/Permittee:
Name: ENVIRONMENTAL MANAGEMENT, INC.
Address: 6284 SAN IGNACIO AVE., SUITE E
SAN JOSE CA 95119
Phone: (408)224-4724

Contractor:
Name:
Address:

Phone:

PLEASE READ THIS PERMIT CAREFULLY. KEEP IT AT THE WORK SITE. TO ARRANGE FOR AN INSPECTION, PHONE (925) 373-5240 AT LEAST 24 HOURS BEFORE YOU START WORK.

JOB LOCATION: ***930 SPRINGTOWN BOULEVARD *******
DESCRIPTION OF WORK: ***Destroy groundwater monitoring well -MW-8 @ back of sidewalk per attached work plan and restore landscaping.***

Length of Excavation: L.F. **Width:** L.F. **Depth:** L.F.

Attention is directed to the General Provisions printed on the reverse side of this permit and to the attached special requirements (to be determined as needed by the Engineering Division).

Prosecution of Work: All work authorized by the permit shall be performed in a workmanlike, diligent, and expeditious manner, and must be completed to the satisfaction of the Director of Public Works.

Liability and Damages: The permittee shall be responsible for all liability imposed by law for personal injury or property damage which may arise out of the work permitted and done by permittee under this permit, or which may arise out of the failure on the part of the permittee to perform his obligations under said permit in respect to maintenance and encroachment. The permittee shall protect and indemnify the City of Livermore, its officers and employees, and save them harmless in every way from all action at law for damage or injury to persons or property that may arise out of or be occasioned in any way because of his operations as provided in this permit.

Signature of Permittee:

By: Lisa Fiske

Date: 11/8/02

City Engineer:

By:

Date of Issue: 11-18-02

Work Completed:

Date:

Inspector:

CONESTOGA-ROVERS
& ASSOCIATES

ATTACHMENT G

KHM Environmental Management, Inc.
Request for Closure

ENVIRONMENTAL MANAGEMENT, INC.

December 10, 2001
Project No. C80-000930A1

DEC 1 2 2001

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Former Texaco Service Station**
930 Springtown Boulevard
Livermore, California
Incident No. 91995053

Dear Ms. chu:

KHM Environmental Management, Inc. (KHM) recently reviewed your letter to Ms. Karen Petryna of Equiva Services LLC (Equiva) dated November 28, 2001. In the letter you indicated that you intend to make a determination that no further action is required at the above site or issue a closure letter. KHM, on behalf of Equiva, requests that case closure be granted for the subject site.

CASE CLOSURE

Case closure is requested based on the following facts:

- All sources of petroleum hydrocarbons have been removed from the site. Underground storage tanks were removed in June 1985. The property is currently the site of a 7-Eleven convenience store.

- A soil vapor extraction (SVE) system that operated at the site was effective in removing petroleum hydrocarbons from the vadose zone. In an email to Karen Petryna dated November 28, 2001, you requested "the amount of hydrocarbons removed from [by] the soil vapor extraction system that operated from September 1994 to October 1995." KHM has reviewed its internal files and Equiva project files. KHM was unable to find a table with the amount of petroleum hydrocarbons removed by the SVE system. However, KHM did find a series of graphs showing total petroleum hydrocarbons as gasoline (TPH-g) and benzene concentrations in SVE wells during the period of September 1994 through August 1995 (Attachment

A). The graphs clearly show the effectiveness of the SVE system in removing petroleum hydrocarbons from the vadose zone soil.

- The effectiveness of the SVE system was confirmed by analysis of soil samples collected from the vadose zone in June 2001, (KHM, August 15, 2001). TPH-g was detected in only two of the eleven soil samples analyzed. TPH-g was detected in the two samples at 11 milligrams per kilogram (mg/kg) and 14 mg/kg. These concentrations are well below the California Regional Water Quality Control Board, San Francisco Bay Region risk-based screening level of 100 mg/kg.

- The dissolved petroleum hydrocarbon groundwater plume is small (0.1 acres) and stable in size and shape. The fourth quarter 2001 groundwater monitoring report is attached.

- Methyl tert-butyl ether (MTBE) was not detected by EPA Method 8260 in any groundwater samples from the most recent sampling event. The one time detection of MTBE by EPA Method 8260 in Well MW-8 (June 28, 2001) is considered to be anomalous.

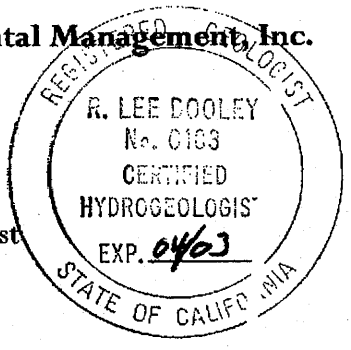
- No registered water supply wells were identified within ½-mile of the site.

- Current conditions do not pose a threat to human health or the environment based on a risk-based corrective action (RBCA) analysis performed by KHM in August 2001.

KHM, on behalf of Equiva, requests that case closure be granted for the former Texaco service station located at 930 Springtown Boulevard, Livermore, California. Per your request, a copy of your November 28, 2001 letter has sent to the current owner of the property – 7-Eleven, Inc., 2711 North Haskell Avenue, Dallas, Texas 75204-2906.

Please call me if I can be of assistance during your review of site information.

Sincerely,
KHM Environmental Management, Inc.



R. Lee Dooley
Senior Hydrogeologist
CHG 0183

REFERENCE

KHM Environmental Management, Inc., *Vadose Zone Investigation and Risk-Based Corrective Action (RBCA) Analysis, Former Texaco Service Station, 930 Springtown Boulevard, Livermore, California*, August 15, 2001.

Attachments:

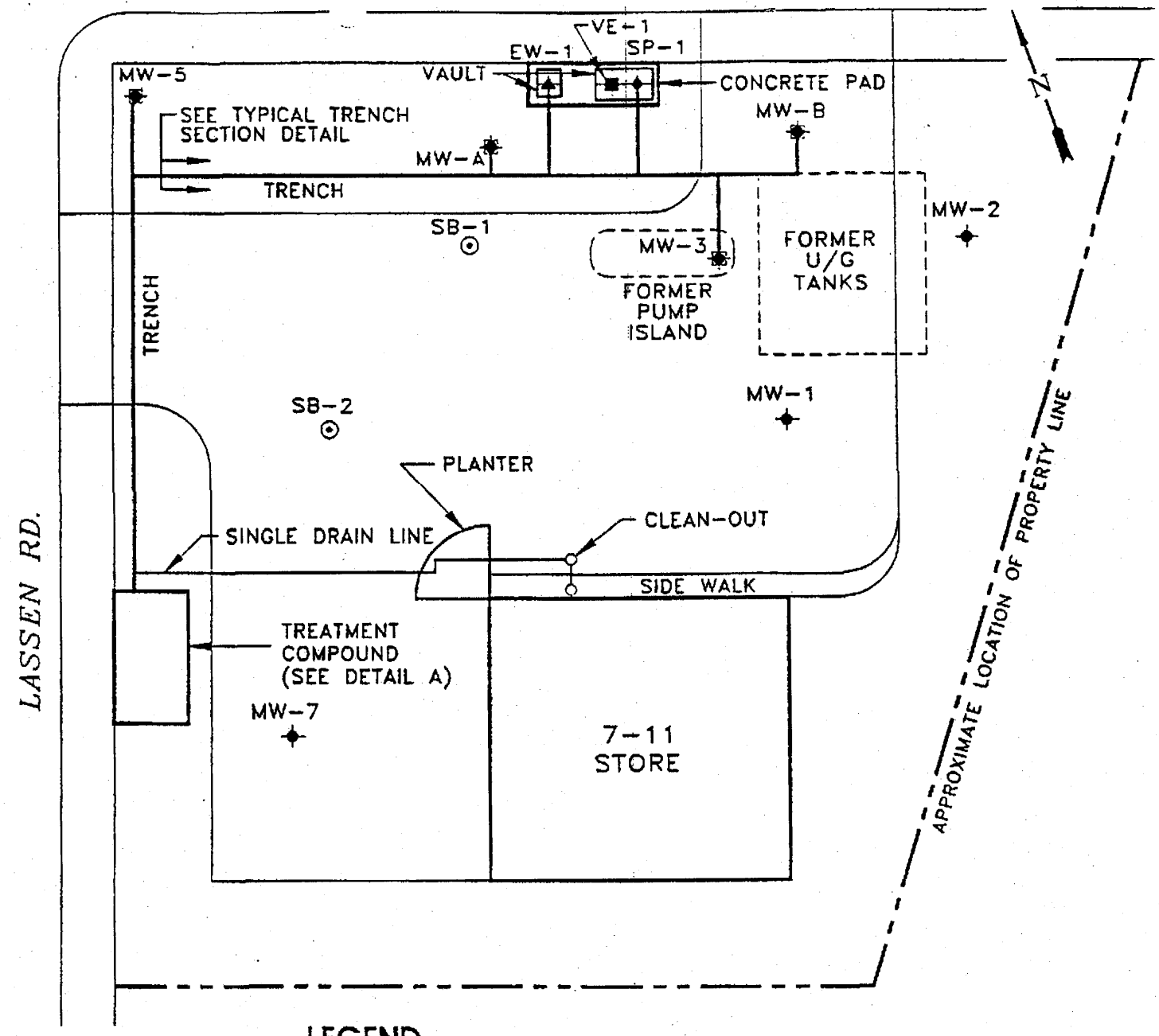
Attachment A – SVE Graphs and Well Location Map
Attachment B – Semiannual Monitoring Report – Fourth Quarter 2001

CC.

Ms. Karen Petryna, P.E., Equiva Services LLC, P.O. Box 7869, Burbank, CA 91510-7869
7-Eleven, Inc., 2711 North Haskell Avenue, Dallas, TX 75204-2906 Attn: Environ. Manager
7-Eleven, Inc., 2711 North Haskell Avenue, Dallas, TX 75204-2906 Attn: General Counsel
Mr. Bob DeNinno, 7-Eleven, Inc., 10220 S.W. Greenburg Road Suite 470, Portland, OR 97223

ATTACHMENT A

SVE AND WELL LOCATION MAP



LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL CONVERTED TO A VAPOR EXTRACTION WELL
- RECOVERY WELL
- VAPOR EXTRACTION WELL
- SPARGE POINT
- SOIL BORING

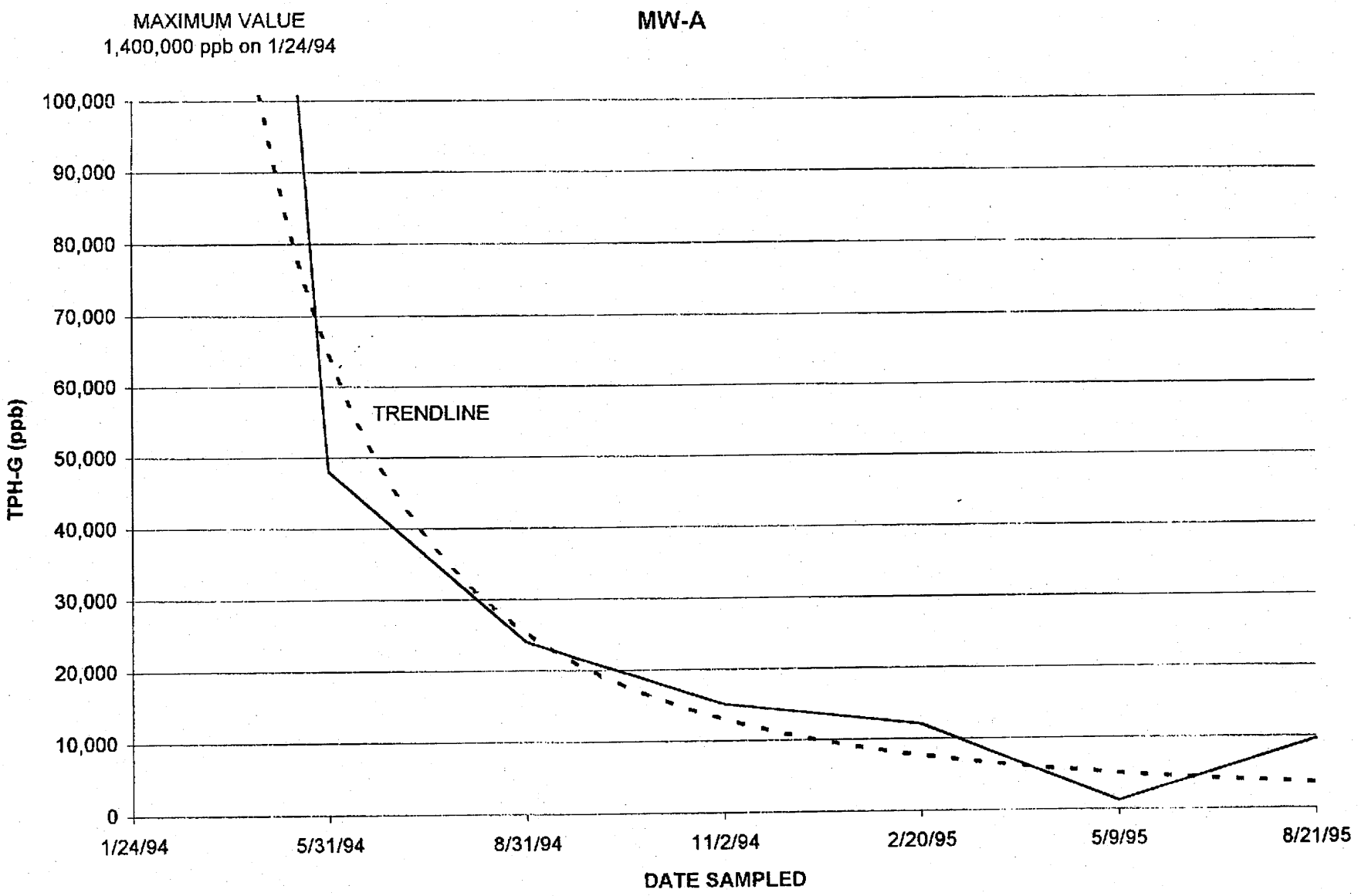
GROUNDWATER TECHNOLOGY

0 FEET 30
SCALE

SITE MAP

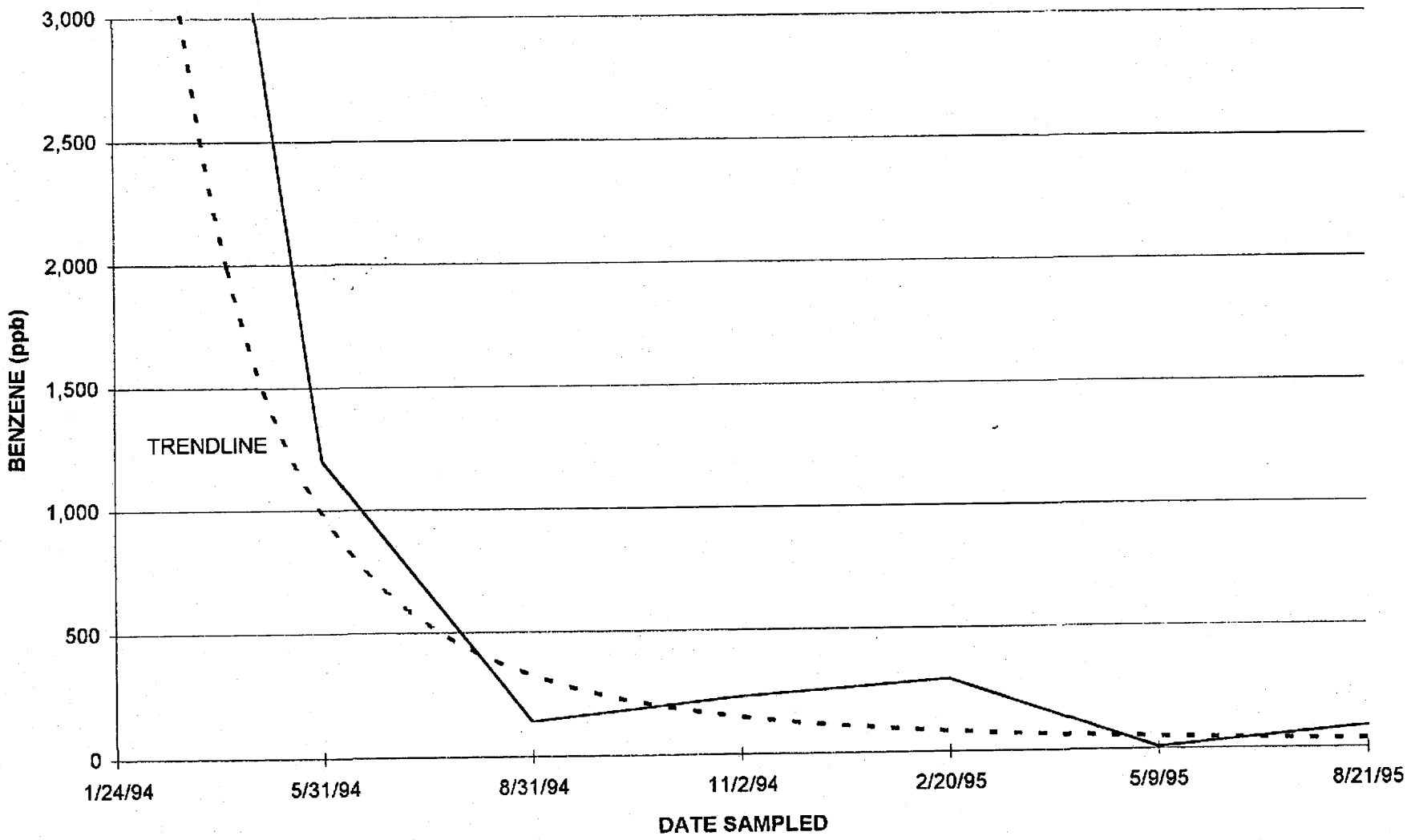
CLIENT: TEXACO REFINING AND MARKETING INC.	FILE: 1383SM (1:50)	PROJECT NO.:	PM	PE/RG
	REV.			FIGURE: 1
LOCATION: 930 SPRINGTOWN BLVD. LIVERMORE, CALIFORNIA	DES. DL	DET. JC	DATE: 2/21/95	

MAXIMUM VALUE
1,400,000 ppb on 1/24/94



000064461

MAXIMUM VALUE
6,900 ppb on 1/24/94



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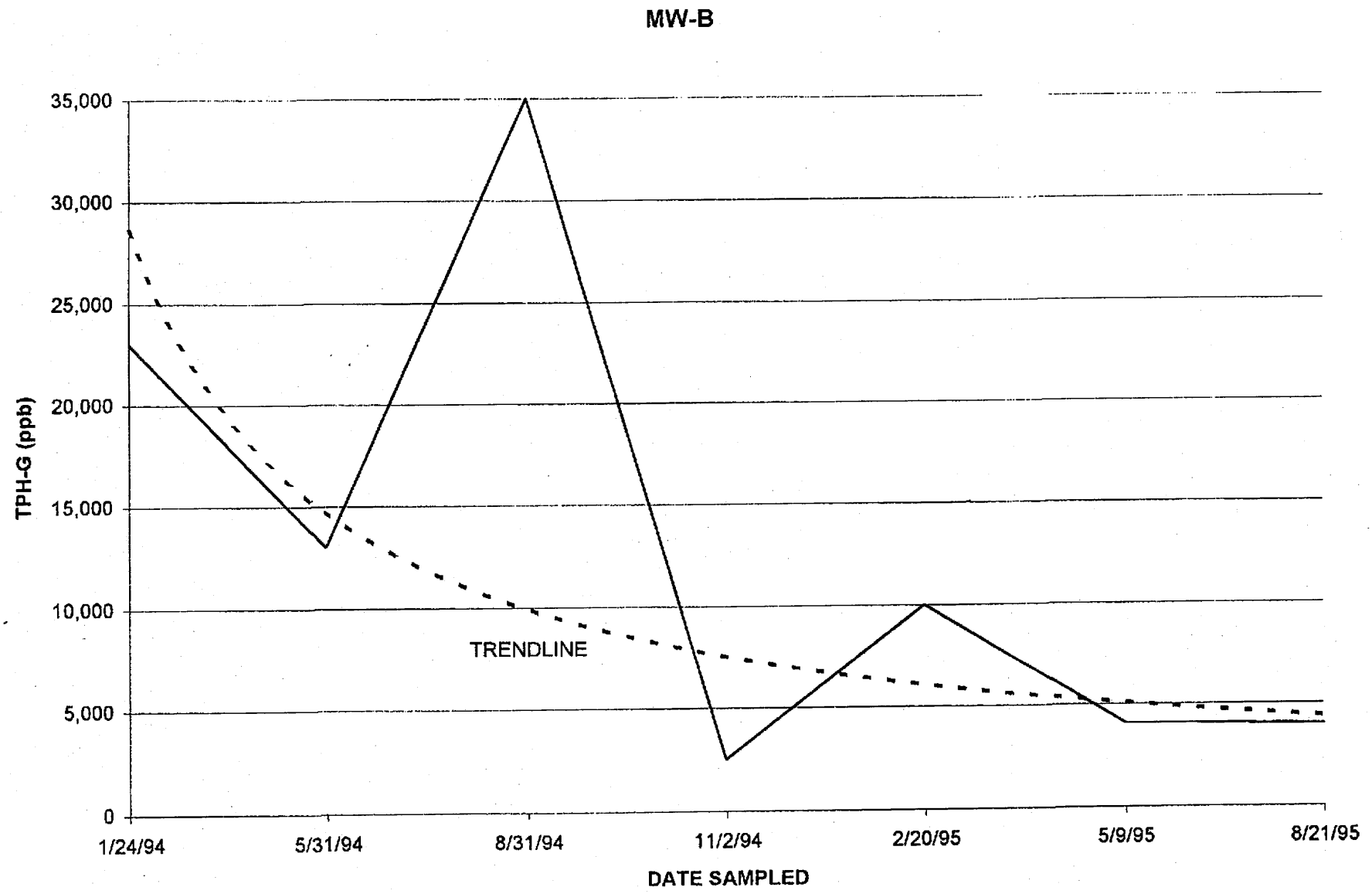
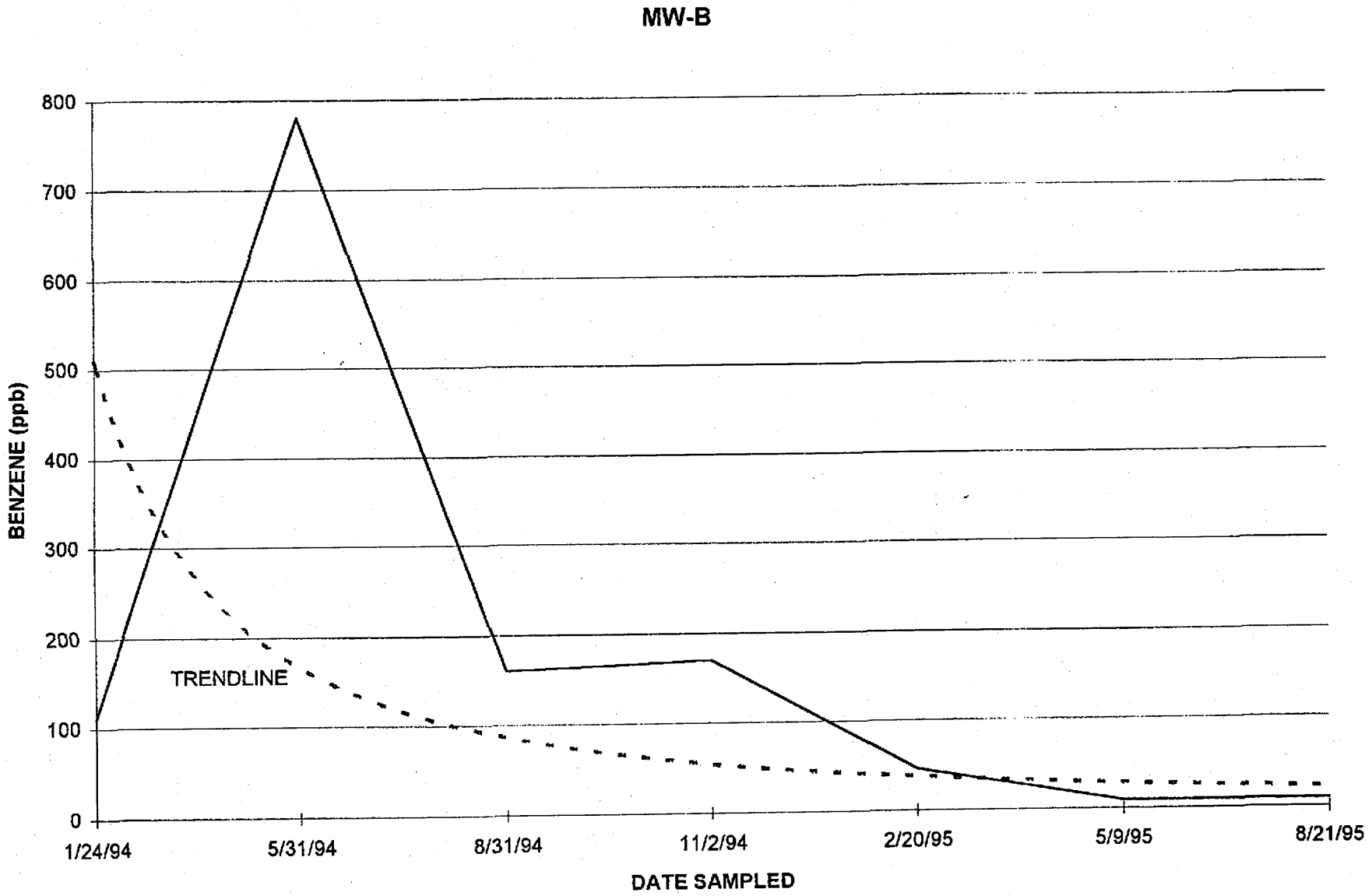
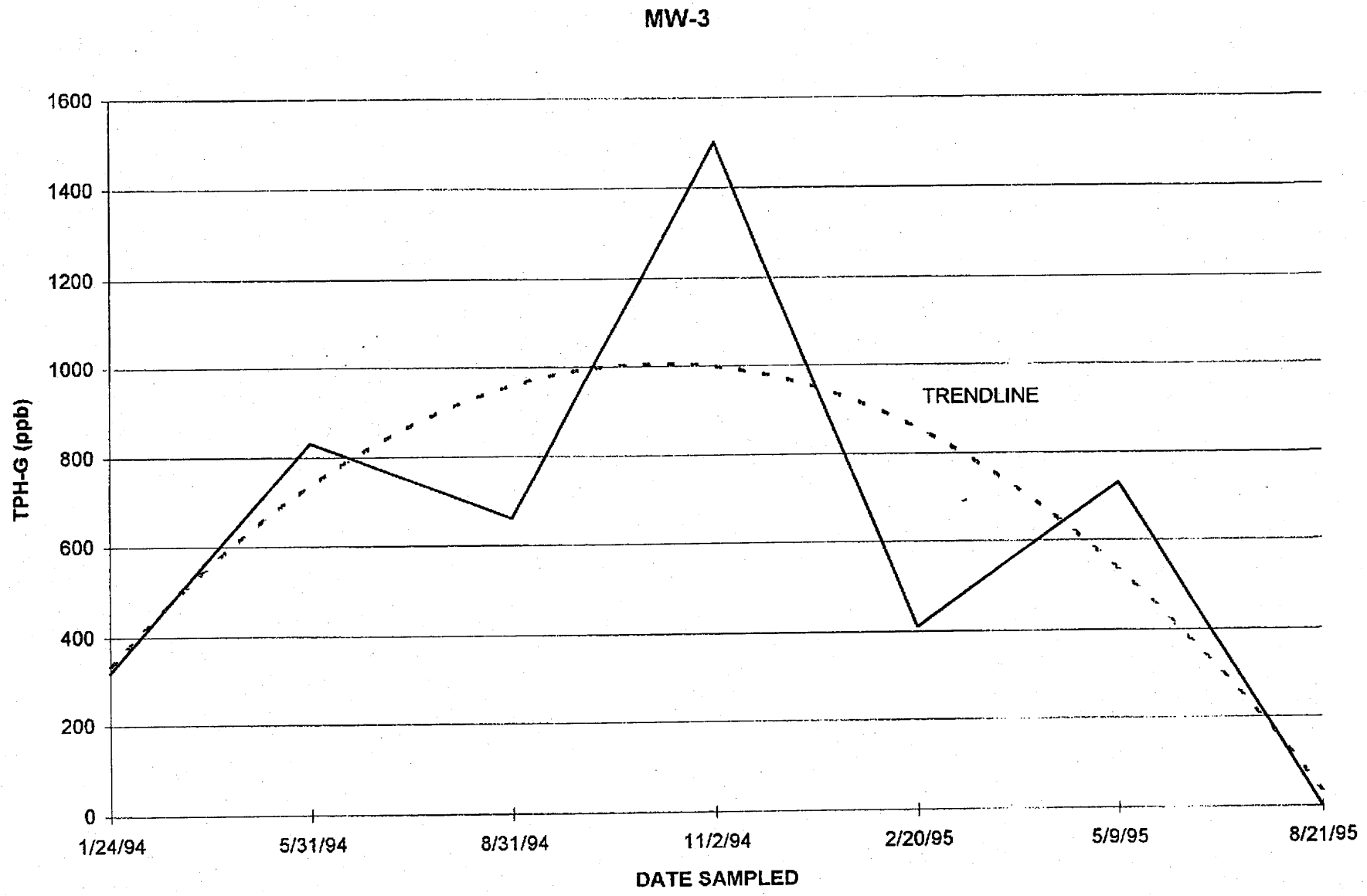
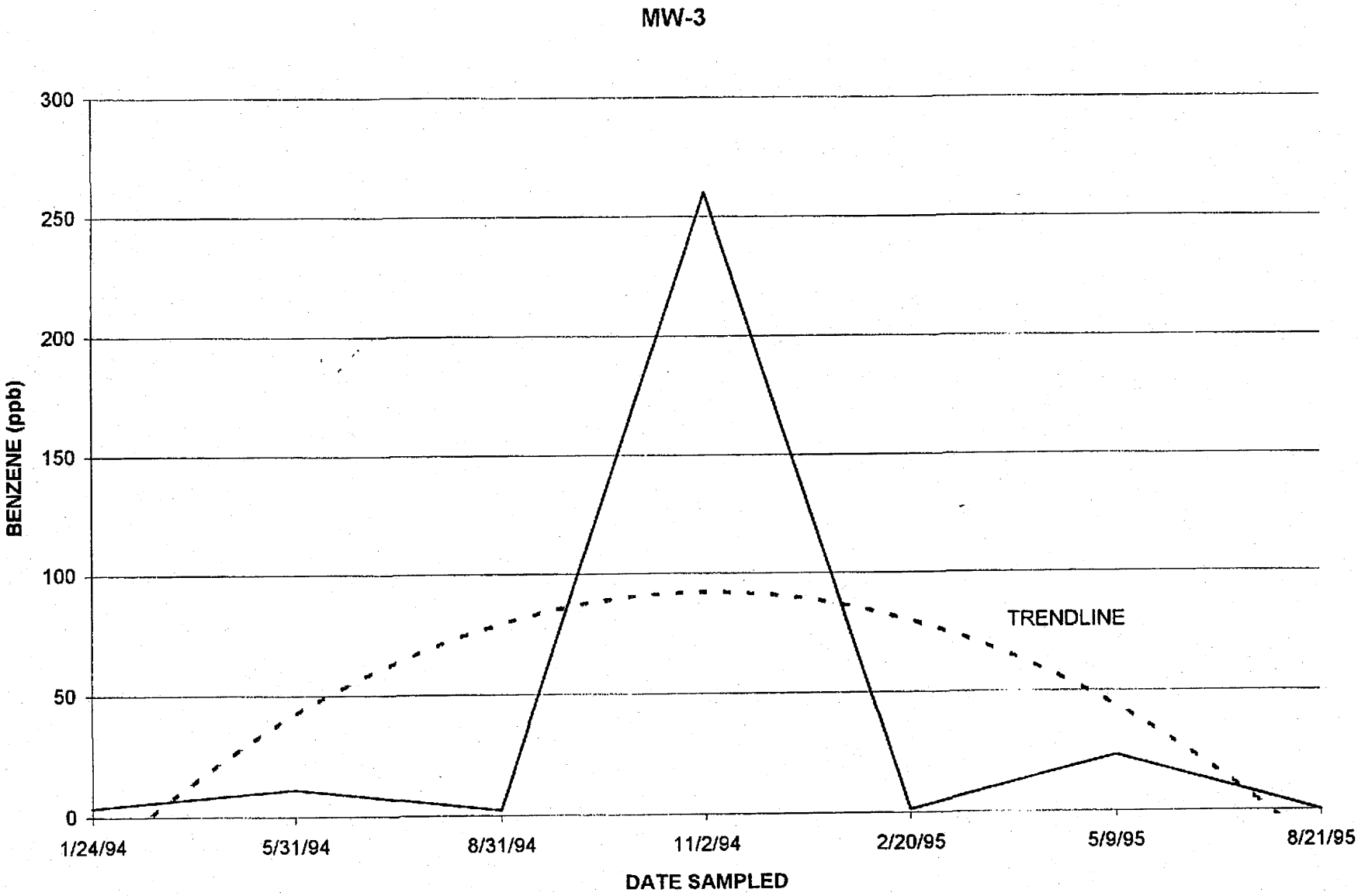
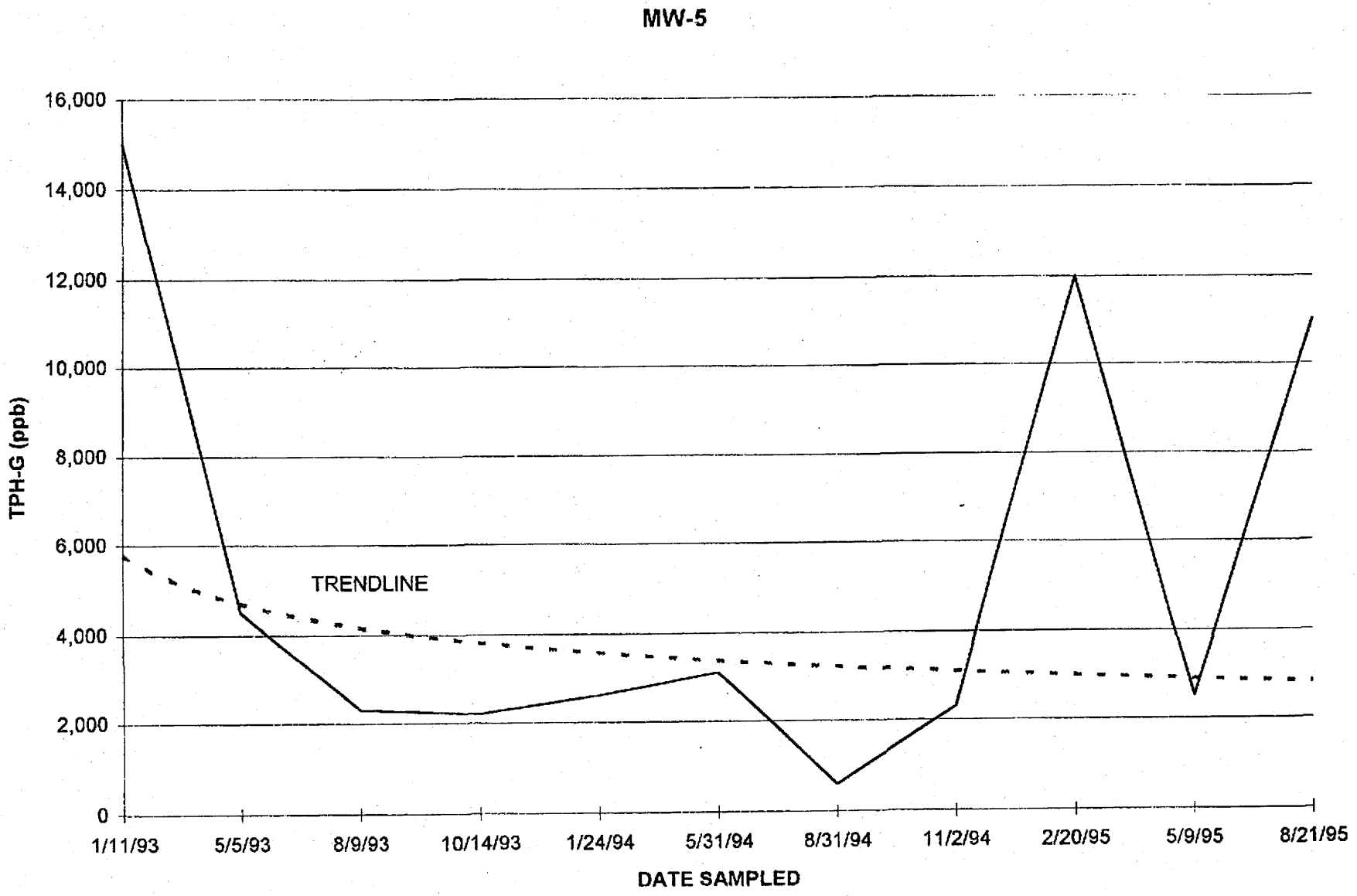

MW-B
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
TPH-G (ppb)
TRENDLINE
1/24/94
5/31/94
8/31/94
11/2/94
2/20/95
5/9/95
8/21/95
DATE SAMPLED

00006463

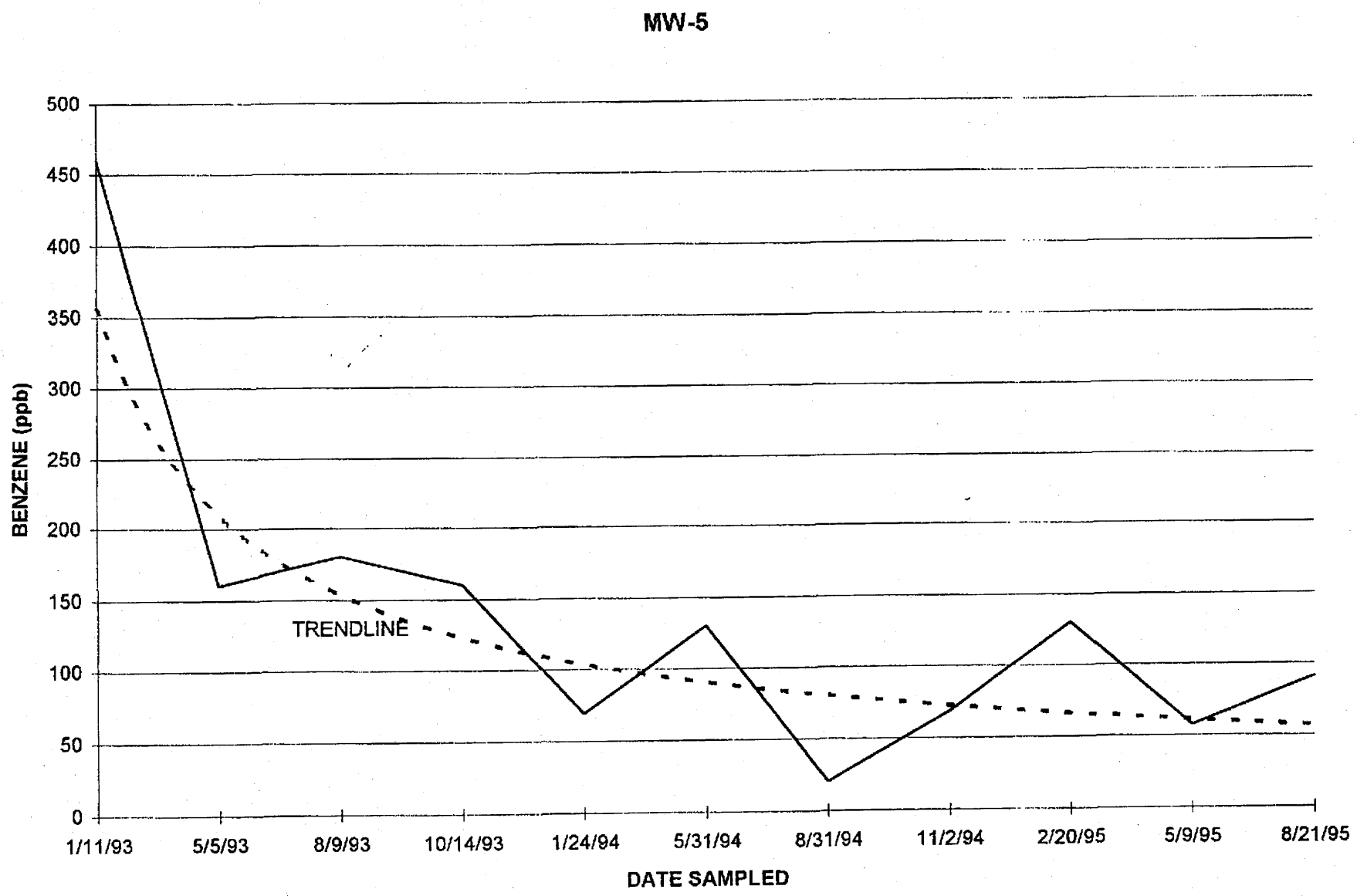

MW-B
800
700
600
500
400
300
200
100
0
BENZENE (ppb)
TRENDLINE
1/24/94
5/31/94
8/31/94
11/2/94
2/20/95
5/9/95
8/21/95
DATE SAMPLED


MW-3
1600
1400
1200
1000
800
600
400
200
0
TPH-G (ppb)
TRENDLINE
1/24/94
5/31/94
8/31/94
11/2/94
2/20/95
5/9/95
8/21/95
DATE SAMPLED


MW-3
300
250
200
150
100
50
0
BENZENE (ppb)
TRENDLINE
1/24/94
5/31/94
8/31/94
11/2/94
2/20/95
5/9/95
8/21/95
DATE SAMPLED


MW-5
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
TPH-G (ppb)
TRENDLINE
1/11/93
5/5/93
8/9/93
10/14/93
1/24/94
5/31/94
8/31/94
11/2/94
2/20/95
5/9/95
8/21/95
DATE SAMPLED

00004467


MW-5
500
450
400
350
300
250
200
150
100
50
0
BENZENE (ppb)
TRENDLINE
1/11/93
5/5/93
8/9/93
10/14/93
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5/31/94
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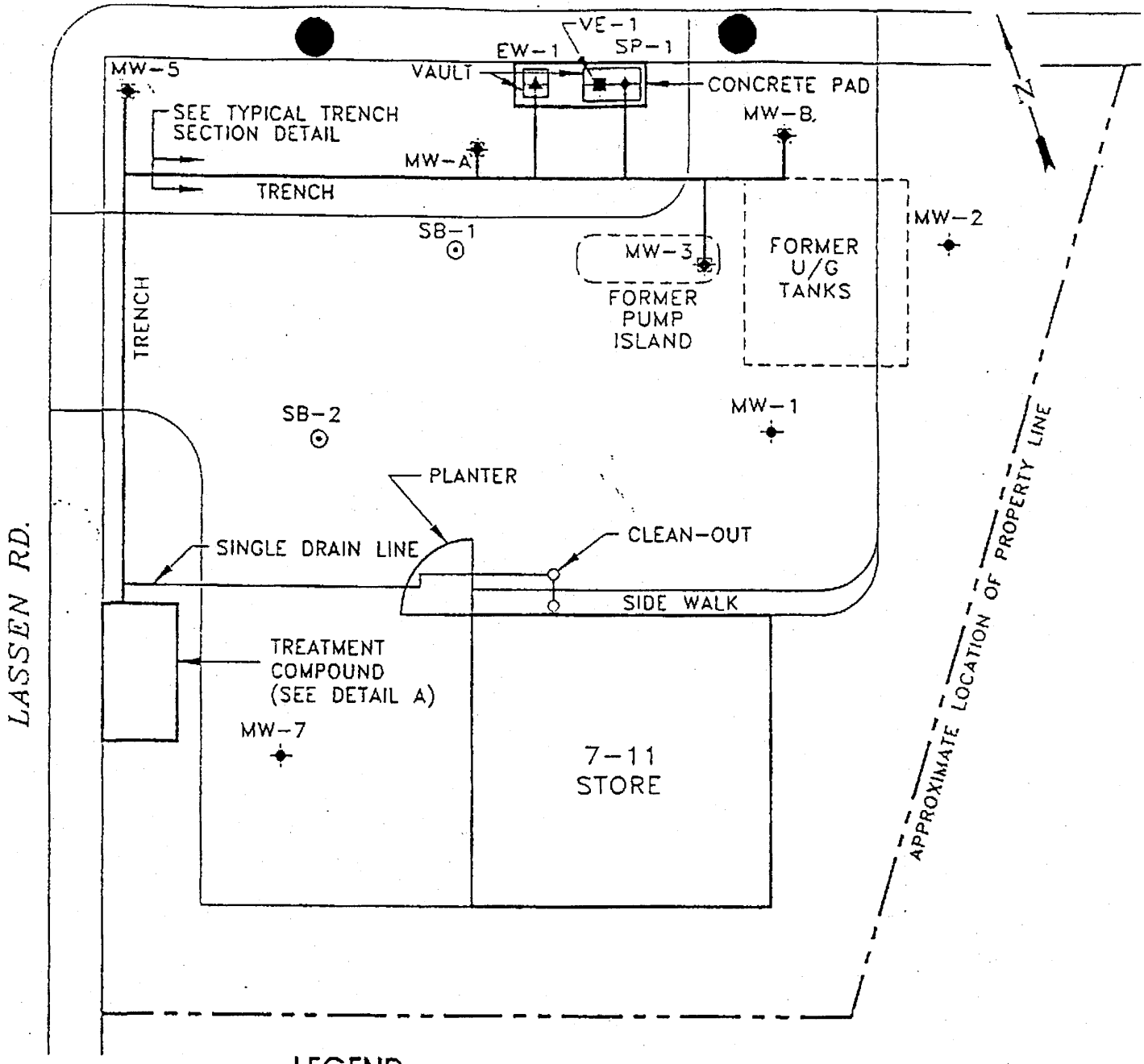
11/2/94
2/20/95
5/9/95
8/21/95
DATE SAMPLED



LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL CONVERTED TO A VAPOR EXTRACTION WELL
- RECOVERY WELL
- VAPOR EXTRACTION WELL
- SPARGE POINT
- SOIL BORING

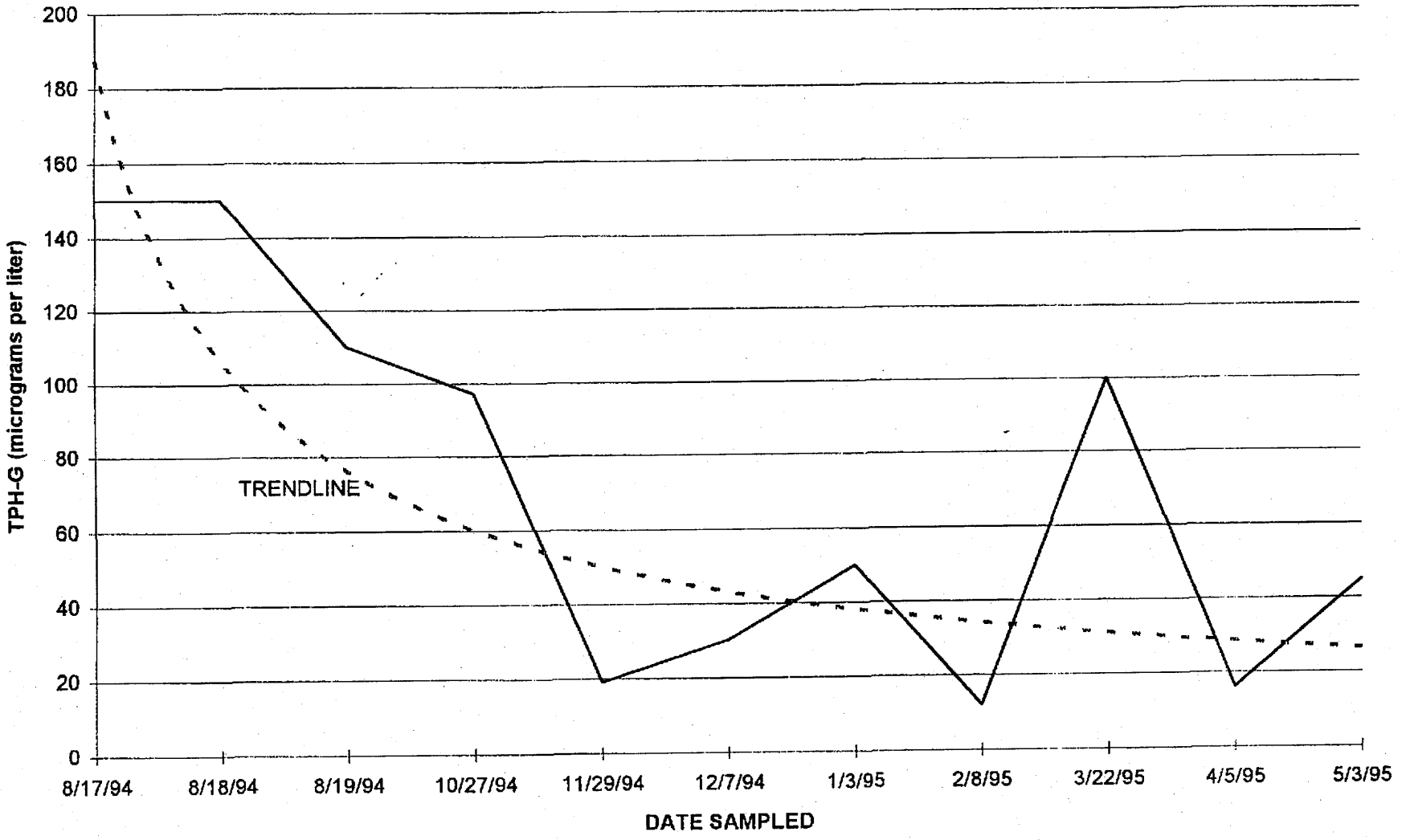
GROUNDWATER TECHNOLOGY

0 FEET 30
SCALE

SITE MAP 000064469

CLIENT: TEXACO REFINING AND MARKETING INC.	FILE: 1383SM (1:50)	PROJECT NO.:	PM: JC	PE/RG: [illegible]
LOCATION: 930 SPRINGTOWN BLVD. LIVERMORE, CALIFORNIA	REV.			FIGURE: 1
	DES.: DL	DET.: JC	DATE: 2/21/95	

INFLUENT SAMPLE



00006471

INFLUENT SAMPLE
BENZENE (micrograms per liter)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
TRENDLINE
DATE SAMPLED
8/17/94
8/18/94
8/19/94
10/27/94
11/29/94
12/7/94
1/3/95
2/8/95
3/22/95
4/5/95
5/3/95

000064472

ATTACHMENT B

SEMIANNUAL MONITORING REPORT – FOURTH QUARTER 2001

ENVIRONMENTAL MANAGEMENT, INC.

December 5, 2001
Project No. C80-000930G1

Ms. Eva Chu
Alameda County Health Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

Re: **Semiannual Monitoring Report – Fourth Quarter 2001**
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
Incident No. 91995053

Dear Ms. Chu:

On behalf of Equiva Services LLC, Blaine Tech Services (Blaine) performed semiannual (4th quarter) groundwater monitoring and sampling at the direction of KHM Environmental Management, Inc. (KHM) at the above-referenced site on October 22, 2001.

Depth to groundwater was measured in Wells MW-A, MW-B, MW-1 through MW-5, and MW-8. Groundwater elevation data and contours are presented on Figure 1.

Groundwater samples were collected from Wells MW-A, MW-B, MW-1 through MW-5, and MW-8. Samples were submitted by Blaine to Kiff Analytical LLC in Davis, California for analysis for total purgeable petroleum hydrocarbons as gasoline (TPPH); benzene, toluene, ethylbenzene, total xylenes (BTEX compounds); and methyl tert-butyl ether (MTBE) using EPA Method 8260B. TPPH, benzene, and MTBE concentrations are presented on Figures 2 through 4, respectively.

Blaine's groundwater monitoring and sampling report, which includes historical and current groundwater elevation data, historical and current analytical results, and field data records for the current monitoring event, is included as Attachment A.

DISCUSSION

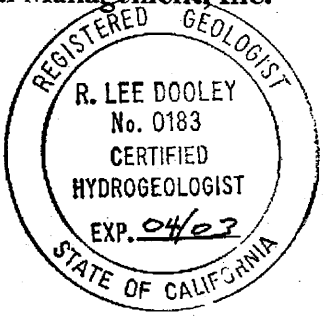
A small (0.10 acre) dissolved gasoline plume remains along the northern property boundary. The plume remains stable in size and shape. EPA Method 8260 detected MTBE

December 5, 2001

for the first time in down gradient Well MW-8 in June 2001. MTBE was not detected in the previous Method 8260 analysis in November 1999. MTBE was not detected in Well MW-8 in the October 22, 2001 sample, indicating the previous result was anomalous.

Please call if you have any questions regarding the contents of this letter.

Sincerely,
KHM Environmental Management, Inc.



R. Lee Dooley
Senior Hydrogeologist
CHG 0183

Attachments: Figure 1 – Groundwater Elevation Contour Map
Figure 2 – TPPH Concentration Map
Figure 3 – Benzene Concentration Map
Figure 4 – MTBE Concentration Map
Attachment A – Groundwater Monitoring and Sampling Report

cc: Ms. Karen Petryna, P.E., Equiva Services LLC, P.O. Box 7869, Burbank, CA 91510-7869
Attn: Environmental Manager, 7-eleven, Inc., 2711 North Haskell Avenue, Dallas, TX 75204-2906
Attn: General Counsel, 7-eleven, Inc., 2711 North Haskell Avenue, Dallas, TX 75204-2906
Mr. Bob DeNinno, 7-Eleven, Inc., 10220 S.W. Greenburg Road Suite 470, Portland, OR 97223

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

December 5, 2001

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

Fourth Quarter 2001 Groundwater Monitoring at
Former Texaco Service Station
930 Springtown Blvd.
Livermore, CA

Monitoring performed on October 22, 2001

Groundwater Monitoring Report **011022-Q-1**

This report covers the routine monitoring of groundwater wells at this Former Texaco facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

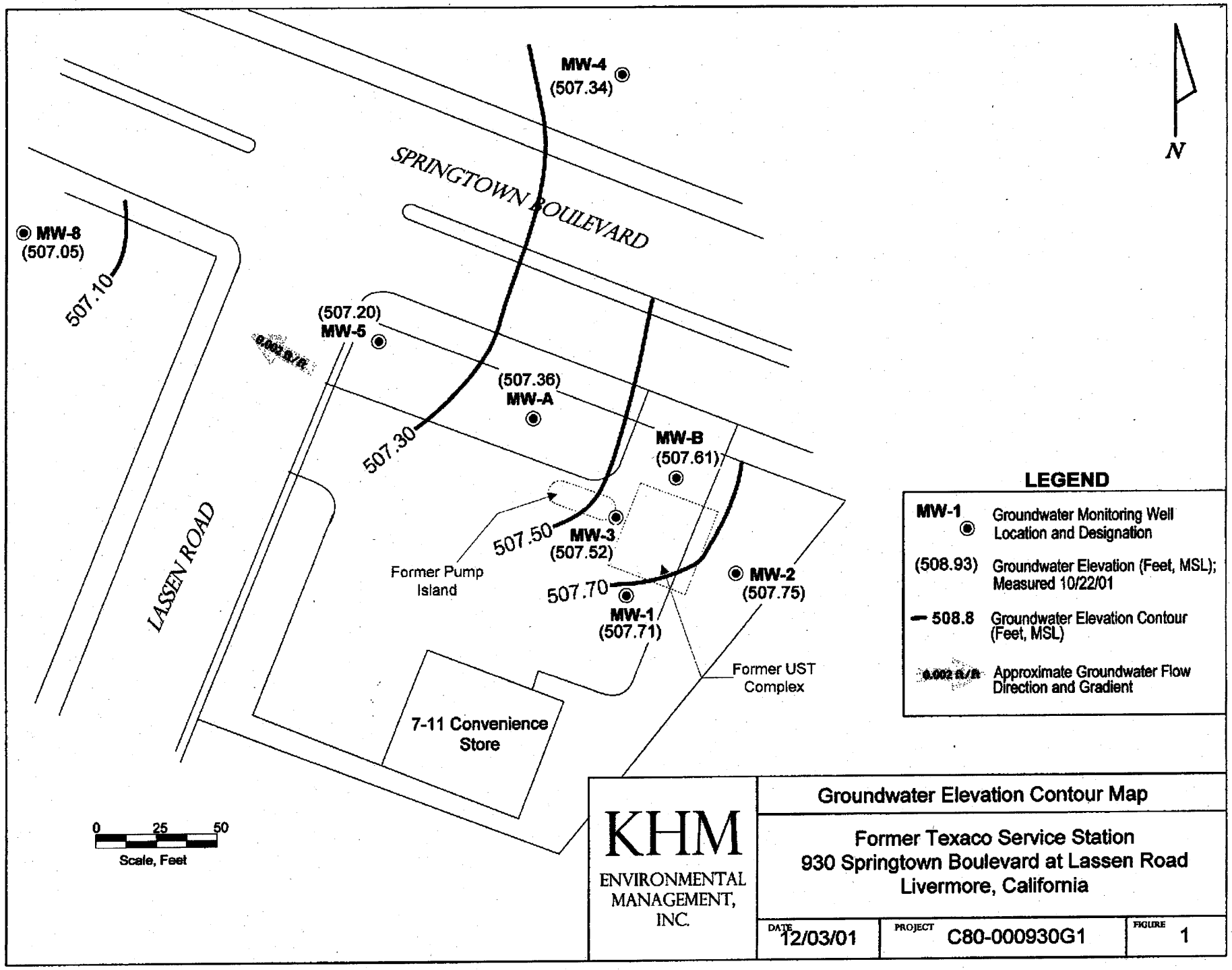
Yours truly,

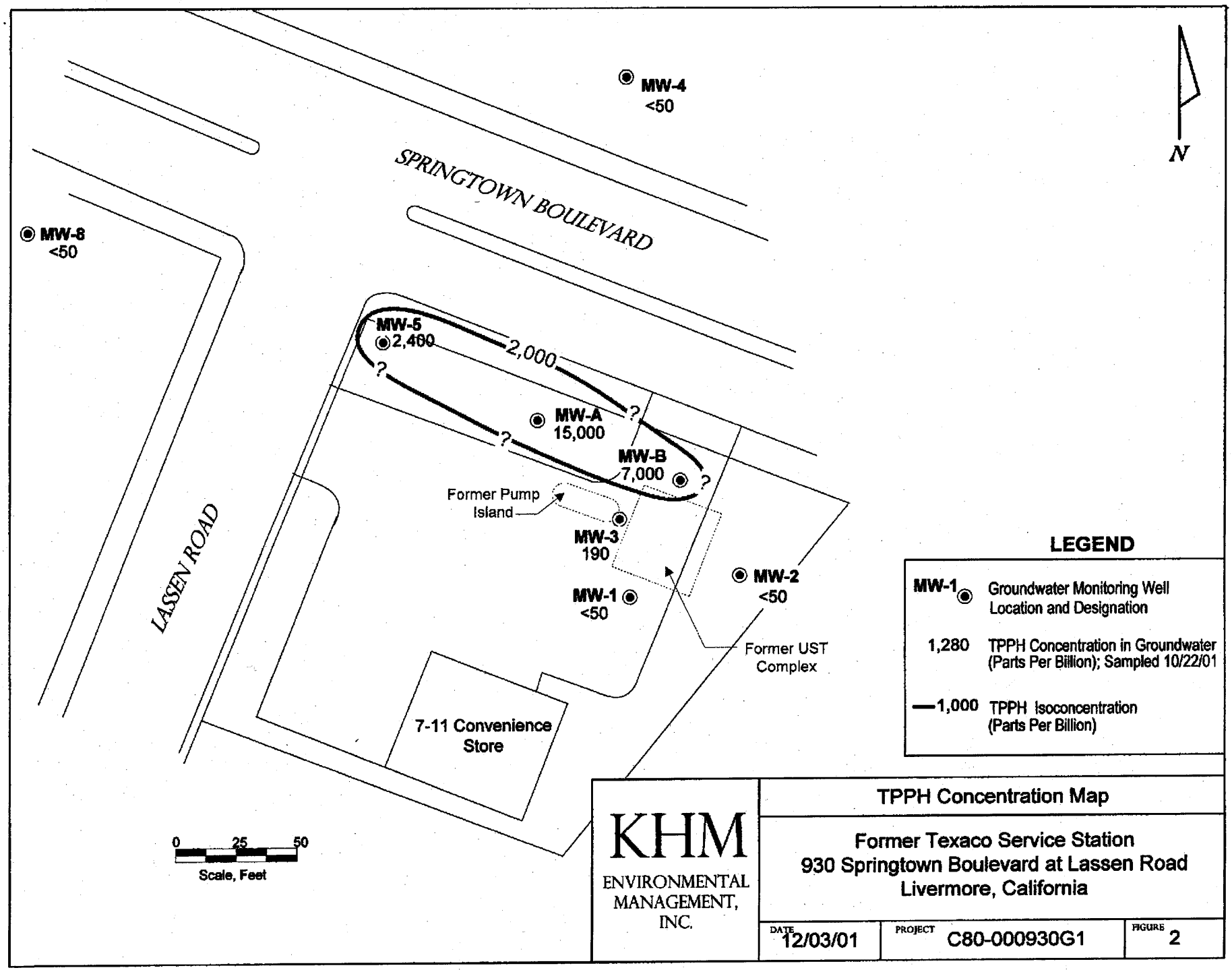
Nick Sudano
Project Coordinator

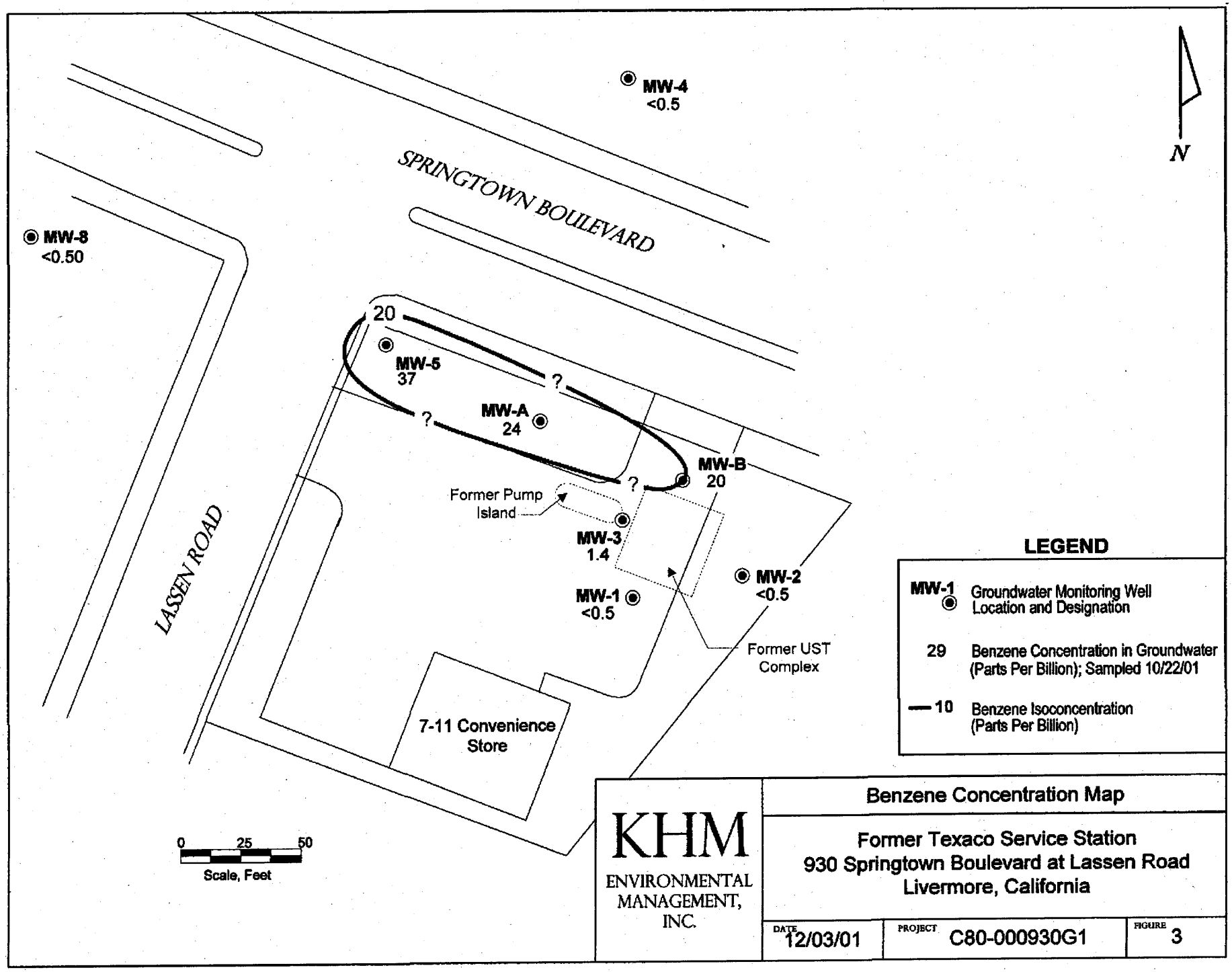
NS/mrb

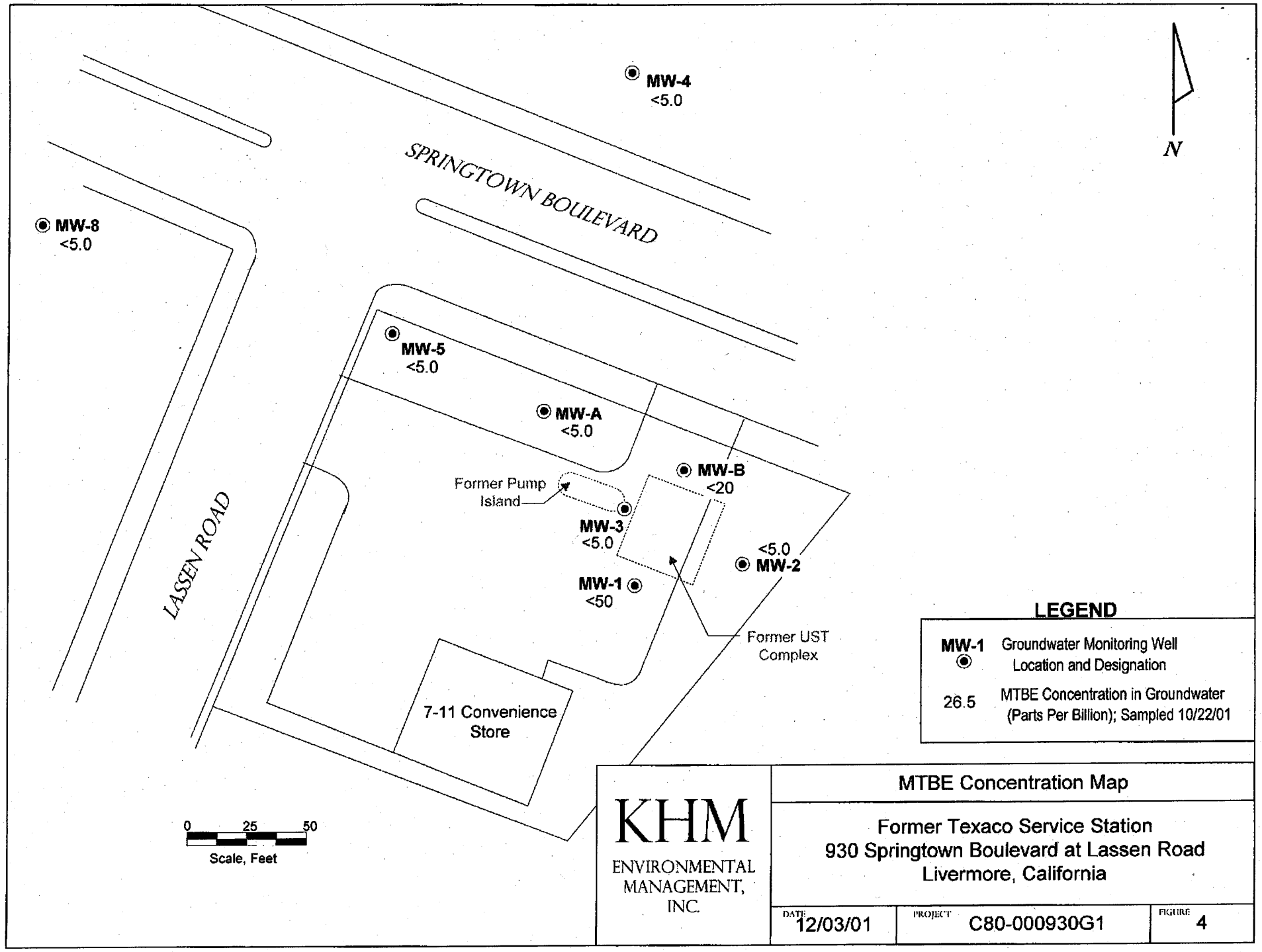
attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Janet Yantis
KHM Environmental
6234 San Ignacio Avenue, Suite E
San Jose, CA 95119


MW-4
(507.34)
SPRINGTOWN BOULEVARD
N
MW-8
(507.05)
507.10
(507.20)
MW-5
(507.36)
MW-A
507.30
MW-B
(507.61)
LASSEN ROAD
507.50
MW-3
(507.52)
Former Pump
Island
MW-2
(507.75)
507.70
MW-1
(507.71)
Former UST
Complex
7-11 Convenience
Store
0 25 50
Scale, Feet
LEGEND
MW-1 Groundwater Monitoring Well Location and Designation
(508.93) Groundwater Elevation (Feet, MSL); Measured 10/22/01
508.8 Groundwater Elevation Contour (Feet, MSL)
Approximate Groundwater Flow Direction and Gradient
KHM
ENVIRONMENTAL
MANAGEMENT,
INC.
Groundwater Elevation Contour Map
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
DATE 12/03/01
PROJECT C80-000930G1
FIGURE 1


MW-4
<50
SPRINGTOWN BOULEVARD
N
MW-6
<50
MW-5
2,400
2,000
?
?
?
MW-A
15,000
MW-B
7,000
?
Former Pump
Island
MW-3
190
LASSEN ROAD
MW-2
<50
MW-1
<50
Former UST
Complex
7-11 Convenience
Store
0
25
50
Scale, Feet
LEGEND
MW-1
Groundwater Monitoring Well
Location and Designation
1,280
TPPH Concentration in Groundwater
(Parts Per Billion); Sampled 10/22/01
1,000
TPPH Isoconcentration
(Parts Per Billion)
KHM
ENVIRONMENTAL
MANAGEMENT,
INC.
TPPH Concentration Map
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
DATE
12/03/01
PROJECT
C80-000930G1
FIGURE
2


MW-4
<0.5
SPRINGTOWN BOULEVARD
N
MW-8
<0.50
20
MW-5
37
?
?
MW-A
24
MW-B
20
?
Former Pump
Island
MW-3
1.4
MW-2
<0.5
MW-1
<0.5
LASSEN ROAD
Former UST
Complex
7-11 Convenience
Store
0
25
50
Scale, Feet
LEGEND
MW-1
Groundwater Monitoring Well
Location and Designation
29
Benzene Concentration in Groundwater
(Parts Per Billion); Sampled 10/22/01
10
Benzene Isoconcentration
(Parts Per Billion)
KHM
ENVIRONMENTAL
MANAGEMENT,
INC.
Benzene Concentration Map
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
DATE
12/03/01
PROJECT
C80-000930G1
FIGURE
3


MW-4
<5.0
SPRINGTOWN BOULEVARD
N
MW-8
<5.0
MW-5
<5.0
MW-A
<5.0
MW-B
<20
Former Pump
Island
MW-3
<5.0
<5.0
MW-2
MW-1
<50
LASSEN ROAD
Former UST
Complex
7-11 Convenience
Store
0
25
50
Scale, Feet
LEGEND
MW-1
Groundwater Monitoring Well
Location and Designation
26.5
MTBE Concentration in Groundwater
(Parts Per Billion); Sampled 10/22/01
KHM
ENVIRONMENTAL
MANAGEMENT,
INC.
MTBE Concentration Map
Former Texaco Service Station
930 Springtown Boulevard at Lassen Road
Livermore, California
DATE
12/03/01
PROJECT
C80-000930G1
FIGURE
4

ATTACHMENT A

GROUNDWATER MONITORING AND SAMPLING REPORT

BLAINE
TECH SERVICES

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

WELLHEAD INSPECTION CHECKLIST

Client EQUIVA

Site Address 930 SPRINGTOWN BLVD.

Technician SUCKDEN

Date 10/22/01

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☒ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all deficiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-A	01/02/1992	NA	NA	NA	NA	NA	NA	NA	520.10	13.61	506.49
MW-A	04/02/1992	27000	1200	570	1700	2300	NA	NA	520.10	12.44	507.66
MW-A	07/21/1992	57000	1500	1800	2700	7100	NA	NA	520.10	13.35	506.75
MW-A	10/09/1992	56000	2900	2600	4600	12000	NA	NA	520.10	12.92	507.18
MW-A	01/11/1993	NA	NA	NA	NA	NA	NA	NA	520.10	11.78	508.32
MW-A	05/05/1993	NA	NA	NA	NA	NA	NA	NA	520.10	11.39	508.71
MW-A	08/09/1993	NA	NA	NA	NA	NA	NA	NA	520.10	12.80	507.30
MW-A	10/14/1993	NA	NA	NA	NA	NA	NA	NA	520.10	13.48	506.62
MW-A	01/24/1994	1400000	6900	2100	15000	38000	NA	NA	520.10	12.74	507.36
MW-A	05/31/1994	48000	1200	900	1900	4200	NA	NA	520.10	12.28	507.82
MW-A	08/31/1994	24000	140	120	830	1500	NA	NA	520.10	13.20	506.90
MW-A	11/02/1994	15000	230	360	1100	1800	NA	NA	520.10	13.15	506.95
MW-A	02/20/1995	12000	290	330	570	1300	NA	NA	520.10	11.71	508.39
MW-A	05/09/1995	1200	6.1	5.9	12	15	NA	NA	520.10	12.37	507.73
MW-A	08/21/1995	9600	85	140	250	860	160	NA	520.10	11.37	508.73
MW-A	10/20/1995	360	5.2	7.9	15	43	NA	NA	520.10	12.04	508.06
MW-A	02/07/1996	6100	130	180	320	840	NA	NA	520.10	10.11	509.99
MW-A	04/30/1996	410	1.2	0.67	1.2	1.5	NA	NA	520.10	10.28	509.82
MW-A	08/14/1996	3000	65	75	170	460	57	NA	520.10	10.82	509.28
MW-A	11/22/1996	6300	100	170	310	710	64	NA	520.10	10.97	509.13
MW-A	02/14/1997	8100	140	180	700	1600	<300	NA	520.10	10.00	510.10
MW-A	05/23/1997	24000	340	520	1600	3800	<2000	NA	520.10	11.36	508.74
MW-A	07/25/1997	440	<0.5	<0.5	<0.5	<0.5	<30	NA	520.10	11.66	508.44
MW-A	10/31/1997	3700	21	48	200	430	35	NA	520.10	11.56	508.54
MW-A	02/06/1998	1500	2.1	4.4	55	77	<30	NA	520.10	9.00	511.10
MW-A	05/19/1998	32000	310	380	1800	3700	1300	NA	520.10	9.85	510.25

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-A	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	520.10	10.04	510.06
MW-A	11/04/1998	15000	86	180	960	1800	<50	<50	520.10	11.09	509.01
MW-A	11/11/1999	1010	4.72	<2.50	26.1	59.9	87.6	<0.500	520.10	11.39	508.71
MW-A	04/03/2000	12800	23.8	54.9	704	1070	242	NA	520.10	10.41	509.69
MW-A	10/16/2000	4810	51.6	<20.0	251	434	108	<10.0	520.10	11.59	508.51
MW-A	06/28/2001	1100	1.2	2.4	51	64	NA	<0.50	520.10	12.13	507.97
MW-A	**10/22/2001**	**15000**	**24**	**38**	**1000**	**980**	**NA**	**<5.0**	**520.10**	**12.74**	**507.36**
MW-B	01/02/1992	NA	NA	NA	NA	NA	NA	NA	518.05	11.27	506.78
MW-B	04/02/1992	1900	ND	39	24	35	NA	NA	518.05	10.18	507.87
MW-B	07/21/1992	16000	180	1600	270	1100	NA	NA	518.05	11.27	506.78
MW-B	10/09/1992	38000	490	8300	1400	5100	NA	NA	518.05	11.64	506.41
MW-B	01/11/1993	NA	NA	NA	NA	NA	NA	NA	518.05	9.65	508.40
MW-B	05/05/1993	NA	NA	NA	NA	NA	NA	NA	518.05	9.28	508.77
MW-B	08/09/1993	NA	NA	NA	NA	NA	NA	NA	518.05	11.02	507.03
MW-B	10/14/1993	NA	NA	NA	NA	NA	NA	NA	518.05	11.34	506.71
MW-B	01/24/1994	23000	110	1700	600	1900	NA	NA	518.05	10.54	507.51
MW-B	05/31/1994	13000	780	310	370	1400	NA	NA	518.05	10.19	507.86
MW-B	08/31/1994	35000	160	2800	1000	4500	NA	NA	518.05	10.98	507.07
MW-B	11/02/1994	2500	170	3200	1100	4700	NA	NA	518.05	10.90	507.15
MW-B	02/20/1995	10000	46	1400	330	1200	NA	NA	518.05	9.47	508.58
MW-B	05/09/1995	4100	9.1	47	26	30	NA	NA	518.05	10.58	507.47
MW-B	08/21/1995	4000	9.6	110	120	270	98	NA	518.05	9.34	508.71
MW-B	10/20/1995	9300	35	1300	370	1300	NA	NA	518.05	9.83	508.22
MW-B	02/07/1996	8900	33	700	110	360	NA	NA	518.05	7.85	510.20
MW-B	04/30/1996	5500	17	460	120	400	NA	NA	518.05	8.02	510.03
MW-B	08/14/1996	9000	<5	260	120	320	<300	NA	518.05	8.66	509.39

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-B	11/22/1996	560000	56	2400	1600	5500	<3000	NA	518.05	8.70	509.35
MW-B	02/14/1997	4600	5.2	110	72	210	<300	NA	518.05	7.75	510.30
MW-B	05/23/1997	34000	75	1700	590	2100	1800	NA	518.05	9.05	509.00
MW-B	07/25/1997	39000	250	5200	1600	5900	<800	NA	518.05	9.37	508.68
MW-B	10/31/1997	36000	130	2600	1200	4800	<800	NA	518.05	9.29	508.76
MW-B	02/06/1998	4800	10	120	72	200	<80	NA	518.05	6.68	511.37
MW-B	05/19/1998	25000	200	900	410	1600	570	NA	518.05	7.57	510.48
MW-B	07/31/1998	580	<0.5	<0.5	<0.5	<0.5	14	NA	518.05	8.03	510.02
MW-B	11/04/1998	24000	150	1400	850	2400	<50	<66	518.05	8.85	509.20
MW-B	11/11/1999	685	7.22	14.7	6.10	17.8	<12.5	NA	518.05	9.03	509.02
MW-B	04/03/2000	9250	106	477	346	1320	231	<1.00a	518.05	8.14	509.91
MW-B	10/16/2000	1280	14.5	13.8	13.3	38.8	26.5	NA	518.05	9.42	508.63
MW-B	06/28/2001	16000	29	550	470	1700	NA	<2.5	518.05	9.81	508.24
MW-B	**10/22/2001**	**7000**	**20**	**400**	**330**	**1100**	**NA**	**<20**	**518.05**	**10.44**	**507.61**
MW-1	01/02/1992	16	6	ND	ND	ND	NA	NA	520.61	14.11	506.50
MW-1	04/02/1992	ND	ND	ND	ND	ND	NA	NA	520.61	12.98	507.63
MW-1	07/21/1992	<50	3.2	<0.5	<0.5	<0.5	NA	NA	520.61	13.92	506.69
MW-1	10/09/1992	<50	8.5	<0.5	<0.5	<0.5	NA	NA	520.61	14.25	506.36
MW-1	01/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.30	508.31
MW-1	05/05/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	11.88	508.73
MW-1	08/09/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	13.63	506.98
MW-1	10/14/1993	440	16	2.9	2.9	11	NA	NA	520.61	13.91	506.70
MW-1	01/24/1993	NA	NA	NA	NA	NA	NA	NA	520.61	13.12	507.49
MW-1	05/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.74	507.87
MW-1	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	13.68	506.93
MW-1	11/02/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	13.48	507.13

WELL CONCENTRATIONS
Former Texaco Service Station
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Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.02	508.59
MW-1	05/09/1995	450	22	25	23	100	NA	NA	520.61	12.83	507.78
MW-1	08/21/1995	58	<0.5	1.5	1.8	4.5	<10	NA	520.61	11.93	508.68
MW-1	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	12.40	508.21
MW-1	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	520.61	10.42	510.19
MW-1	04/30/1996	NA	NA	NA	NA	NA	NA	NA	520.61	10.48	510.13
MW-1	08/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	11.18	509.43
MW-1	11/22/1996	NA	NA	NA	NA	NA	NA	NA	520.61	11.10	509.51
MW-1	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	10.25	510.36
MW-1	05/23/1997	NA	NA	NA	NA	NA	NA	NA	520.61	11.48	509.13
MW-1	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	11.99	508.62
MW-1	10/31/1997	NA	NA	NA	NA	NA	NA	NA	520.61	11.74	508.87
MW-1	02/06/1998	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	520.61	9.27	511.34
MW-1	05/19/1998	NA	NA	NA	NA	NA	NA	NA	520.61	10.51	510.10
MW-1	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	520.61	10.41	510.20
MW-1	11/04/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	520.61	11.32	509.29
MW-1	11/11/1999	82.5	6.35	7.08	4.76	10.9	3.13	1.08	520.61	11.54	509.07
MW-1	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	520.61	10.65	509.96
MW-1	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	520.61	11.91	508.70
MW-1	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	0.65	520.61	12.37	508.24
MW-1	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**0.55**	**NA**	**<5.0**	**520.61**	**12.90**	**507.71**
MW-2	01/02/1992	ND	ND	ND	ND	ND	NA	NA	518.29	11.96	506.33
MW-2	04/02/1992	ND	ND	ND	ND	ND	NA	NA	518.29	10.89	507.40
MW-2	07/21/1992	NA	NA	NA	NA	NA	NA	NA	518.29	11.55	506.74
MW-2	05/31/1994	NA	NA	NA	NA	NA	NA	NA	518.29	10.37	507.92
MW-2	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.29	11.16	507.13

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	11/02/1994	NA	NA	NA	NA	NA	NA	NA	518.29	11.07	507.22
MW-2	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.29	9.66	508.63
MW-2	05/09/1995	NA	NA	NA	NA	NA	NA	NA	518.29	10.14	508.15
MW-2	08/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	518.29	9.58	508.71
MW-2	10/20/1995	NA	NA	NA	NA	NA	NA	NA	518.29	9.91	508.38
MW-2	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.29	8.00	510.29
MW-2	04/30/1996	NA	NA	NA	NA	NA	NA	NA	518.29	8.21	510.08
MW-2	08/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.29	8.88	509.41
MW-2	11/22/1996	NA	NA	NA	NA	NA	NA	NA	518.29	8.88	509.41
MW-2	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.29	7.92	510.37
MW-2	05/23/1997	NA	NA	NA	NA	NA	NA	NA	518.29	9.25	509.04
MW-2	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.29	9.51	508.78
MW-2	10/31/1997	NA	NA	NA	NA	NA	NA	NA	518.29	9.30	508.99
MW-2	02/06/1998	<50	<0.5	<0.5	<0.5	1.4	<30	NA	518.29	6.88	511.41
MW-2	05/19/1998	NA	NA	NA	NA	NA	NA	NA	518.29	8.35	509.94
MW-2	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	518.29	8.14	510.15
MW-2	11/04/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	518.29	9.00	509.29
MW-2	11/11/1999	65.8	6.34	7.04	4.71	10.8	3.21	1.04	518.29	9.19	509.10
MW-2	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.29	8.31	509.98
MW-2	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.29	9.36	508.93
MW-2	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	518.29	9.88	508.41
MW-2	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**518.29**	**10.54**	**507.75**
MW-3	01/02/1992	340	0.4	ND	ND	ND	NA	NA	519.60	12.87	506.73
MW-3	04/02/1992	160	5	ND	0.3	0.5	NA	NA	519.60	11.97	507.63
MW-3	07/21/1992	260	1.7	<0.5	<0.5	<0.5	NA	NA	519.60	12.60	507.00
MW-3	10/09/1992	88	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	12.93	506.67

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	01/11/1993	130	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	11.16	508.44
MW-3	05/05/1993	340	1.8	<0.5	1.3	<0.5	NA	NA	519.60	10.72	508.88
MW-3	08/09/1993	610	18	<0.5	2.4	0.9	NA	NA	519.60	12.34	507.26
MW-3	10/14/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	12.71	506.89
MW-3	01/24/1994	320	3.5	<0.5	<0.5	<0.5	NA	NA	519.60	12.03	507.57
MW-3	05/31/1994	830	11	12	5.0	1.2	NA	NA	519.60	11.54	508.06
MW-3	08/31/1994	660	2	<0.5	1	<0.5	NA	NA	519.60	12.60	507.00
MW-3	11/02/1994	1500	260	36	34	76	NA	NA	519.60	12.16	507.44
MW-3	02/20/1995	410	1.2	1.9	1.4	2.2	NA	NA	519.60	11.05	508.55
MW-3	05/09/1995	730	23	43	21	95	NA	NA	519.60	11.97	507.63
MW-3	08/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	519.60	7.60	512.00
MW-3	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	11.46	508.14
MW-3	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	519.60	9.42	510.18
MW-3	04/30/1996	NA	NA	NA	NA	NA	NA	NA	519.60	9.60	510.00
MW-3	08/14/1996	<50	<0.5	0.60	<0.5	<0.5	<30	NA	519.60	10.24	509.36
MW-3	11/22/1996	NA	NA	NA	NA	NA	NA	NA	519.60	10.34	509.26
MW-3	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	519.60	9.38	510.22
MW-3	05/23/1997	NA	NA	NA	NA	NA	NA	NA	519.60	10.67	508.93
MW-3	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	519.60	11.11	508.49
MW-3	10/31/1997	NA	NA	NA	NA	NA	NA	NA	519.60	10.86	508.74
MW-3	02/06/1998	63	1.5	2.8	0.77	8.6	<30	NA	519.60	8.41	511.19
MW-3	05/19/1998	NA	NA	NA	NA	NA	NA	NA	519.60	9.40	510.20
MW-3	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	519.60	9.04	510.56
MW-3	11/04/1998	230	11	7.2	7.6	33	18	14	519.60	10.45	509.15
MW-3	11/11/1999	569	103	47.1	14.1	29.6	521	604	519.60	10.73	508.87
MW-3	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	519.60	9.78	509.82
MW-3	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	519.60	10.97	508.63

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	06/28/2001	110	<0.50	<0.50	0.56	1.8	NA	1.8	519.60	11.49	508.11
MW-3	**10/22/2001**	**190**	**1.4**	**1.3**	**1.2**	**7.7**	**NA**	**<5.0**	**519.60**	**12.08**	**507.52**
MW-4	01/02/1992	ND	ND	ND	ND	ND	NA	NA	518.79	12.22	506.57
MW-4	04/02/1992	ND	ND	ND	ND	ND	NA	NA	518.79	11.03	507.76
MW-4	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.36	506.43
MW-4	10/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.40	506.39
MW-4	01/11/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.72	508.07
MW-4	05/05/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.21	508.58
MW-4	08/09/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.25	506.54
MW-4	10/14/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.58	506.21
MW-4	01/24/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	11.72	507.07
MW-4	05/31/1994	NA	NA	NA	NA	NA	NA	NA	518.79	11.29	507.50
MW-4	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	12.00	506.79
MW-4	11/02/1994	NA	NA	NA	NA	NA	NA	NA	518.79	11.96	506.83
MW-4	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.42	508.37
MW-4	05/09/1995	NA	NA	NA	NA	NA	NA	NA	518.79	11.22	507.57
MW-4	08/21/1995	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	518.79	10.51	508.28
MW-4	10/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	10.86	507.93
MW-4	02/07/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	518.79	8.93	509.86
MW-4	04/30/1996	NA	NA	NA	NA	NA	NA	NA	518.79	9.03	509.76
MW-4	08/14/1996	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	9.84	508.95
MW-4	11/22/1996	NA	NA	NA	NA	NA	NA	NA	518.79	9.73	509.06
MW-4	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	8.85	509.94
MW-4	05/23/1997	NA	NA	NA	NA	NA	NA	NA	518.79	10.15	508.64
MW-4	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	10.61	508.18
MW-4	10/31/1997	NA	NA	NA	NA	NA	NA	NA	518.79	10.36	508.43

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	02/06/1998	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	518.79	7.46	511.33
MW-4	05/19/1998	NA	NA	NA	NA	NA	NA	NA	518.79	8.91	509.88
MW-4	07/31/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	518.79	8.99	509.80
MW-4	11/04/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	518.79	10.08	508.71
MW-4	11/11/1999	83.6	6.50	7.52	4.31	9.59	<2.50	NA	518.79	9.81	508.98
MW-4	04/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.79	9.24	509.55
MW-4	10/16/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	518.79	10.49	508.30
MW-4	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	518.79	10.82	507.97
MW-4	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**518.79**	**11.45**	**507.34**
MW-5	01/02/1992	1800	74	41	84	94	NA	NA	521.19	14.56	506.63
MW-5	04/02/1992	ND	ND	ND	ND	ND	NA	NA	521.19	13.58	507.61
MW-5	07/21/1992	1000	69	16	40	31	NA	NA	521.19	13.77	507.42
MW-5	10/09/1992	3400	890	51	110	110	NA	NA	521.19	14.09	507.10
MW-5	01/11/1993	15000	460	110	900	370	NA	NA	521.19	12.24	508.95
MW-5	05/05/1993	4500	160	19	280	110	NA	NA	521.19	11.90	509.29
MW-5	08/09/1993	2300	180	19	130	80	NA	NA	521.19	13.35	507.84
MW-5	10/14/1993	2200	160	27	90	64	NA	NA	521.19	13.89	507.30
MW-5	01/24/1994	2600	69	11	65	25	NA	NA	521.19	13.32	507.87
MW-5	05/31/1994	3100	130	64	140	120	NA	NA	521.19	12.75	508.44
MW-5	08/31/1994	600	20	2.9	14	7.1	NA	NA	521.19	14.34	506.85
MW-5	11/02/1994	2300	68	18	52	54	NA	NA	521.19	14.22	506.97
MW-5	02/20/1995	12000	130	<30	240	138	NA	NA	521.19	12.78	508.41
MW-5	05/09/1995	2500	57	60	54	37	NA	NA	521.19	13.41	507.78
MW-5	08/21/1995	11000	91	28	140	120	<100	<100	521.19	12.32	508.87
MW-5	10/20/1995	2300	38	3.8	28	19	NA	NA	521.19	13.28	507.91
MW-5	02/07/1996	1800	35	8.1	37	20	NA	NA	521.19	11.31	509.88

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-5	04/30/1996	NA	NA	NA	NA	NA	NA	NA	521.19	11.52	509.67
MW-5	08/14/1996	3500	130	22	170	47	71	NA	521.19	12.03	509.16
MW-5	11/22/1996	3500	160	15	190	28	<200	NA	521.19	12.22	508.97
MW-5	02/14/1997	2900	150	54	330	68	<300	NA	521.19	11.20	509.99
MW-5	05/23/1997	10000	170	98	380	68	<200	NA	521.19	12.55	508.64
MW-5	07/25/1997	2700	110	<0.5	33	<0.5	<30	NA	521.19	12.93	508.26
MW-5	10/31/1997	NA	NA	NA	NA	NA	NA	NA	521.19	12.78	508.41
MW-5	02/06/1998	67	<0.5	<0.5	<0.5	<0.5	<30	NA	521.19	10.26	510.93
MW-5	05/19/1998	4200	120	25	360	76	510	NA	521.19	11.12	510.07
MW-5	07/31/1998	270	<0.5	<0.5	<0.5	<0.5	<2.5	NA	521.19	11.79	509.40
MW-5	11/04/1998	2800	120	14	590	140	<25	<10	521.19	12.33	508.86
MW-5	11/11/1999	1220	40.5	22.8	16.4	6.22	<12.5	NA	521.19	12.64	508.55
MW-5	04/03/2000	5060	130	20.8	281	30.6	74.1	NA	521.19	11.64	509.55
MW-5	10/16/2000	2070	35.4	33.6	114	57.6	50.1	NA	521.19	12.82	508.37
MW-5	06/28/2001	1500	15	2.5	74	5.5	NA	<0.50	521.19	13.40	507.79
MW-5	**10/22/2001**	**2400**	**37**	**2.9**	**75**	**7.3**	**NA**	**<5.0**	**521.19**	**13.99**	**507.20**
MW-6	01/02/1992	23	ND	0.3	0.6	3	NA	NA	522.18	16.64	505.54
MW-6	04/02/1991	ND	ND	ND	ND	ND	NA	NA	522.18	15.61	506.57
MW-6	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.53	506.65
MW-6	10/09/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.69	506.49
MW-6	08/09/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	14.50	507.68
MW-6	10/14/1993	NA	NA	NA	NA	NA	NA	NA	522.18	NA	NA
MW-6	01/24/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.09	507.09
MW-6	05/31/1994	NA	NA	NA	NA	NA	NA	NA	522.18	14.64	507.54
MW-6	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	15.32	506.86
MW-6	11/02/1994	NA	NA	NA	NA	NA	NA	NA	522.18	15.32	506.86

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-6	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	522.18	14.07	508.11
MW-6	05/09/1995	NA	NA	NA	NA	NA	NA	NA	522.18	14.30	507.88
MW-6	10/20/1995	NA	NA	NA	NA	NA	NA	NA	522.18	14.31	NA
MW-6	07/25/1997	NA	NA	NA	NA	NA	NA	NA	522.18	NA	NA
MW-7	01/02/1992	NA	NA	NA	NA	NA	NA	NA	522.19	11.17	511.02
MW-7	04/02/1992	ND	ND	ND	ND	ND	NA	NA	522.19	10.34	511.85
MW-7	07/21/1992	NA	NA	NA	NA	NA	NA	NA	522.19	9.02	513.17
MW-7	05/31/1994	NA	NA	NA	NA	NA	NA	NA	522.19	9.42	512.77
MW-7	08/31/1994	NA	NA	NA	NA	NA	NA	NA	522.19	6.84	515.35
MW-7	11/02/1994	NA	NA	NA	NA	NA	NA	NA	522.19	6.48	515.71
MW-7	02/20/1995	NA	NA	NA	NA	NA	NA	NA	522.19	7.71	514.48
MW-7	05/09/1995	NA	NA	NA	NA	NA	NA	NA	522.19	7.65	514.54
MW-7	08/21/1995	NA	NA	NA	NA	NA	NA	NA	522.19	7.83	514.36
MW-7	10/20/1995	NA	NA	NA	NA	NA	NA	NA	522.19	8.61	513.58
MW-7	07/25/1997	NA	NA	NA	NA	NA	NA	NA	522.19	NA	NA
MW-8	01/02/1992	12000	32	980	200	760	NA	NA	524.03	18.42	505.61
MW-8	04/02/1992	ND	ND	ND	ND	ND	NA	NA	524.03	17.39	506.64
MW-8	07/21/1992	NA	NA	NA	NA	NA	NA	NA	524.03	14.02	510.01
MW-8	05/31/1994	NA	NA	NA	NA	NA	NA	NA	524.03	19.65	504.38
MW-8	08/31/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	524.03	17.40	506.63
MW-8	11/02/1994	NA	NA	NA	NA	NA	NA	NA	524.03	17.38	506.65
MW-8	02/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	524.03	15.99	508.04
MW-8	05/09/1995	NA	NA	NA	NA	NA	NA	NA	524.03	16.54	507.49
MW-8	08/21/1995	<50	<0.5	<0.5	0.67	0.62	<10	NA	524.03	15.77	508.26
MW-8	10/20/1995	NA	NA	NA	NA	NA	NA	NA	524.03	16.24	507.79

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-8	02/07/1996	<50	7.0	<0.5	<0.5	<0.5	NA	NA	524.03	14.42	509.61
MW-8	04/30/1996	61	9.6	<0.5	<0.5	<0.5	NA	NA	524.03	14.65	509.38
MW-8	08/14/1996	<50	0.73	<0.5	<0.5	<0.5	<30	NA	524.03	15.08	508.95
MW-8	11/22/1996	120	5.9	2.2	2.4	8.3	<30	NA	524.03	15.35	508.68
MW-8	02/14/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	14.32	509.71
MW-8	05/23/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	13.35	510.68
MW-8	07/25/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	16.05	507.98
MW-8	10/31/1997	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	524.03	15.86	508.17
MW-8	02/06/1998	180	17	<0.5	<0.5	6.0	<30	NA	524.03	13.62	510.41
MW-8	05/19/1998	<50	4.9	<0.5	<0.5	<0.5	<2.5	NA	524.03	14.23	509.80
MW-8	07/31/1998	140	<0.5	<0.5	<0.5	<0.5	<2.5	NA	524.03	14.95	509.08
MW-8	11/04/1998	<50	1.2	100	1.9	7.8	<2.5	NA	524.03	15.42	508.61
MW-8	11/11/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.70	<0.500	524.03	15.74	508.29
MW-8	04/03/2000	87.7	10.8	<0.500	<0.500	<0.500	<2.50	NA	524.03	14.76	509.27
MW-8	10/16/2000	237	11.3	<0.500	<0.500	0.544	7.93	NA	524.03	15.91	508.12
MW-8	06/28/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	29	524.03	16.49	507.54
MW-8	**10/22/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**2.0**	**NA**	**<5.0**	**524.03**	**16.98**	**507.05**

WELL CONCENTRATIONS
Former Texaco Service Station
930 Springtown Boulevard
Livermore, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 28, 2001, analyzed by EPA method 8015.

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 28, 2001, analyzed by EPA method 8020.

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

ND = Not detected at or above the minimum quantitation limits.

Notes:

a = Sample analyzed outside of EPA recommended holding time.

For the event on April 3, 2000, the lab confirmed MTBE by 8260 for well MW-B instead of well MW-A.

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Nick Sudano
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 8 Water Samples
Project Name : 930 Springtown Boulevard, Livermore
Project Number : 011022-Q1
P.O. Number : 91995053

Dear Mr. Sudano,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-A** Matrix : Water Lab Number : 22999-01
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**24**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**38**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**1000**	10	ug/L	EPA 8260B	10/28/2001
Total Xylenes	**980**	10	ug/L	EPA 8260B	10/28/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**15000**	1000	ug/L	EPA 8260B	10/28/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	10/25/2001

Sample : **MW-B** Matrix : Water Lab Number : 22999-02
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**20**	2.0	ug/L	EPA 8260B	10/28/2001
Toluene	**400**	2.0	ug/L	EPA 8260B	10/28/2001
Ethylbenzene	**330**	2.0	ug/L	EPA 8260B	10/28/2001
Total Xylenes	**1100**	2.0	ug/L	EPA 8260B	10/28/2001
Methyl-t-butyl ether (MTBE)	**< 20**	20	ug/L	EPA 8260B	10/28/2001
TPH as Gasoline	**7000**	200	ug/L	EPA 8260B	10/28/2001
Toluene - d8 (Surr)	110		% Recovery	EPA 8260B	10/28/2001
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/28/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-1** Matrix : Water Lab Number : 22999-03
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/26/2001
Total Xylenes	**0.55**	0.50	ug/L	EPA 8260B	10/26/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/26/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/26/2001
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	10/26/2001
4-Bromofluorobenzene (Surr)	91.2		% Recovery	EPA 8260B	10/26/2001

Sample : **MW-2** Matrix : Water Lab Number : 22999-04
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	96.2		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-3** Matrix : Water Lab Number : 22999-05
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.4**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**1.3**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**1.2**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**7.7**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**190**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	10/25/2001

Sample : **MW-4** Matrix : Water Lab Number : 22999-06
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 22999
Date : 11/1/2001

Project Name : **930 Springtown Boulevard, Livermore**
Project Number : **011022-Q1**

Sample : **MW-5** Matrix : Water Lab Number : 22999-07
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**37**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**2.9**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**75**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**7.3**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**2400**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	97.7		% Recovery	EPA 8260B	10/25/2001

Sample : **MW-8** Matrix : Water Lab Number : 22999-08
Sample Date :10/22/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**2.0**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 22999

Date : 11/1/2001

Project Name : **930 Springtown**

Project Number : **011022-Q1**

22999 Quality Control Data - Method Blank

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/25/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/25/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/25/2001
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	10/25/2001
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	10/25/2001

Approved By: Joel Kiff

Report Number : 22999

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/1/2001

Project Name : **930 Springtown**

Project Number : **011022-Q1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Spike Recovery Data														
Benzene	22943-09	<0.50	40.5	40.2	40.2	40.9	ug/L	EPA 8260B	10/26/2009	99.3	102	2.31	70-130	25
Toluene	22943-09	<0.50	40.5	40.2	39.4	40.3	ug/L	EPA 8260B	10/26/2009	97.4	100	2.71	70-130	25
Tert-Butanol	22943-09	<5.0	202	201	188	193	ug/L	EPA 8260B	10/26/2009	92.8	96.0	3.29	70-130	25
Methyl-t-Butyl Ether	22943-09	<0.50	40.5	40.2	32.0	32.2	ug/L	EPA 8260B	10/26/2009	79.0	80.0	1.35	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 22999

Date : 11/1/2001

QC Report : Laboratory Control Sample (LCS)

Project Name : **930 Springtown**

Project Number : **011022-Q1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	10/24/200	109	70-130
Toluene	40.0	ug/L	EPA 8260B	10/24/200	118	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/24/200	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/24/200	116	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

LAB: KIFF

Lab Identification (if necessary):

Address:

City, State, Zip:

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager to be Invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

22999

INCIDENT NUMBER (S&E ONLY): 9 1 9 9 5 0 5 3

SAP or CRMT NUMBER (TS/CRMT):

DATE: 10/22/01

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	
PROJECT CONTACT (Hardcopy or PDF Report to): Nick Sudano	
TELEPHONE: 408-573-0555	FAX: 408-573-7771
E-MAIL: nsudano@blainetech.com	
SITE ADDRESS (Street and City): 930 Springtown Boulevard, Livermore	GLOBAL ID NO.: T0600101353
EDF DELIVERABLE TO (Responsible Party or Designee): Janet Yantis	PHONE NO.: 408-224-4724
E-MAIL: jyantis@khm1.com	CONSULTANT PROJECT NO.: BTS # 011022-8
SAMPLER NAME(S) (Print): SUCHEON SUNG	LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-A	10/22/01	1346	GW	3	X	X	X									-01
	MW-B		1433			X	X	X									-02
	MW-1		1245			X	X	X									-03
	MW-2		1153			X	X	X									-04
	MW-3		1315			X	X	X									-05
	MW-4		1120			X	X	X									-06
	MW-5		1415			X	X	X									-07
	MW-6	↓	1026	↓	↓	X	X	X									-08

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuttle / Kiff Analytical	Date: 102301	Time: 1140

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

WELL GAUGING DATA

Project # 011022-Q1 Date 10/22/01 Client 9199505 3

Site 930 SPRINGTOWN BLVD. LIVERMORE, CA.

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: ~~TOB~~ or TOC	
MW-A	2					12.74	16.35		
MW-B	2					10.44	22.20		
MW-1	4					12.90	25.40		
MW-2	4					10.54	22.48		
MW-3	4					12.08	24.52		
MW-4	3					11.45	24.85		
MW-5	2					13.99	22.00		
MW-8	4					16.98	24.20		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-A	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.35	Depth to Water: 12.74
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

.6 (Gals.) X	3	=	1.8	Gals.
1 Case Volume	Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1335	72.2	7.3	1676	>200	.6	light sheen odor & turbid
1338	70.8	7.2	1717	>200	1.2	"
1341	71.0	7.3	1749	>200	1.8	"

Did well dewater? Yes (No)		Gallons actually evacuated: 1.8	
Sampling Time: 1346		Sampling Date: 10/22/01	
Sample I.D.: MW-A		Laboratory: Sequoia Columbia Other KIFF	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	mg/L Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 9199503
Sampler: SS	Date: 10/22/01
Well I.D.: MW-B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 22.20	Depth to Water: 10.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

2 (Gals.) X 3 = 6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1420	71.1	7.6	1788	>200	2	TURBID ODOR / SHEEN
1424	69.0	7.6	1796	93	4	LESS TURBID
1428	68.7	7.6	1803	103	6	"

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 1433 Sampling Date: 10/22/01

Sample I.D.: MW-B Laboratory: Sequoia Columbia Other KIFF

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 25.40	Depth to Water: 12.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- ✓ Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: ✓ Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

8 (Gals.) X 3 = 24 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1215	69.0	7.2	2318	147	8	almost clear
1217	68.6	7.0	2354	>200	16	TURBID
1219	well dewatered @ 16 gal.					DTW - ~~DTW~~ 15.50
1240	68.7	7.0	2360	>200	24	TURBID DTW - 12.85

Did well dewater? (Yes) No — Gallons actually evacuated: 24

Sampling Time: 1245 — Sampling Date: 10/22/01

Sample I.D.: MW-1 — Laboratory: Sequoia Columbia Other KIFF

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 22.48	Depth to Water: 10.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

8 (Gals.) X 3 = 24 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1145	67.1	7.4	1762	>200	8	TURBID
1147	66.5	7.4	1835	>200	16	"
1149	66.5	7.4	1835	>200	24	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Time: 1153 Sampling Date: 10/22/01

Sample I.D.: MW-2 Laboratory: Sequoia Columbia Other KIFF

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.52	Depth to Water: 12.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- (X) Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: (X) Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

8 (Gals.) X 3 = 24 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1300	73.7	7.3	2092	>200	8	TURBID
1305	75.0	7.3	2066	>200	16	"
1310	76.7	7.1	2069	>200	24	"

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Time: 1315 Sampling Date: 10/22/01

Sample I.D.: MW-3 Laboratory: Sequoia Columbia Other KIFF

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 9199053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 24.85	Depth to Water: 11.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method:

- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

5 (Gals.) X 3 = 15 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1055	70.2	7.6	1350	>200	5	MUCKY
1105	70.9	7.6	1343	>200	10	"
1115	71.9	7.7	1341	>200	15	"

Did well dewater? Yes (No)
Gallons actually evacuated: 15

Sampling Time: 1120
Sampling Date: 10/22/01

Sample I.D.: MW-4
Laboratory: Sequoia Columbia Other KIFF

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

EB I.D. (if applicable): @ Time
Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 22.00	Depth to Water: 13.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1.5 (Gals.) X	3	= 4.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1400	70.5	7.4	1653	>200	1.5	GREY & TURBID mild odor
1405	70.1	7.3	1841	>200	3.0	"
1410	69.6	7.3	1936	>200	4.5	"

Did well dewater? Yes (No)	Gallons actually evacuated: 4.5
Sampling Time: 1415	Sampling Date: 10/22/01
Sample I.D.: MW-5	Laboratory: Sequoia Columbia Other KIFF
Analyzed for: (TPH-G BTEX MTBE TPH-D)	Other:
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 011022-Q1	Site: 91995053
Sampler: SS	Date: 10/22/01
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~[illegible]~~ 24.20	Depth to Water: ~~[illegible]~~ 16.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

5 (Gals.) X 3 = 15 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1019	63.9	5.9	1746	94	5	clear
1020	63.9	6.6	1720	75	10	"
1021	64.3	6.8	1707	45	15	"

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Time: 1026 Sampling Date: 10/22/01

Sample I.D.: MW-8 Laboratory: Sequoia Columbia Other KIFF

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

$0 1

EQUIVA WELL MONITORING DA . SHEET

BTS #: 020104-DA2	Site: 930 Springtown Blvd. Livermore
Sampler: DA	Date: 1/4/02
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 24.20	Depth to Water: 15.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- (Electric Submersible)
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: (Bailer)
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

5.8 (Gals.) X 3 = 17.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	(4")	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1242	60.2	7.2	1683	80	5.8	
1244	61.8	7.0	1444	50	11.6	
1245	61.7	7.1	1431	50	17.4	

Did well dewater? Yes (No)		Gallons actually evacuated: 17.4	
Sampling Time: 1249		Sampling Date: 1/4/02	
Sample I.D.: MW-8		Laboratory: Sequoia Columbia Other Kiff	
Analyzed for: ~~TPH-G BTEX MTBE~~ TPH-D		Other:	
EB I.D. (if applicable): @ Time		Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV