Ian Robb
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9496
Fax (925) 842-8370
ianrobb@chevron.com

December 19, 2007

RE: Chevron Service Station # - 21-1253

Address 930 Springtown Blvd., Livermore

I have reviewed the attached report dated December 19, 2007.

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

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

December 19, 2007

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) has prepared this *Subsurface Investigation Report* on behalf of Chevron Environmental Management Company (Chevron) in response to a May 3, 2007 letter from ACEHS (Attachment A). 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 three Cone Penetrometer Test (CPT) borings, two onsite, and one offsite (Figure 2). Three additional CPT borings were proposed but were not completed due to property access issues, construction activities and utility clearance issues. A summary of 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). The initial discovery of hydrocarbons beneath the site occurred in September 1984 and consisted of the detection of approximately 1-inch of non-aqueous phase liquid (NAPL) hydrocarbons adjacent to the tank pit area. In the summer of 1985, the Underground Storage Tanks (USTs) and product lines were removed concurrent with the construction of a 7-Eleven convenience store on the site. Field inspection of the tanks and the relatively low levels of hydrocarbons detected in the tank pit area suggested a line leak rather than a tank leak. Since September 1985, no measurable NAPL has been observed in any of the site monitoring wells. 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 (JKA) performed an initial site investigation and discovered NAPL near the tank pit area. No additional information from this report is available at present.

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 the hydrocarbon plume in August 1985. GTI also took soil samples in the tankpit during UST and product line removal. Low levels of impacted soil in the tank pit area suggested that hydrocarbon impacts on-site probably resulted from a product line leak, rather than a UST leak. GTI conducted a ½-mile well survey through the Alameda Flood Control and Water Conservation District. In addition, a sensitive receptor survey was performed.

1987 Monitoring Well Installation: In March 1987, GTI installed wells MW-5 and MW-6. GTI collected soil samples from these well borings and a complete round of groundwater samples from all the monitoring wells onsite. The new wells were surveyed and GTI began monthly monitoring of groundwater levels at the site.

1990 Additional Site Assessment: GTI advanced four soil borings, two of which were converted to monitoring wells MW-7 and MW-8, in April 1990. Groundwater samples from wells MW-A, MW-B, and MW-1 through MW-8 were analyzed. Wells MW-A and MW-B had the highest concentrations of total petroleum hydrocarbons as gasoline (TPHg) and benzene. Well MW-A contained 39,000 parts per billion (ppb) TPHg and 2,700 ppb benzene. MW-B contained 5,900 ppb TPHg and 28 ppb 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 two soil borings, installed one groundwater extraction well, one vapor extraction well and one air sparge well. The highest hydrocarbon concentration detected in soil was 1,200 ppb just below the water table at 14.4 feet below grade (fbg) in boring B-1. WA developed, sampled and conducted a 24 hour aquifer test from the groundwater extraction well 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 offsite migration of hydrocarbons. WA also conducted a vapor extraction test from 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) would effectively remove vapors from a majority of the impacted areas. WA conducted an air sparging test from the air sparge and vapor extraction wells SP-1 and VE-1, respectively, and concluded that air sparging with vapor extraction would effectively remove hydrocarbons from beneath the site.

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) destroyed monitoring wells MW-6 and MW-7 by overdrilling to the maximum depth of 25 fbg.

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

1998 Soil Vapor Sampling Workplan: In December 1998, Pacific Environmental Group (PEG) proposed three soil vapor sampling points near wells MW-A, MW-B and MW-1 to supplement the 1997 RBCA analysis.

2003 Well Destruction Report: KHM destroyed the remaining onsite and offsite wells, including: MW-1 through MW-5, MW-A, MW-B, EW-1, VE-1, and SP-1 in December 2003. KHM destroyed the wells by pressure grouting.

CURRENT INVESTIGATION

To investigate potential preferential pathways and to define the hydrocarbon plume extent for re-evaluation for case closure, CRA advanced CPT borings CPT1, CPT2 and CPT6 at the locations identified on Figure 3. 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.

Three additional borings had been proposed, but were not completed due to utility clearance issues (CPT3) and problems with property access resulting from construction activities (CPT4 and CPT5). To complete CPT3, it will have to be moved onto Springtown Blvd. from Lassen Rd. and advanced within the traffic lane, not the parking lane. In the ACEHS correspondence dated January 31, 2007, it was requested that borings be advanced to the northwest of the site to investigate potential plume migration within channelized deposits (Attachment A). Completed boring CPT6 and proposed boring CPT5 will address this request. Due to the revised placement of CPT3 in the traffic lane and, consequently, the potential safety issues associated with working on a major thoroughfare, we request to elimination of CPT3 from this investigation. CPT4 and CPT5 will be completed as soon as it is possible to access the site.

Project Personnel: Jeremy Gekov, Charlotte Evans, John Williams, Ian Hull and Erin Ricketts conducted all fieldwork under the supervision of California Professional Geologist Robert C.Foss, P.G. No. 7445.

Permits: Work was performed under Zone 7 Water District Permit No. 27176.

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

Number of CPT Borings: Three CPT borings were advanced. The borings were back-filled with Portland type I/II grout using a tremie pipe then patched to match the existing surface.

Utility Clearance: Underground Service Alert (USA) marked known utilities around proposed CPT boring locations and a private utility locating company checked for additional subsurface utilities. The first 8 feet of each CPT boring were cleared using a hand-auger.

Soil Sampling: Soil samples were collected at 5 foot intervals in onsite borings CPT1 and CPT2. One soil sample was collected in the vadose zone at offsite boring CPT6. Some soil samples were not collected due to extremely hard lithology and potential for damage to 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.

Water Sampling: Grab groundwater samples were collected at coarse-grained intervals where noted on the CPT graphic logs. Samples were collected using a hydro-punch and bailer. Three water samples were collected from both boring CPT1 and CPT2. Two of the three attempted samples were collected from CPT6. Boring logs for the first eight feet and the CPT logs are presented in Attachment B.

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

Sediment Lithology: Boring logs for 0-8 fbg and CPT logs are presented as Attachment B.

Investigation Derived Waste: Soil cuttings and rinsate water generated during this investigation were stored onsite 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 130 milligrams per kilogram (mg/kg), in CPT1 at 41 fbg. Benzene was detected at a maximum concentration of 0.61 mg/kg in CPT1 at 30 fbg. Concentrations of all analytes in CPT2 and CPT6 were below laboratory method detection limits.

Hydrocarbons in Groundwater: Maximum TPHg and benzene concentrations in groundwater were 160,000 µg/L and 4,200 µg/L, respectively, from CPT1 at 24 fbg. Only TPHg was detected in all three borings. MTBE was not detected above laboratory method detection limits in any of the borings.

CONCLUSIONS AND RECOMMENDATIONS

Since borings CPT4 and CPT5 have not been completed, no recommendations will be made at this time. The remaining scope of work will be completed as soon as possible, once CRA is able to access the site. After the conclusion of additional field work and receipt of analytic data, a final report detailing all the borings will be submitted to ACEHS.

CLOSING

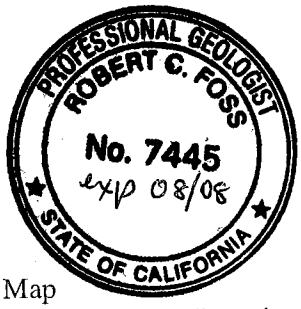
We appreciate the opportunity to work with you on this project. Please contact Charlotte Evans at (510) 420-3351 or Ian Robb at (925) 842-9496 if you have any questions or comments regarding this work.

Sincerely,
Conestoga-Rovers & Associates

Jeremy Gekov

Robert C. Foss

Robert C. Foss, P.G. #7445



Figures:
1 – Site Vicinity Map
2 – Site Plan with Proposed CPT Locations

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

Attachments:
A – ACEHS Letter dated May 3, 2007
B – ACEHS Letter dated January 31, 2007
C – Boring and CPT logs
D – Groundwater Analytic Reports
E – Soil Analytic Reports

cc:
Mr. Ian Robb, Chevron Environmental Management Company, 6001 Bollinger Canyon Road, 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

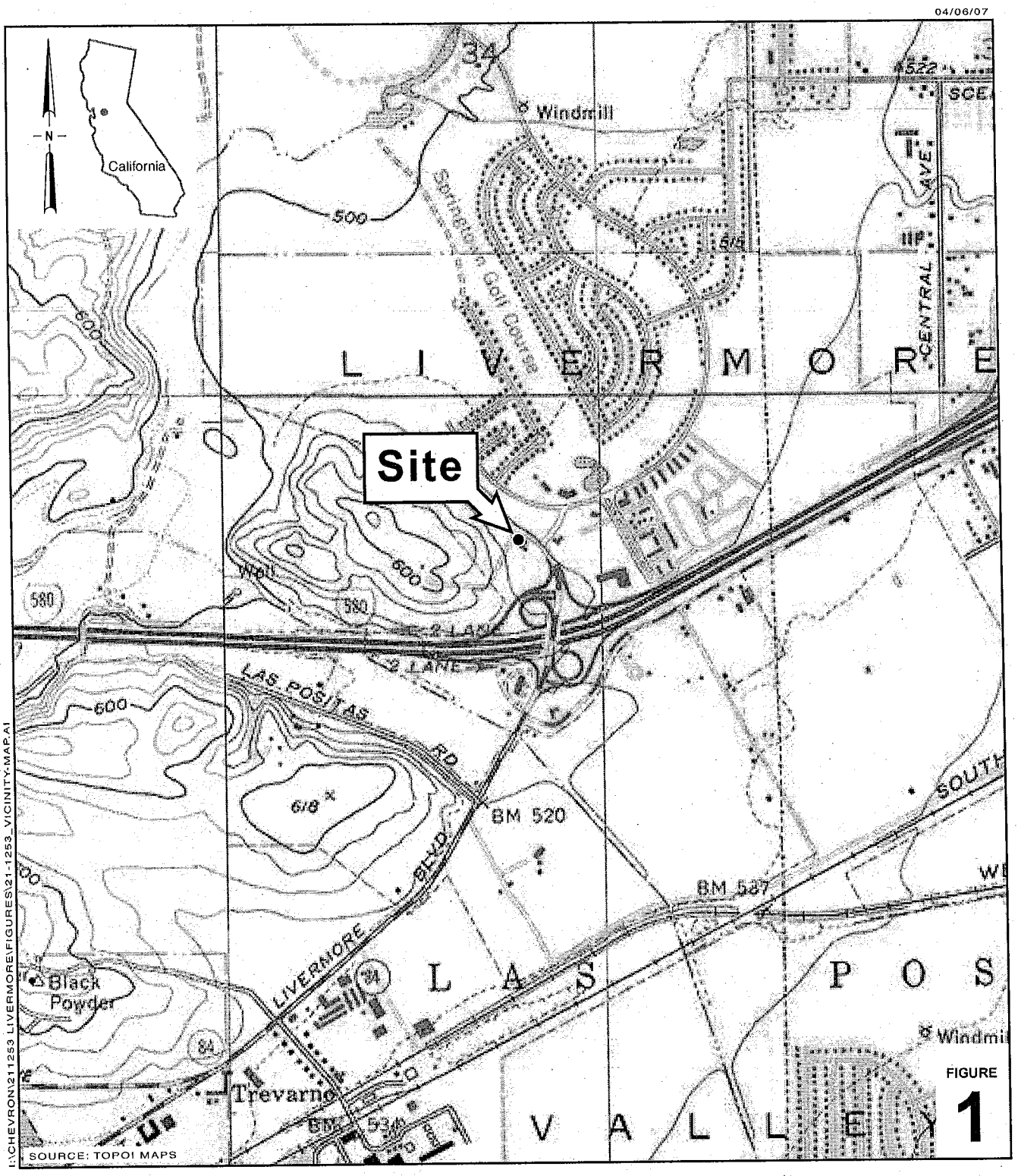


FIGURE **1**

Former Texaco Service Station

930 Springtown Boulevard

Livermore, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

12/12/07

EXPLANATION

- MW-1 ⊠ Destroyed monitoring well location
- CPT-1 ◉ CPT boring location (Nov. 2007)
- Storm Drain line
- Sanitary Sewer line
- Water line
- Gas line
- Communications line

CPT-6 ◉

MW-4 ⊠

MW-8 ⊠

SPRINGTOWN BOULEVARD

MW-6 ⊠

MW-5 ⊠

planter

CPT-2 ◉

MW-A ⊠

EW-1 ⊠

VE-1 ⊠

SP-1 ⊠

CPT-1 ◉

MW-B ⊠

former dispenser island

MW-3 ⊠

former USTs

LASSEN ROAD

planter

MW-2 ⊠

MW-1 ⊠

MW-7 ⊠

7-11 Store

planter

property line

N

0 20 40 80

Scale (ft)

Basemap modified from Aerial Photograph

I:\CHEVRON\221253 LIVERMORE\FIGURES\21-1253_PROP-CPT.DWG

FIGURE

2

Site Plan

Former Texaco Service Station #21-1253

930 Springtown Boulevard

Livermore, California

CONESTOGA-ROVERS & ASSOCIATES

12/12/07

EXPLANATION

- CPT-3 — Proposed CPT boring location
- MW-1 — Destroyed monitoring well location
- CPT-1 — CPT boring location (Nov. 2007)
- Storm Drain line
- Sanitary Sewer line
- Water line
- Gas line
- Communications line

CPT-6
CPT-5
CPT-4
MW-4
CPT-3
MW-8
SPRINGTOWN BOULEVARD
MW-6
MW-5
planter
CPT-2
MW-A
EW-1
VE-1
SP-1
CPT-1
MW-B
former dispenser island
MW-3
former USTs
MW-2
MW-1
LASSEN ROAD
planter
MW-7
7-11 Store
planter
property line

N

0 20 40 80

Scale (ft)

Basemap modified from Aerial Photograph

H:\CAD\ROM\211253 LIVERMORE\FIGURES\21-1253_PROP-CPT.DWG

FIGURE

3

Site Plan with Proposed CPT Locations

Former Texaco Service Station #21-1253

930 Springtown Boulevard
Livermore, California

CONESTOGA-ROVERS & ASSOCIATES

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

Sample ID	Sample Date	Depth fbg	TPHg	B	T	E	X	MTBE	DIPE	ETBE	TAME	TBA	EDB	1,2 DCA
			Concentrations reported in micrograms per liter (µg/l)											
CPT1	11/26/07	16	**1,700**	**7**	**110**	**21**	**140**	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT1	11/26/07	24	**160,000**	**4,200**	**20,000**	**1,700**	**15,000**	<25	<25	<25	<25	<100	<25	<25
CPT1	11/26/07	34	**30,000**	**1,500**	**1,600**	**710**	**2,900**	<2	<2	<2	<2	<8	<2	<2
CPT2	11/20/07	16	<50	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT2	11/20/07	24	**2,000**	<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT2	11/20/07	34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	**4**
CPT6	11/20/07	32	**94**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5
CPT6	11/20/07	48	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.5	<0.5

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by modified 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-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B

fbg = feet below grade

<x = Not detected above the method detection limit

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

Sample ID	Sample Date	Depth fbg	TPHg	B	T	E	X	MTBE	DIPE	ETBE	TAME	TBA	EDB	1,2 DCA
			Concentrations reported in miiligrams per kilograms (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
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

Abbreviations/Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by modified 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-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B

fbg = feet below grade

<x.xxx = Not detected above the method detection limit

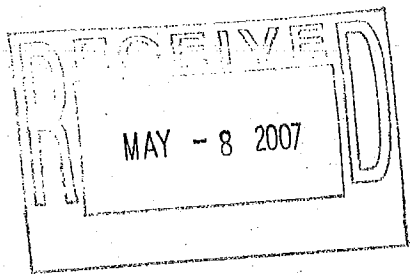
ATTACHMENT A

ACEHS Letter dated May 3, 2007

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:

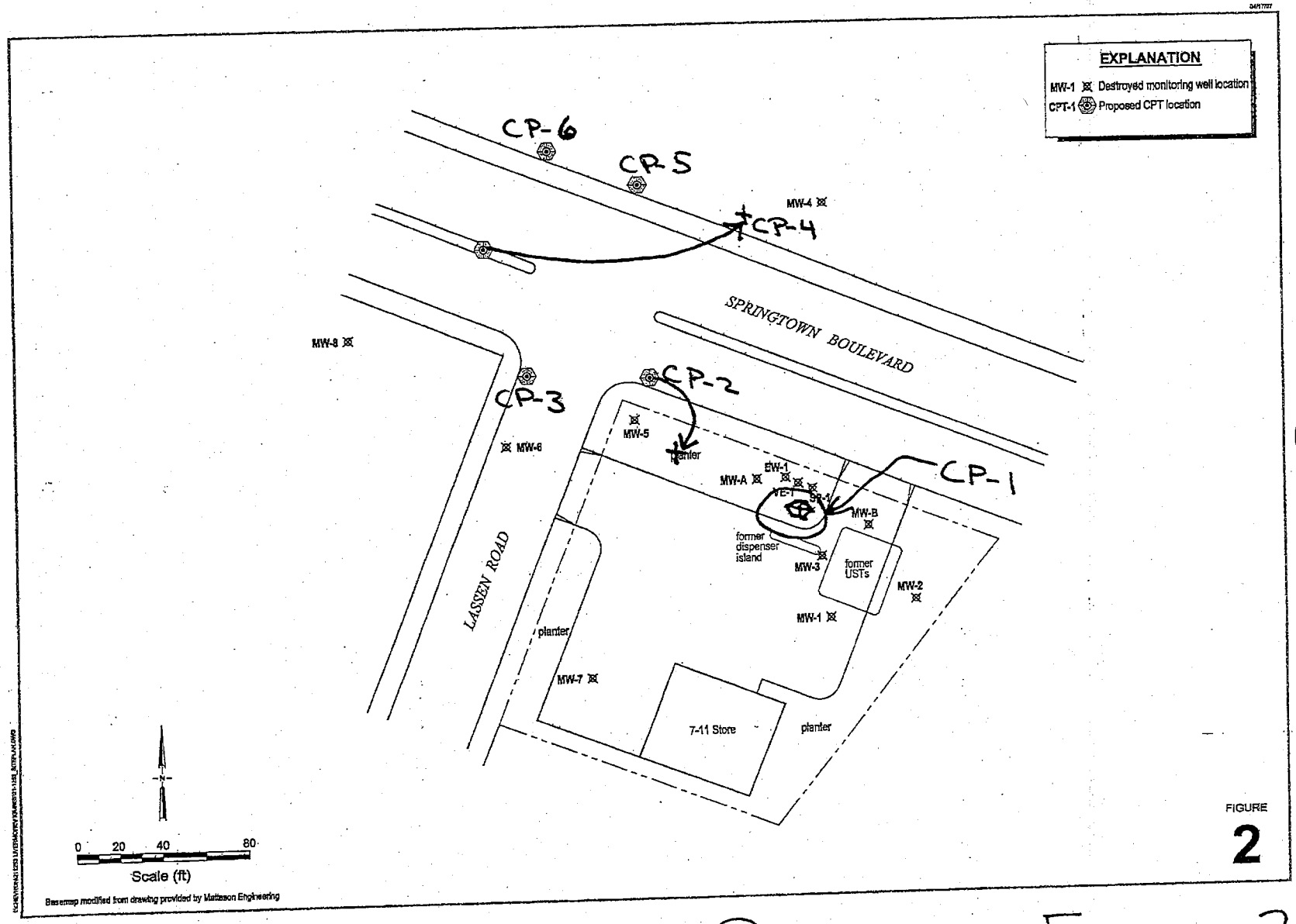
Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site, including the recently submitted document entitled, "Site Investigation Work Plan," dated April 18, 2007. The Work Plan proposes soil and groundwater sampling from cone penetration test (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



Site Plan with Proposed CPT Locations

CONESTOGA-ROVERS & ASSOCIATES

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

FIGURE
2

Revised Figure 2

(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

ATTACHMENT B

ACEHS Letter dated January 31, 2007

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

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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

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AGENCY OVERSIGHT

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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

ATTACHMENT C

Boring and CPT Logs

Conestoga-Rovers & Associates
5900 Hollis Street
Emeryville CA
Telephone: 510-420-0700
Fax:

BORING/ WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT1
JOB/SITE NAME	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	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA
REMARKS	Hand augered to 8 fbg		

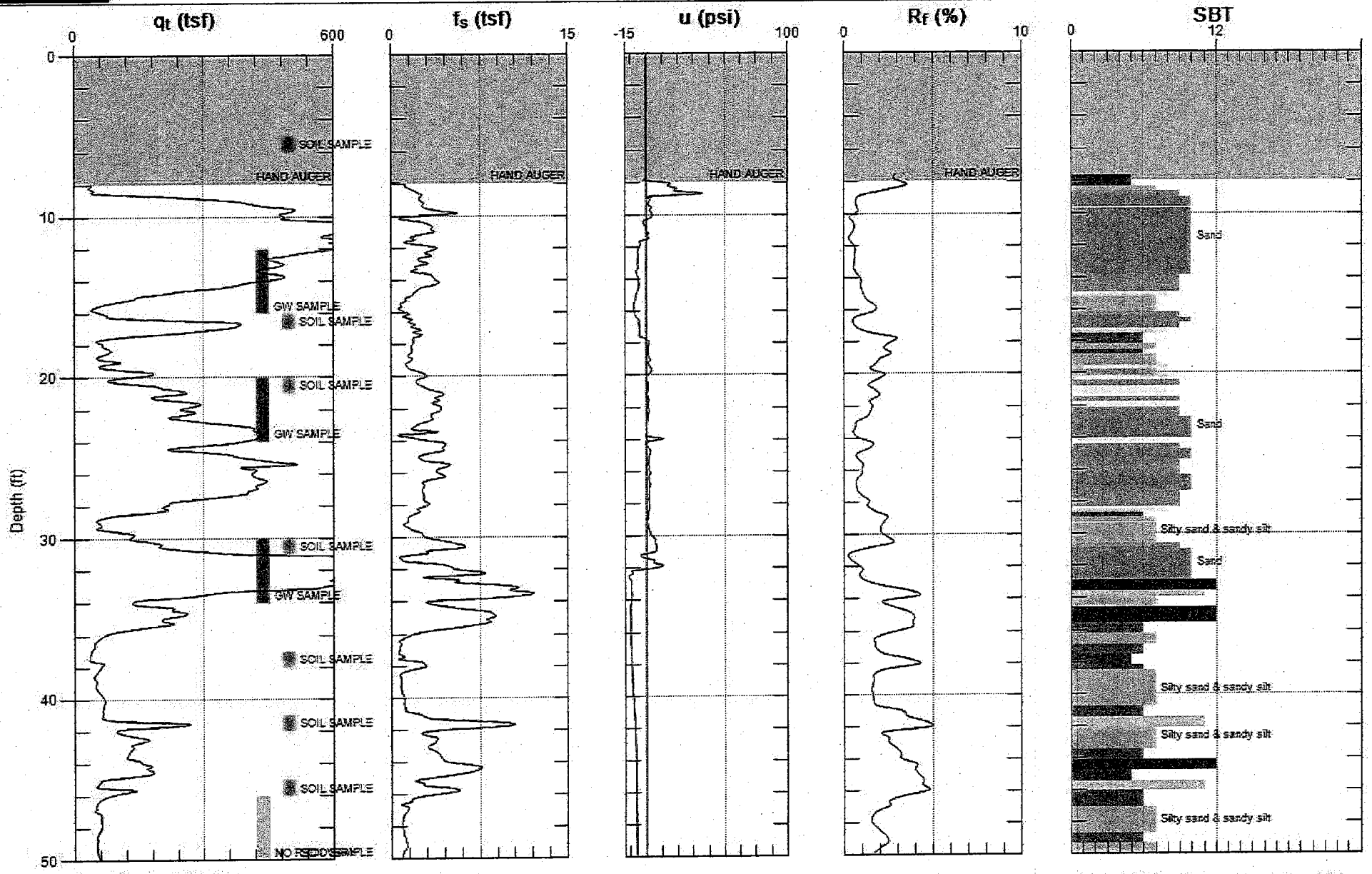
PID (ppm)	Blow Counts	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		CPT1- 5		5	ML		**Clayey SILT** Light brown; loose; 90% silt, 10% clay; moist; moderate plasticity, low estimated permeability. @ 6 fbg asphalt debris	8.0	Portland Type I/II
							Bottom of Boring @ 50 fbg (see CPT1 log in Attachment C for continuation of boring)		

WELL LOG (PID) I:\CHEVRON\211253 LIVERMORE\BORING & CPT LOGS\GINT2007.GPJ DEFAULT.GDT 12/5/07

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)

BORING/ WELL LOG

Conestoga-Rovers & Associates
5900 Hollis Street
Emeryville CA
Telephone: 510-420-0700
Fax:

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT2
JOB/SITE NAME	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	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 8 fbg		

PID (ppm)	Blow Counts	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		CPT2- 5		5	ML		**Clayey SILT with sand** Light brown; loose; 80% silt, 10% clay, 10% fine sand; moist; low plasticity, low estimated permeability.		Portland Type I/II
							@ 6 fbg asphalt with baserock	8.0	
							Bottom of Boring @ 50 fbg (see CPT2 log in Attachment C for continuation of boring)		

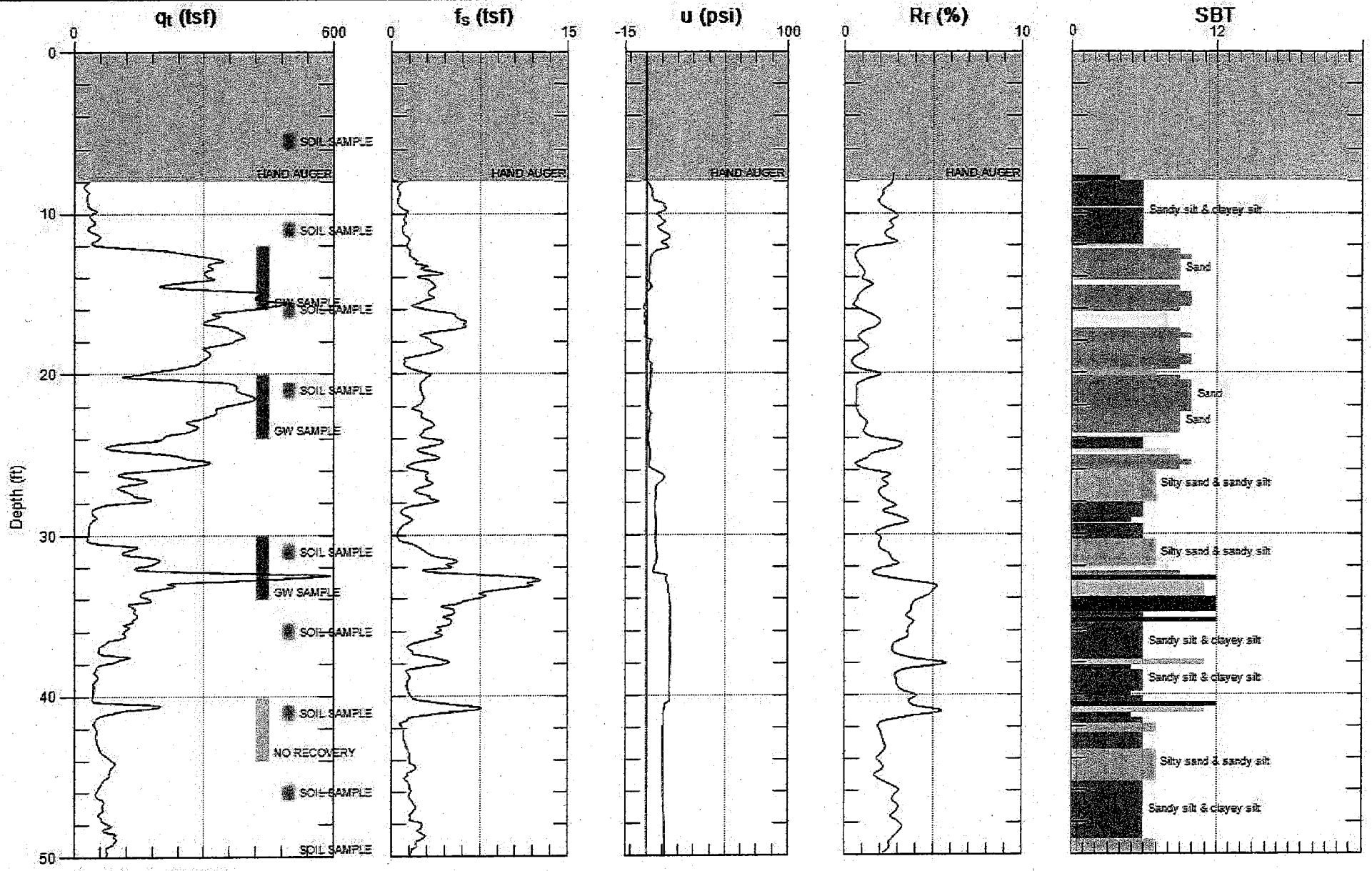
WELL LOG (PID) I:\CHEVRON\211253 LIVERMORE\BORING & CPT LOGS\GINT2007.GPJ DEFAULT.GDT 12/5/07

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)

Conestoga-Rovers & Associates
5900 Hollis Street
Emeryville CA
Telephone: 510-420-0700
Fax:

BORING/ WELL LOG

CLIENT NAME	Chevron Environmental Management Company	**BORING/WELL NAME**	CPT6
JOB/SITE NAME	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	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Hand Auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3 inches	**SCREENED INTERVALS**	NA
LOGGED BY	Jeremy Gekov	**DEPTH TO WATER (First Encountered)**	NA ▽
REVIEWED BY	R. Foss, PG #7445	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Hand augered to 8 fbg		

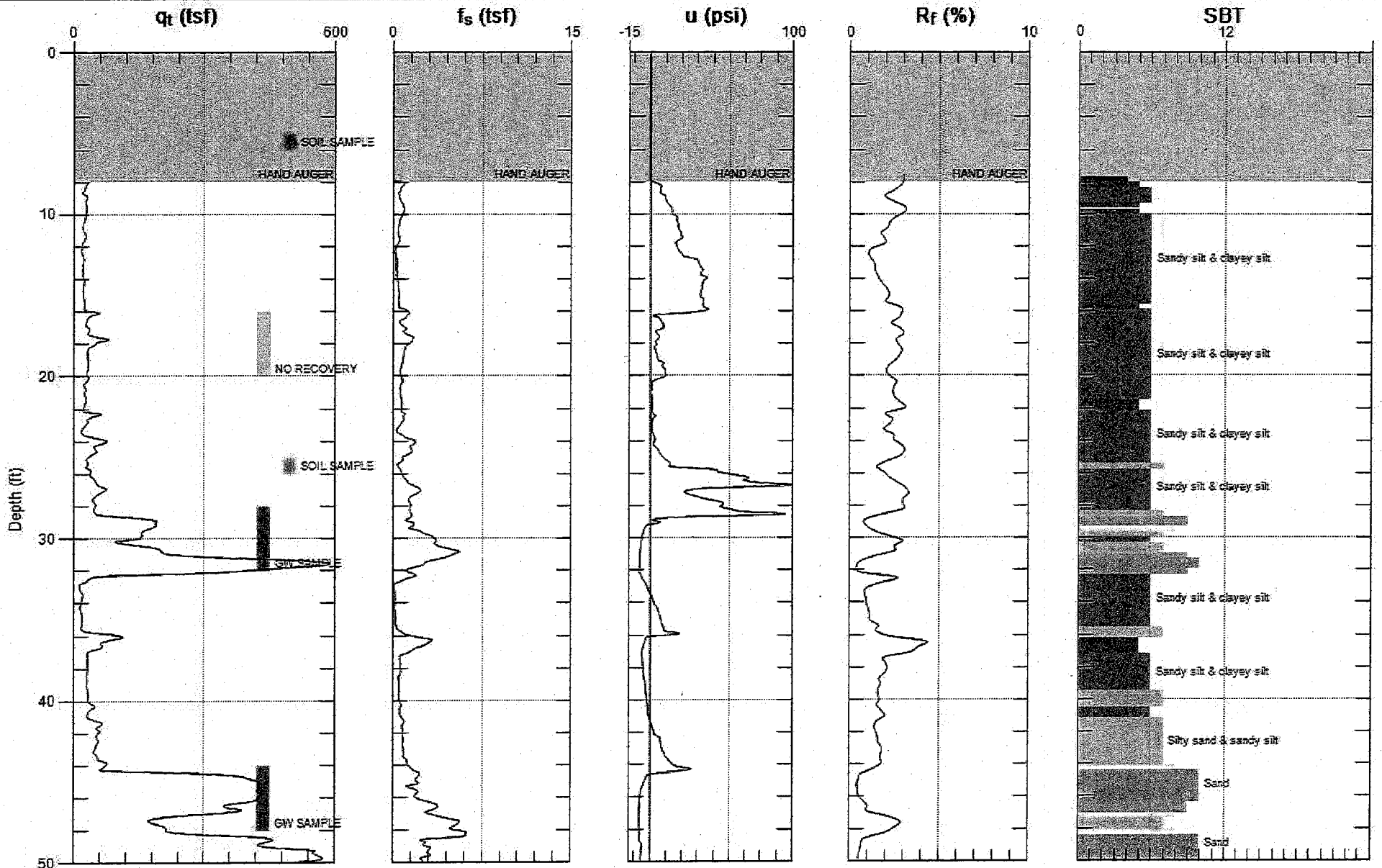
PID (ppm)	Blow Counts	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
0		CPT6- 5		5	ML		**SILT with gravel and sand** Light brown; 80% silt, 10% gravel to 1/4", 10% fine sand; dry; moderate plasticity, low estimated permeability.	8.0	Portland Type I/II
							Bottom of Boring @ 50 fbg (see CPT6 log in Attachment C for continuation of boring)		

WELL LOG (PID) I:\CHEVRON\211253 LIVERMORE\BORING & CPT LOGS\GINT2007.GPJ DEFAULT.GDT 12/5/07

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)

ATTACHMENT D

Groundwater 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 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

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,

Susan M Goshert

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. 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

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. 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

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. 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

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. 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

Lancaster Laboratories

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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
Reported: 12/19/07 at 12:47 PM

Group Number: 1066887

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

Lancaster Laboratories
Where quality is a science.

RUSH

112607-06

Acct #: 10880 | For Lancaster Laboratories use only | Sample #: 5219702-06 | SCR#: 1066887

Facility #: 21-1253 ATL
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:	11/26/07	1700	Received by: Secure Location	11/26/07	1700
Relinquished by:	11/26/07	1450	Received by:	11/26/07	1450
Relinquished by:	11/26/07	1550	Received by:	11/26/07	
Relinquished by Commercial Carrier: DHL			Received by: Kathy Blinkley	11-27-07	0920
UPS FedEx Other			Custody Seals Intact? Yes No		

Temperature Upon Receipt 2.°-5.6C° Ranges

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 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

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

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

Quality Control Summary

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

Group Number: 1066888

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

Lancaster Laboratories
Where quality is a science.

RUSH 11/26/07-08

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

Facility #: 211253 AIL
Site Address: 930 Springtown Blvd, Livermore, CA
Chevron PM: ~~Tom Robb~~ Lead Consultant: CRA
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	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
CPT1-16	WG	—	12	07 11 26	9:40	X	X		6	X	X			X			X	X
CPT1-24	Water	—	20	07 11 26	10:10	X	X		6	X	X			X			X	X
CPT1-34	water	—	30	07 11 26	10:40	X	X		6	X	X			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
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: Kathy Binkley	11-27	0820

UPS FedEx Other
Temperature Upon Receipt 2.°-5.6C° 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.

ATTACHMENT E

Soil 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 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

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Analysis Report

COPY TO

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 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.

Lancaster Laboratories

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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

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 07:42	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
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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	0.99
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

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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 08:23	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

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 08:42	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

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 09:54	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

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 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
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	0.96
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

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 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

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 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

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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

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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 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.

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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

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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	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
Reported: 12/19/07 at 12:47 PM

Group Number: 1066886

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.

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Analysis Report

Quality Control Summary

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

Group Number: 1066886

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 A/L
Site Address: 930 Springtown Blvd. Livermore
Chevron PM: ~~Ian Rabb~~ Sinha Rev 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 Gecko
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 Gel 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			✓	

Comments / Remarks
Oxys: TAME, DIPE, TBA, ETBE, MTBE, EDB, 1,2-DCA
send results to:
cevans@ceanet.com
jgeka@ceanet.com
emailed to:
do.hoa@ceanet.com

Turnaround Time Requested (TAT) (please circle)
STD. TAT (24 hour) 72 hour 48 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:	11/19/07	1630	Received by: Secure Location	11/19/07	1630
Relinquished by:	11/26/07	1450	Received by: Andrea Munoz	11-26-07	1450
Relinquished by:	11-26-07	1530	Received by:	11-26	
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by: Kathy Binkley	11-27-07	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 PRINT

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:

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 X 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates 8260B	Lead 7420 ☐ 7421 ☐	1,2 DCA 8260B	EDB 8260B
~~CPT 1-5 5~~	~~5~~		~~5~~	~~07 11 21~~	~~0945~~												
CPT 1-5	5		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

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 EMAIL RESULTS TO:
cevans@craworld.com
jgekov@craworld.com
EDF TO Dchare@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	1215	Received by: Serge Lagha	11/26/07	1215
Relinquished by:	11/26/07	1450	Received by: Andrea Amaya	11-26-07	1450
Relinquished by:	11/26/07	1550	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°C Range					

3460 Rev. 10/04/01

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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.

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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

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Analysis Report

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
Reported: 12/19/07 at 12:48 PM

Group Number: 1066889

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.

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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.

RUSH 11 0607 - 08

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

Facility #: 21-1253 ATL
Site Address: 930 Springtown Boulevard, 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:

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 ☒
CPT6-25	soil	—	24.5	07 11 20	1022	X			1	X	X			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 email results to:
cevans@craworld.com
jgekow@craworld.com

Send edf to
dchang@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
Jeremy Gekow	11/26/07	1700	Secure Locker	11/26/07	1700
	11/26/07	1450	Andrea Anaya	11/26/07	1750
Andrea Anaya	11/26/07	1550	DHL		
Relinquished by Commercial Carrier: DHL			Received by: Kathy Bickley	11-27-07	0920

UPS FedEx Other
Temperature Upon Receipt 2.0-5.1°C Rongeo
Custody Seals Intact? (Yes) No

3460 Rev. 10/04/01

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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.