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8:26 am, May 15, 2007

Alameda County Environmental Health

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

May 14, 2007

Mr. Barney Chan Hazardous Materials Specialist Alameda County Environmental Health Services (ACEHS) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502

Re:

Well Installation Report

Former Signal Oil Service Station (Chevron Site #20-6145) 800 Center Street Oakland, California CRA Project No. 312002

Dear Mr. Chan:

Conestoga-Rovers & Associates (CRA) prepared this *Well Installation Report* for the subject site (Figure 1) on behalf of Chevron Environmental Management Company (Chevron) in response to a February 2007 letter from ACEHS (Attachment A). CRA installed nine new groundwater monitoring wells each completed between specific 5-foot depth intervals ranging from 40 to 75 feet below grade (fbg) (Figure 2). A summary of CRA's well installation activities is presented below.

WELL INSTALLATION ACTIVITIES

Previously acquired data depicted an unusual vertical profile of hydrocarbon concentrations in groundwater. In response to an ACEHS request, CRA has installed nine clustered monitoring wells to further define the vertical profile of hydrocarbons. Eight wells screened from 35-40 fbg or 55-60 fbg will achieve repeatable depth-discrete groundwater samples. Well MW-17 was screened from 70-75 fbg in an attempt to define the maximum depth of the hydrocarbon profile. These properly completed and developed wells will insure samples from specific depths without a greatly reduced possibility of cross-contamination from impacted upper zones.

Site Health and Safety Plan: CRA prepared a comprehensive site health and safety plan to protect site workers. The plan was reviewed and signed by all site workers and visitors and kept onsite at all times during the field work.



Permit: The well installation was completed under Alameda County Public Works Agency – Water Resources (ACPWA) permit numbers W2007-0494 to W2007-0502 (Attachment B).

Drilling Dates: CRA conducted drilling between April 9-13, 2007.

Personnel: CRA's Staff Geologists Jonathan Williams and Ian Hull conducted the field work under the supervision of CRA Project Manager Charlotte Evans and California Professional Geologist Robert Foss (P.G. #7445).

Drilling Company: CRA contracted Gregg Drilling & Testing, Inc. (Gregg) of Martinez, California (C57 #485165) to install the wells.

Underground Utility Location: Prior to drilling, CRA contacted Underground Service Alert (USA) to clear the proposed well location and to identify the locations of any underground utilities beneath the site. Prior to the advancement of mechanical devices (i.e. hollow-stem augers), Gregg cleared the well locations to 8 fbg using an air-knife-assisted vacuum truck.

Number of Wells: CRA installed MW-9 through MW-17 (Figure 2).

Drilling and Sampling: Following clearance to 8 fbg, Gregg drilled the wells using 8-inch diameter hollow-stem augers to either 40, 60, or 75 fbg. CRA personnel logged the soil lithology and collected soil samples for laboratory analysis at approximately 5-foot intervals.

Sediment Lithology: Subsurface lithology consisted of medium permeability sand and silty sand to the maximum depth explored. Silt, with thin clayey silt and silty clay stringers occur between approximately 50 and 65fbg. Groundwater was first encountered at approximately 15 fbg. Boring logs, graphically displaying the soils encountered, sample intervals and well construction details, are included in Attachment C.

Well Construction: The wells are screened with 5-foot sections of 0.010-inch slotted, 2-inch diameter, Schedule-40 polyvinyl chloride (PVC) pipe placed at the bottom of the borings with blank PVC casing extending to the surface. Monterey #2/12 sand fills the annular space from the bottom of the borings to two feet above the top of the well screen. A two-foot bentonite seal was placed above the sand-pack. The wells were completed with Portland type I/II cement filling the annular space to just below grade. Traffic-rated steel well boxes placed in a



concrete cap protect the wells at the ground surface. The boring logs included in Attachment C show well construction details.

Laboratory Analysis: As each soil sample was collected, CRA personnel capped and labeled the brass tube, logged the sample on a chain of custody form, and placed the sample on ice in a cooler. When the field activities were completed, the samples were transported, under chain of custody, to Lancaster Laboratories of Lancaster, Pennsylvania for the following analyses.

- Total petroleum hydrocarbons as gasoline (TPHg) and Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015M (with silica gel cleanup).
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260B.

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

Well Development and Sampling: On April 20th, Gettler-Ryan, Inc. (GR) of Dublin, California developed and sampled the new wells.

Well Survey: Morrow Surveying of West Sacramento, California is scheduled to survey these new wells on May 8th. The survey report will provide top of casing elevations, along with latitude and longitude of the new wells with respect to mean sea level.

Soil and Water Disposal: CRA stored soil cuttings and rinse water generated during the field activities on-site in labeled, DOT-approved, 55-gallon steel drums. After reviewing the analytic results for profile samples, Integrated Wastestream Management (IWM) of San Jose, California transported the soil and water to appropriate Chevron-approved facilities for disposal.

Well Completion Reports: Department of Water Resources (DWR) Well Completion Reports are confidential documents and are therefore not included in this report. CRA will submit these forms to the DWR and copies maintained in our files will be made available for agency review upon request.



PETROLUEM HYDROCARBON DISTRIBUTION IN SOIL

The highest TPHg concentration detected in soil was 7,300 milligrams per kilogram (mg/kg) at 9.5 fbg in MW-17. TPHg was detected at depths down to 49.5 fbg at 1.5 mg/kg in MW-14. The highest TPHd and benzene concentrations were also in MW-17 at 710 mg/kg and 7.2 mg/kg, respectively. TPHd was not detected below 14.5 fbg in any of the samples. Benzene was detected at 59.5 fbg at 0.0006mg/kg in MW-17.

PETROLEUM HYDROCARBON DISTRIBUTION IN GROUNDWATER

TPHg, TPHd and benzene were detected in all wells. The highest TPHg and benzene concentrations detected in groundwater were $16,000~\mu g/L$ and $550~\mu g/L$, respectively, from well MW-14, screened from 55-60 fbg, in the southwest corner of the site. MW-16, screened from 55-60 fbg reported the highest concentration of TPHd at $2,200~\mu g/L$.

The first groundwater sampling event was performed on April 20, 2007. The second and third groundwater sampling events will be performed at 2-month intervals to evaluate if elevated levels of hydrocarbons at depth are consistent with the current results.



CLOSING

We appreciate the opportunity to work with you on this project. Should you have any questions, please contact Charlotte Evans at CRA at (510) 420-3351 or Satya Sinha at Chevron at (925) 842-9876.

Sincerely,

Conestoga-Rovers & Associates

Ian Hull

Robert Foss, PG #7445

Figures:

1 – Vicinity Map

2 – Site Plan

Tables:

1 – Analytic Results for Soil

2 – Analytic Results for Groundwater

Attachments:

A - Regulatory Correspondence

B-Permits

C – Boring Logs

D - Soil Analytic Data

E - Groundwater Analytic Data

cc:

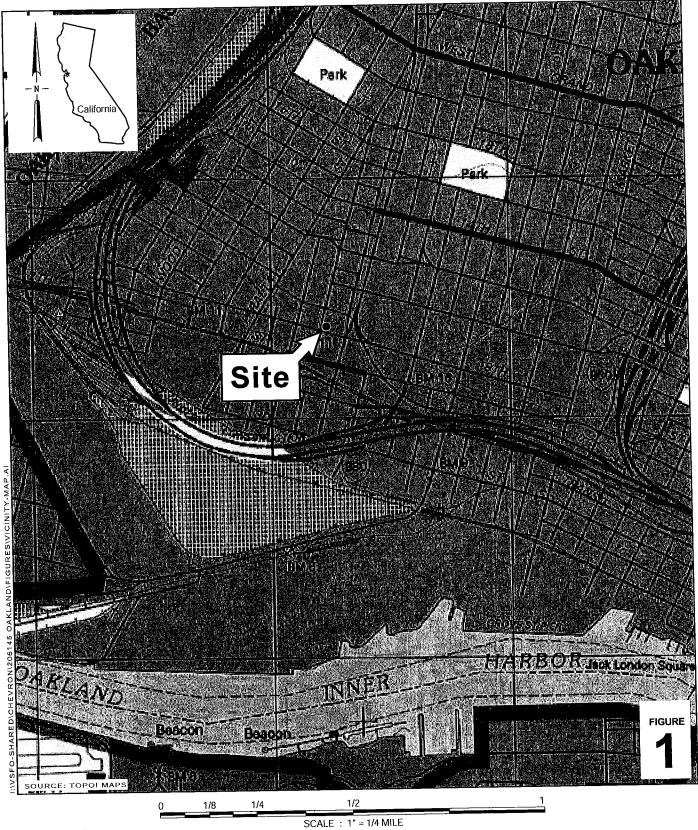
Mr. Satya Sinha, Chevron Environmental Management Company, P.O. Box 6012, San Ramon,

CA 94583

Mr. Rene Boisvert. 800 Center LLC, 484 Lake Park Avenue #246, Oakland, CA 94610

I:\Chevron\206145 Oakland\2007 Investigation\20-6145 Deep Well Installation Report.05.07.doc

Conestoga-Rovers & Associates (CRA) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

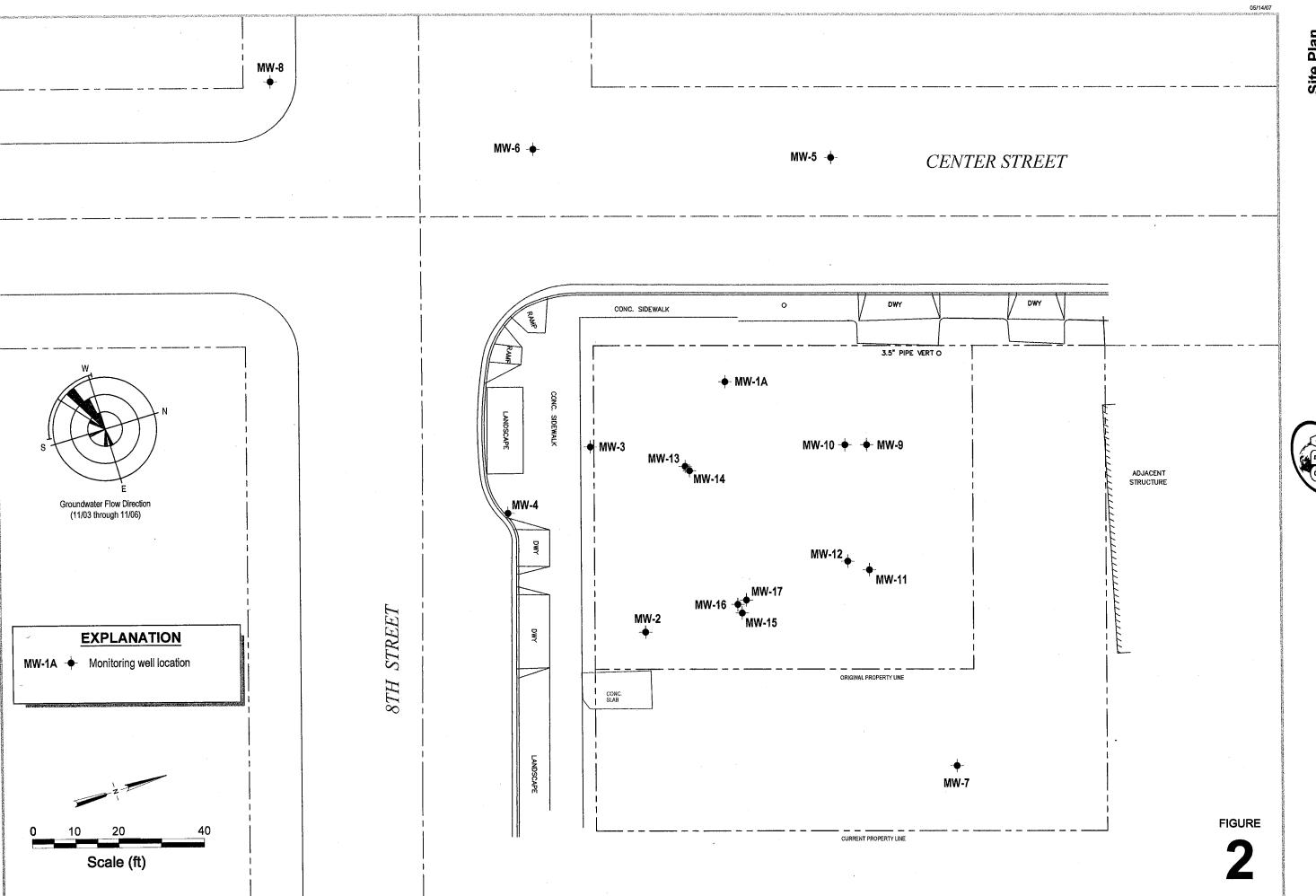


Chevron Station No. 206145

800 Center Street
Oakland, California



Vicinity Map



Site Plan

Former Chevron Station No. 20-6145 800 Center Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES Table 1. Analytic Results for Soil - Former Signal Oil Service Station 20-6145, 800 Center Street, Oakland, CA

	Street, Oakl Sample	Sample	TPHd	TPHg	В	Т	E	X
Sample ID	Sample Date	Depth (fbg)	1 r mu		s reported in mil	-		1
			-4.0					<0.001
MW-9	4/9/07	14.5	<4.0	1.6	< 0.0005	< 0.001	< 0.001	< 0.001
MW-9	4/9/07	19.5	<4.0	7.1	0.001	< 0.001	0.001	0.001
MW-9	4/9/07	24.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-9	4/9/07	29.5	<4.0	<1.0	< 0.0005	0.001	< 0.001	< 0.001
MW-9	4/9/07	34.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-9	4/9/07	39.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-10	4/10/07	41.5	<4.0	2.5	< 0.0005	< 0.001	< 0.001	< 0.001
MW-10	4/10/07	44.5	<4.0	<1.0	< 0.0005	0.001	< 0.001	< 0.001
MW-10	4/10/07	49.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-10	4/10/07	54.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-10	4/10/07	59.5	<4.0	<1.0	< 0.0005	0.003	< 0.001	0.005
MW-11	4/9/07	9.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-11	4/9/07	14.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	19.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-11	4/9/07	24.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	29.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	34.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-11	4/9/07	39.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	39.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	44.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	49.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	54.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-12	4/10/07	59.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-14	4/11/07	9.0	33	3,400	0.23	35	34	180
MW-14	4/11/07	14.5	13	880	0.062	0.12	0.12	0.12
MW-14	4/11/07	19.5	<4.0	7.3	< 0.0005	< 0.001	< 0.001	< 0.00
MW-14	4/11/07	24.5	<4.0	1.2	< 0.0005	< 0.001	< 0.001	< 0.00
MW-14	4/11/07	29.5	<4.0	<1.0	< 0.0005	0.002	< 0.001	0.001
MW-14	4/11/07	34.5	<4.0	<1.0	< 0.0005	0.002	< 0.001	0.001
MW-14	4/11/07	39.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-14	4/11/07	44.5	<4.0	2.1	0.0005	0.004	< 0.001	0.00
MW-14	4/11/07	49.5	<4.0	1.5	0.004	0.011	0.005	0.02
MW-14	4/11/07	54.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.00
MW-14	4/11/07	59.5	<4.0	<1.0	< 0.0005	0.001	< 0.001	< 0.00
MW-17	4/13/07	9.5	710	7,300	7.2	330	150	650
MW-17	4/13/07	14.5	<4.0	1.5	0.003	0.002	0.002	0.00
MW-17	4/13/07	19.5	<4.0	<1.0	< 0.0005	0.004	0.002	0.00
MW-17	4/13/07	24.5	<4.0	<1.0	< 0.0005	0.001	< 0.001	< 0.00
MW-17	4/13/07	29.5	<4.0	<1.0	< 0.0005	0.002	< 0.001	0.00
	4/13/07	34.5	<4.0	<1.0	< 0.0005	0.001	< 0.001	< 0.00
MW-17							.0 ^ ^ 4	
MW-17 MW-17 MW-17	4/13/07 4/13/07	39.5 44.5	<4.0 <4.0	<1.0 3.1	<0.0005 0.002	0.003 0.032	<0.001 0.014	0.003 0.03

CONESTOGA-ROVERS & ASSOCIATES Table 1. Analytic Results for Soil - Former Signal Oil Service Station 20-6145, 800 Center Street Oakland CA

800 Center S	Street, Oakl	and, CA						
Sample	Sample	Sample	TPHd	TPHg	В	T	E	X
ID	Date	Depth (fbg)	Concentrations reported in milligrams per kilogram (mg/kg)					
MW-17	4/13/07	49.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-17	4/13/07	54.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-17	4/13/07	59.5	<4.0	<1.0	0.0006	0.004	< 0.001	0.001
MW-17	4/13/07	64.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-17	4/13/07	69.5	<4.0	<1.0	< 0.0005	< 0.001	< 0.001	< 0.001
MW-17	4/13/07	74.5	<4.0	<1.0	< 0.0005	0.002	< 0.001	< 0.001

Abbreviations/Notes:

Total Petroleum Hydrocarbons as diesel (TPHd) by EPA Method 8015M w/ silca gel cleanup

Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8260B

fbg = feet below grade

 $<_X$ = Not detected above method detection limit

CONESTOGA-ROVERS & ASSOCIATES

Table 2. Analytic Results for Groundwater - Former Signal Oil Service Station 20-6145 800 Center Street, Oakland, CA

Sample	Sample	Interval	TPHd	TPHg	В	T	E	Х
ID	Date	(fbg)		Concentratio	ons reported in	micrograms per	liter (µg/l)	
MW-9	4/20/07	35-40	1,100	4,100	28	6.9	9.2	240
MW-10	4/20/07	55-60	260	1,200	29	31	11	140
MW-11	4/20/07	35-40	350	77	<2.0	4.6	< 0.5	3.2
MW-12	4/20/07	55-60	430	400	2.3	40	14	49
MW-13	4/20/07	35-40	140	650	16	23	7.5	61
MW-14	4/20/07	55-60	2,000	16,000	550	1,600	620	2,400
MW-15	4/20/07	35-40	720	240	1.0	1.3	< 0.5	20
MW-16	4/20/07	55-60	2,200	15,000	87	1,200	500	2,000
MW-17	4/20/07	70-75	1,300	7,400	66	880	300	1,300

Abbreviations/Notes:

Total Petroleum Hydrocarbons as diesel (TPHd) by EPA Method 8015M w/ silca gel cleanup

Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015M

Benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8260B

fbg = feet below grade

<x = Not detected above method detection limit



ATTACHMENT A

Regulatory Correspondence



ALAMEDA COUNTY

HEALTH CARE SERVICES





DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1181 Harbor Bay Parkway, Suite 250 March 21, 2007 ameda, CA 94502-6577 (5 0) 567-6700 FAX (510) 337-AX (510) 337-9335 Mr. Satya Sinha Chevron Environmental Management 6001 Bollinger Canyon Rd., Room K2256 San Ramon, CA 94583

Mr. Rene Boisvert **Boulevard Equity Group** 484 Lakepark Ave. #246 Oakland, CA 94610

Dear Messrs. Sinha and Boisvert:

Subject: Fuel Leak Case No. RO0000454, Chevron #20-6145 / SIGNAL SS, 800 Center St., Oakland CA 94607

Alameda County Environmental Health (ACEH) staff has recently reviewed the case file for the subject site including the March 5, 2007 Workplan for Additional Subsurface Investigation by Cambria. The work plan provides a sampling method to verify the previous groundwater sampling results, which indicated petroleum contamination to depths of 72' bgs. Four nested well locations are proposed in this investigation. Two nested wells in these locations are proposed screened from 35-40' bgs and 55-60' bgs plus one additional well in the southwest portion of the site screened from 70-75' bgs. We have the following technical comments we request you address when performing this work.

TECHNICAL COMMENTS

1. Nested wells have been shown to have difficulty in installing reliable seals between the well screens by U.S. EPA. Therefore, our agency does not concur with your proposal of these wells. We recommend the installation of well clusters or Continuous Mutichannel Tubing (CMT) in order to sample groundwater at different depths. Please confirm that an alternative monitoring method will be done as requested below.

2. In an effort to expedite this evaluation, we request that groundwater sampling from the newly installed wells be performed on two-month intervals. We feel that a decision can be made after three sampling events ie four months after installation. Please submit a new Feasibility Study/Corrective Action Plan as requested below. The FS/CAP should propose cleanup levels and goals for soil and groundwater and should evaluate three alternatives besides monitored natural attenuation (MNA) and no action.

TECHNICAL REPORT REQUEST

Please submit the following technical reports according to the following schedule:

- April 6, 2007- Description of alternative monitoring method.
- May 14, 2007- Well Construction and Multi-level Groundwater Monitoring Report

Messrs. Sinha and Boisvert March 21, 2007 Page 2

- August 1, 2007- 2nd Multi-level Groundwater Monitoring Report
- October 1, 2007-3rd Multi-level Groundwater Monitoring Report
- November 1, 2007- Feasibility Study/Corrective Action Plan

ELECTRONIC SUBMITTAL OF REPORTS

Effective **January 31, 2006**, 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. 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).

In order to facilitate electronic correspondence, we request that you provide up to date electronic mail addresses for all responsible and interested parties. Please provide current electronic mail addresses and notify us of future changes to electronic mail addresses by sending an electronic mail message to me at barney.chan@acgov.org.

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

Messrs. Sinha and Boisvert March 21, 2007 Page 3

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) 567-6765.

Sincerely,

Barney M. Chan

Hazardous Materials Specialist

Barrex MChe

cc: files, D. Drogos

Ms. Charlotte Evans, Cambria Environmental, 5900 Hollis St., Suite A, Emeryville, CA 94608

Mr. Hollis Rodgers, 215 W. MacArthur Blvd., Apt. #434, Oakland, CA 94611 Ms. Nancy Nadel, City of Oakland, City Hall, 1 Frank Ogawa Plaza, Oakland, CA 94612

3_21_07 800Center St



ATTACHMENT B

Permits



Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street Hayward, CA 94544-1395 Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 04/04/2007 By jamesy

Permit Numbers: W2007-0494 to W2007-0502 Permits Valid from 04/09/2007 to 04/13/2007

City of Project Site: Oakland

Application Id: Site Location:

1175547017113 800 Center Street

Oakland, CA

Site is a vacant lot.

Project Start Date:

04/09/2007

Applicant:

Cambria Environmental Technology - Ian Hull 5900 Hollis Street, Suite A, Emeryville, CA 94608

Property Owner:

Rene Boisvert

484 Lake Park Avenue, #246, Oakland, CA 94610 Environmental Management Company Chevron

Client:

P.O. Box 6012, San Ramon, CA 94583

Contact:

Ian Hull

Completion Date:04/13/2007

Phone: 510-420-3344

Phone: 510-444-8240

Phone: --

Phone: 510-420-3344 Cell: 510-376-2749

Total Due: Receipt Number: WR2007-0152 **Total Amount Paid:** Payer Name: Cambria EnvrionmentalPaid By: CHECK

\$2700.00 \$2700.00

PAID IN FULL

Technology, Inc.

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 9 Wells

Driller: Gregg Drilling & Testing, Inc. - Lic #: 485165 - Method: hstem

Work Total: \$2700.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2007-	04/04/2007	07/08/2007	MW-10	8.00 in.	2.00 in.	2.00 ft	65.00 ft
0494 W2007-	04/04/2007	07/08/2007	MW-11 .	8.00 in.	2.00 in.	2.00 ft	45.00 ft
0495 W2007-	04/04/2007	07/08/2007	MW-12	8.00 in.	2.00 in.	2.00 ft	65.00 ft
0496 W2007-	04/04/2007	07/08/2007	MW-13	8.00 in.	2.00 in.	2.00 ft	45.00 ft
. 0497 W2007-	04/04/2007	07/08/2007	MW-14	8.00 in.	2.00 in.	2.00 ft	65.00 ft
0498 W2007-	04/04/2007	07/08/2007	MW-15	8.00 in.	. 2.00 in.	2.00 ft	45.00 ft
0499 W2007-	04/04/2007	07/08/2007	MW-16	8.00 in.	2.00 in.	2.00 ft	65.00 ft
0500 W200 7 -	04/04/2007	07/08/2007	MW-17	8.00 in.	2.00 in.	2.00 ft	80.00 ft
0501 W2007- 0502	04/04/2007	07/08/2007	MW-9	8.00 in.	2.00 in.	2.00 ft	45.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

Alameda County Public Works Agency - Water Resources Well Permit

- 2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
- 3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
- 4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.
- 5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
- 6. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.
- 7. Minimum surface seal thickness is two inches of cement grout placed by tremie
- 8. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.
- 9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.



ATTACHMENT C

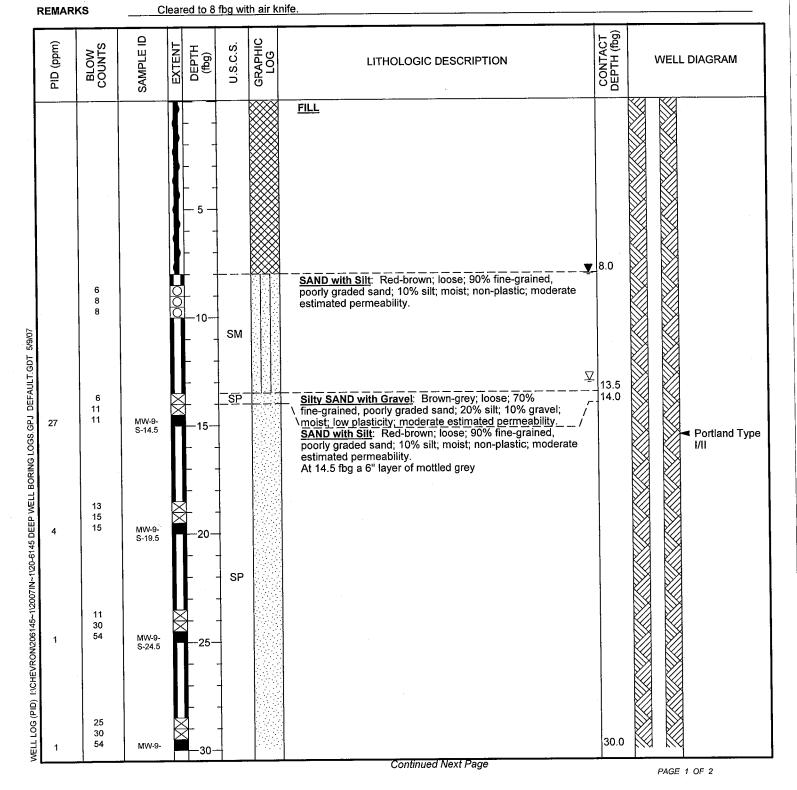
Boring Logs





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MW-9 Chevron Environmental Management Company **BORING/WELL NAME CLIENT NAME** 09-Apr-07 **DRILLING STARTED** 20-6145 JOB/SITE NAME 09-Apr-07 DRILLING COMPLETED 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA **PROJECT NUMBER** 312002 Not Surveyed **GROUND SURFACE ELEVATION** DRILLER Gregg Drilling Hollow-stem auger TOP OF CASING ELEVATION Not Surveyed **DRILLING METHOD** 35 to 40 fbg **SCREENED INTERVALS BORING DIAMETER** 13.0 fbg (09-Apr-07) **DEPTH TO WATER (First Encountered) LOGGED BY** I. Hull 8.03 fbg (20-Apr-07) B. Foss, RG# 7445 **DEPTH TO WATER (Static) REVIEWED BY**





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CLIENT NAME
JOB/SITE NAME
LOCATION

Chevron Environmental Management Company	BORING/WELL NAME	MW-9
20-6145	DRILLING STARTED	09-Apr-07
	DRILLING COMPLETED	09-Apr-07
800 Center Street, Oakland CA	DIVIDENTO COM LETTE	

Continued from Previous Page CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG BLOW COUNTS U.S.C.S. PID (ppm) EXTENT DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION S-29.5 Bentonite Seal 31 50 55 MW-9-S-34.5 1 SP 35 Monterey
Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC 15 21 53 40.0 At 39.5 fbg Increase in dark detritus MW-9-S-39.5 0 Bottom of 40-Boring @ 40 fbg WELL LOG (PID) INCHEVRONIZ06145~1/2007IN~1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07



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Emeryville, CA 94608						
Telephone: 510-420-0700						
Fax: 510-420-9170						

MW-10 **BORING/WELL NAME** Chevron Environmental Management Company **CLIENT NAME** 10-Apr-07 **DRILLING STARTED** 20-6145 JOB/SITE NAME 10-Apr-07 DRILLING COMPLETED 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 312002 Not Surveyed **GROUND SURFACE ELEVATION DRILLER** Gregg Drilling TOP OF CASING ELEVATION Not Surveyed Hollow-stem auger **DRILLING METHOD SCREENED INTERVALS** 55 to 60 fbg 8" **BORING DIAMETER** 13.0 fbg (09-Apr-07) **DEPTH TO WATER (First Encountered) LOGGED BY** I. Hull 9.64 fbg (20-Apr-07) **DEPTH TO WATER (Static) REVIEWED BY** B. Foss, RG# 7445 Cleared to 8 fbg with air knife. **REMARKS**

CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG BLOW PID (ppm) U.S.C.S. EXTENT DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION **FILL** SAND with Silt: Red-brown; loose; 90% fine-grained, poorly graded sand; 10% silt; moist; non-plastic; moderate estimated permeability. Ţ WELL LOG (PID) I:CHEVRON206145~1/2007IN~1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07 ∇ SP At 13.5 fbg addition of gravel to 10%, decrease in sand to 19.5 SAND: Brown; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; low estimated plasticity; moderate estimated permeability. SP Portland Type MI 30.0



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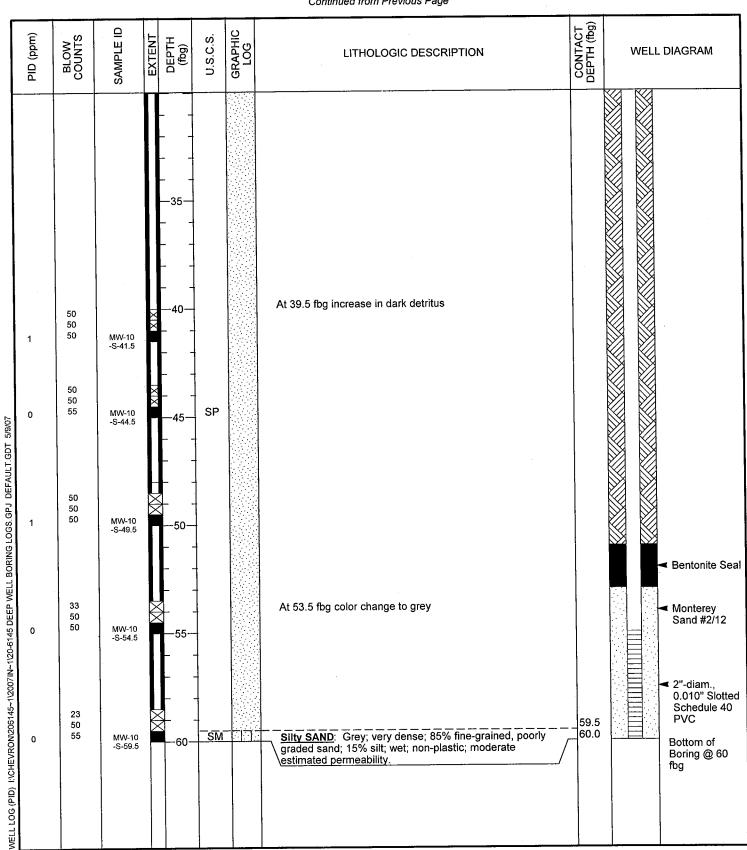
CLIENT NAME JOB/SITE NAME LOCATION
 Chevron Environmental Management Company
 BORING/WELL NAME
 MW-10

 20-6145
 DRILLING STARTED
 10-Apr-07

800 Center Street, Oakland CA DRILLING COMPLETED

MW-10 10-Apr-07 10-Apr-07

Continued from Previous Page





REMARKS

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Fax: 510-420-9170

Chevron Environmental Management Company

CLIENT NAME 20-6145 JOB/SITE NAME 800 Center Street, Oakland CA LOCATION **PROJECT NUMBER** 312002 DRILLER Gregg Drilling Hollow-stem auger DRILLING METHOD **BORING DIAMETER LOGGED BY** I. Hull B. Foss, RG# 7445 **REVIEWED BY**

Cleared to 8 fbg with air knife.

 BORING/WELL NAME
 MW-11

 DRILLING STARTED
 09-Apr-07

 DRILLING COMPLETED
 09-Apr-07

 WELL DEVELOPMENT DATE (YIELD)
 NA

 GROUND SURFACE ELEVATION
 Not Surveyed

 TOP OF CASING ELEVATION
 Not Surveyed

 SCREENED INTERVALS
 35 to 40 fbg

DEPTH TO WATER (First Encountered) 14.0 fbg (09-Apr-07) DEPTH TO WATER (Static) 8.80 fbg (20-Apr-07)

CONTACT DEPTH (fbg) GRAPHIC LOG BLOW U.S.C.S. PID (ppm) DEPTH (fbg) EXTENT SAMPLE WELL DIAGRAM LITHOLOGIC DESCRIPTION SAND: Red-brown; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability. Ţ 19 16 23 MW-11 26 5/9/07 WELL LOG (PID) I:\CHEVRON\206145~1\2007\IN~1\20-6145\DEEP\WELL\BORING\LOGS\GPJ\DEFAULT\GDT ∇ 6 12 16 At 14.5 fbg color change to grey MW-11 -S-14.5 SP Portland Type 1/11 9 8 15 MW-11 -S-19.5 21 50 50 MW-11 -S-24.5 31 50 30.0 50

Continued Next Page



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CLIENT NAME JOB/SITE NAME LOCATION

Chevron Environmental Management Company	BORING/WELL NAME	MW-11
20-6145	DRILLING STARTED	09-Apr-07
	DRILLING COMPLETED	09-Apr-07

Continued from Previous Page CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG BLOW PID (ppm) EXTENT U.S.C.S. DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION -S-29.5 Bentonite Seal ■ Monterey Sand #2/12 42 50 55 At 34.5 fbg color change to red-brown MW-11 -S-34.5 0 SP 2"-diam., 0.010" Slotted Schedule 40 PVC 31 40.0 56 MW-11 -S-39.5 At 39.5 fbg increase in dark detritus Bottom of Boring @ 40 0 fbg WELL LOG (PID) INCHEVRONIZ06145~1/2007IIN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07



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Fax: 510-420-9170 Chevron Environmental Management Company

BORING/WELL NAME MW-12 **CLIENT NAME** 10-Apr-07 **DRILLING STARTED** JOB/SITE NAME 10-Apr-07 DRILLING COMPLETED 800 Center Street, Oakland CA LOCATION NA WELL DEVELOPMENT DATE (YIELD) 312002 PROJECT NUMBER Not Surveyed **GROUND SURFACE ELEVATION** Gregg Drilling DRILLER Not Surveyed TOP OF CASING ELEVATION DRILLING METHOD Hollow-stem auger 55 to 60 fbg **SCREENED INTERVALS BORING DIAMETER** 8" 14.0 fbg (10-Apr-07) **DEPTH TO WATER (First Encountered)** I. Hull **LOGGED BY** 5.58 fbg (20-Apr-07) B. Foss, RG# 7445 **DEPTH TO WATER (Static) REVIEWED BY** Cleared to 8 fbg with air knife. REMARKS

PID (ppm) BLOW COUNTS	SAMPLE ID EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
WELL LOG (PID) INCHEVRON206145-1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/3/07		- 5	SP		SAND: Red-brown; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability. At 14.5 fbg color change to grey Continued Next Page	Z 30.	Portland Type I/II PAGE 1 OF 2

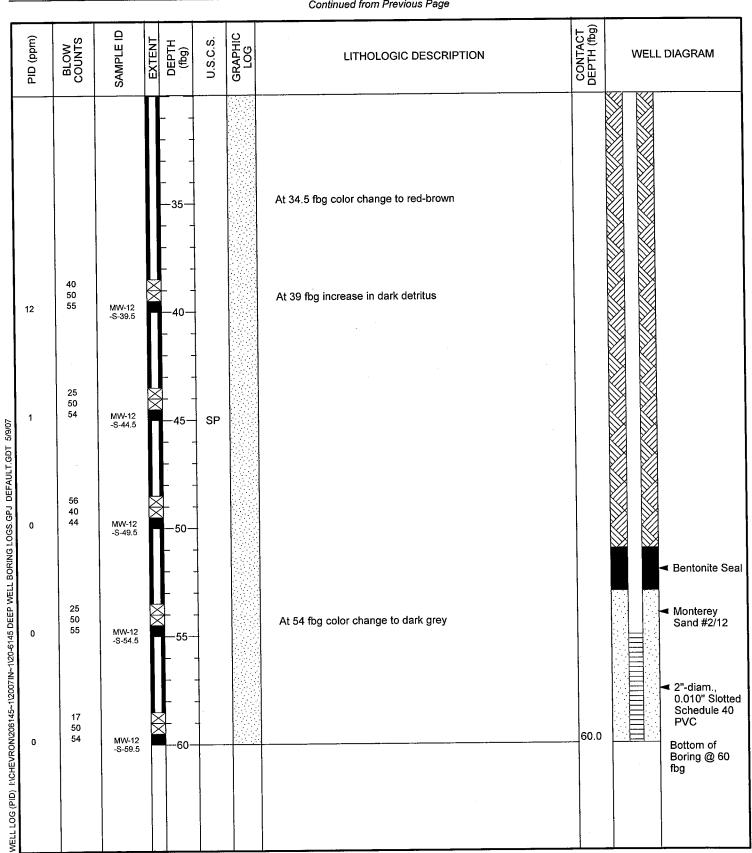


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CLIENT NAME JOB/SITE NAME LOCATION

Chevron Environmental Management Company	BORING/WELL NAME	MW-12
20-6145	DRILLING STARTED	10-Apr-07
800 Center Street, Oakland CA	DRILLING COMPLETED	10-Apr-07

Continued from Previous Page





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CLIENT NAME	Chevron Environmental Management Company 20-6145	BORING/WELL NAME MW-13 DRILLING STARTED 11-Apr-07	7	
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED 11-Apr-07	7	
PROJECT NUMBER	312002	WELL DEVELOPMENT DATE (YIELD)	NA	
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed	
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	Not Surveyed	
BORING DIAMETER	8"	SCREENED INTERVALS	35 to 40 fbg	
LOGGED BY	I. Hull	DEPTH TO WATER (First Encountered	ed) 15.0 fbg (11-Apr-07)	Σ
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Static)	8.97 fbg (20-Apr-07)	

Cleared to 8 fbg with air knife. **REMARKS** CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG BLOW U.S.C.S. PID (ppm) EXTENT DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION **FILL** 8.5 <u>SAND</u>: Red-brown; loose; 95% fine-grained, poorly sorted sand; 5% silt; moist; non-plastic; moderate estimated permeability. WELL LOG (PID) INCHEVRONIZ06145-1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07 Δ At 15 fbg color change to grey Portland Type I/II SP 30.0



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JOB/SITE NAME

Chevron Environmental Management Company	BORING/WELL NAME	MW-13
20-6145	DRILLING STARTED	11-Apr-07
800 Center Street, Oakland CA	DRILLING COMPLETED	11-Apr-07

LOCATION Continued from Previous Page CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) BLOW COUNTS U.S.C.S. EXTENT DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION Bentonite Seal Monterey Sand #2/12 SP 2"-diam.,0.010" SlottedSchedule 40 PVC 40.0 At 39.5 fbg increase in dark detritus Bottom of Boring @ 40 fbg WELL LOG (PID) INCHEVRONIZ06145~1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07

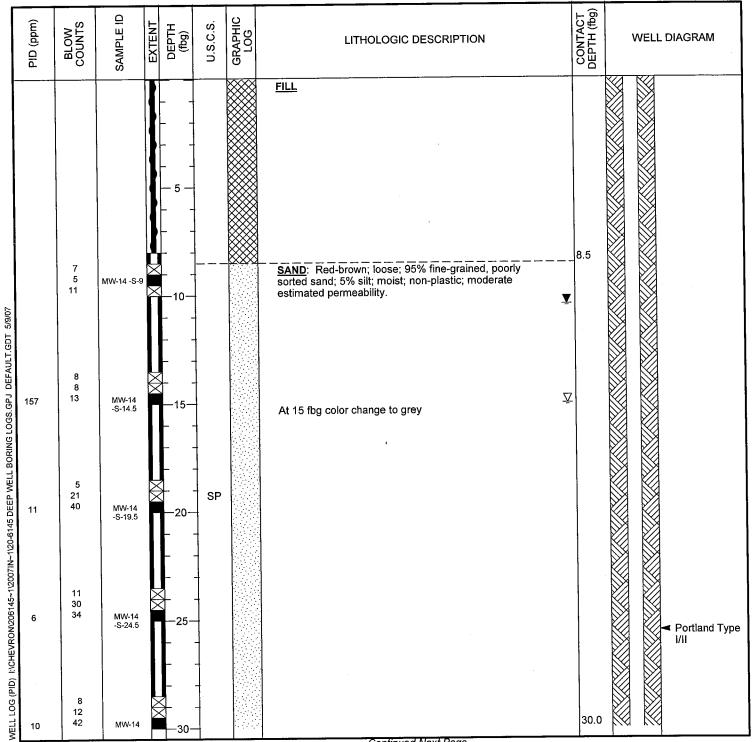


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Fax: 510-420-9170

MW-14 Chevron Environmental Management Company BORING/WELL NAME **CLIENT NAME** 11-Apr-07 **DRILLING STARTED** JOB/SITE NAME 11-Apr-07 DRILLING COMPLETED 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA 312002 **PROJECT NUMBER** Not Surveyed **GROUND SURFACE ELEVATION** Gregg Drilling DRILLER Not Surveyed TOP OF CASING ELEVATION **DRILLING METHOD** Hollow-stem auger 55 to 60 fbg **SCREENED INTERVALS BORING DIAMETER** 15.0 fbg (11-Apr-07) **DEPTH TO WATER (First Encountered)** I. Hull LOGGED BY 10.42 fbg (20-Apr-07) **DEPTH TO WATER (Static)** B. Foss, RG# 7445 **REVIEWED BY**

Cleared to 8 fbg with air knife. REMARKS



Continued Next Page



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JOB/SITE NAME

Chevron Environmental Management Company	BORING/WELL NAME	MW-14
20-6145	DRILLING STARTED	11-Apr-07
800 Center Street, Oakland CA	DRILLING COMPLETED	11-Apr-07

LOCATION Continued from Previous Page CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) BLOW COUNTS DEPTH (fbg) U.S.C.S. EXTENT WELL DIAGRAM LITHOLOGIC DESCRIPTION -S-29.5 5 6 15 MW-14 35 35 -S-34.5 16 35 50 At 39.5 fbg increase in dark detritus MW-14 -S-39.5 0 SP 50 MW-14 -S-44.5 WELL LOG (PID) I:\CHEVRON\206145-1\2007|N-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07 18 50 54 MW-14 -S-49.5 ■ Bentonite Seal 13 At 53.5 fbg color change to greenish-grey Monterey 54.5 23 Sand #2/12 Clayey SILT Dark-brown with red-brown mottling; hard; 55% silt; 45% clay; moist; high estimated plasticity; low 40 MW-14 -S-54.5 estimated permeability. At 55 fbg increase in silt and fine-grained sand, decrease in clay. ML 2"-diam., 0.010" Slotted Schedule 40 15 PVC 59.5 50 SAND: Greenish-grey; very dense; 100% fine-grained, poorly graded sand; wet; non-plastic; moderate estimated 60.0 SP 50 MW-14 -S-59.5 18 Bottom of 60 Boring @ 60 permeability. fbg



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MW-15 **BORING/WELL NAME** Chevron Environmental Management Company **CLIENT NAME** 12-Apr-07 **DRILLING STARTED** JOB/SITE NAME 12-Apr-07 DRILLING COMPLETED 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA 312002 PROJECT NUMBER Not Surveyed **GROUND SURFACE ELEVATION** Gregg Drilling DRILLER Not Surveyed TOP OF CASING ELEVATION **DRILLING METHOD** Hollow-stem auger 35 to 40 fbg **SCREENED INTERVALS BORING DIAMETER** 14.0 fbg (12-Apr-07) DEPTH TO WATER (First Encountered) I. Hull LOGGED BY 8.60 fbg (20-Apr-07) **DEPTH TO WATER (Static)** B. Foss, RG# 7445 **REVIEWED BY** Cleared to 8 fbg with air knife. REMARKS

CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) U.S.C.S. BLOW COUNTS DEPTH (fbg) EXTEN WELL DIAGRAM LITHOLOGIC DESCRIPTION SAND: Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability. Ā WELL LOG (PID) INCHEVRONIZ06145~1\2007IN~1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07 ∇ SP Portland Type MI At 20 fbg color change to dark red-brown 30.0

Continued Next Page



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CLIENT NAME JOB/SITE NAME LOCATION

Chevron Environmental Management Company	BORING/WELL NAME	MW-15
20-6145	DRILLING STARTED	12-Apr-07
	DRILLING COMPLETED	12-Apr-07

Continued from Previous Page CONTACT DEPTH (fbg) GRAPHIC LOG SAMPLE ID U.S.C.S. PID (ppm) BLOW DEPTH (fbg) EXTENT WELL DIAGRAM LITHOLOGIC DESCRIPTION ■ Bentonite Seal ■ Monterey Sand #2/12 SP 2"-diam., 0.010" Slotted Schedule 40 PVC 40.0 Bottom of Boring @ 40 fbg WELL LOG (PID) I:\CHEVRON\206145~1\2007|\N-1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07



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MW-16 Chevron Environmental Management Company **BORING/WELL NAME CLIENT NAME** 12-Apr-07 DRILLING STARTED JOB/SITE NAME 20-6145 12-Apr-07 DRILLING COMPLETED 800 Center Street, Oakland CA LOCATION WELL DEVELOPMENT DATE (YIELD) NA 312002 **PROJECT NUMBER** Not Surveyed **GROUND SURFACE ELEVATION** DRILLER Gregg Drilling Not Surveyed TOP OF CASING ELEVATION Hollow-stem auger **DRILLING METHOD** 55 to 60 fbg **SCREENED INTERVALS** 8" **BORING DIAMETER** 14.0 fbg (12-Apr-07) DEPTH TO WATER (First Encountered) LOGGED BY I. Hull 9.82 fbg (20-Apr-07) Ā **DEPTH TO WATER (Static)** B. Foss, RG# 7445 **REVIEWED BY**

REMARKS Cleared to 8 fbg with air knife.

	KNO				ing wi				
PID (ppm)	BLOW	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
WELL LOG (PID) INCHEVRON206145~1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07					SP		SAND: Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability. At 20 fbg color change to dark red-brown Continued Next Page		
							Continued Next Fage		PAGE 1 OF 2



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CLIENT NAME
JOB/SITE NAME

Chevron Environmental Management Company	BORING/WELL NAME	MW-16
20-6145	DRILLING STARTED	12-Apr-07
800 Center Street, Oakland CA	DRILLING COMPLETED	12-Apr-07

LOCATION Continued from Previous Page CONTACT DEPTH (fbg) SAMPLE ID GRAPHIC LOG PID (ppm) BLOW COUNTS DEPTH (fbg) U.S.C.S. EXTENT WELL DIAGRAM LITHOLOGIC DESCRIPTION At 40 fbg increasing dark detritus SP WELL LOG (PID) I:\CHEVRON\206145~1\2007IN~1\20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07 ■ Bentonite Seal 54.0 54.5 Monterey Silty CLAY: Dark brown; moist; hard; 60% clay; 40% silt; high plasticity; low estimated permeability.

SAND: Dark grey; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; non-plastic; moderate estimated permeability. CL 7//// Sand #2/12 -55 SP ■ 2"-diam., 0.010" Slotted Schedule 40 PVC 59.5 Silty CLAY: Dark grey; hard; 65% clay; 30% silt; 5% sand; moist; high plasticity; low estimated permeability. 60.0 ĆĹ Bottom of Boring @ 60 fbg



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CLIENT NAME	Chevron Environmental Management Company	BORING/WELL NAME	MW-17		
JOB/SITE NAME	20-6145	DRILLING STARTED	13-Apr-07		
LOCATION	800 Center Street, Oakland CA	DRILLING COMPLETED	13-Apr-07		
PROJECT NUMBER	312002	WELL DEVELOPMENT DA	TE (YIELD)	NA	
DRILLER	Gregg Drilling	GROUND SURFACE ELE	ATION _	Not Surveyed	
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVAT	ION _	Not Surveyed	
BORING DIAMETER	8"	SCREENED INTERVALS	_	70 to 75 fbg	
LOGGED BY	I. Hull	DEPTH TO WATER (First	Encountered)	14.0 fbg (13-Apr-07)	$\overline{\underline{\nabla}}$
REVIEWED BY	B. Foss, RG# 7445	DEPTH TO WATER (Statio	;)	19.50 fbg (20-Apr-07)	Ā
REMARKS	Cleared to 8 fbg with air knife.				

CONTACT DEPTH (fbg) GRAPHIC LOG SAMPLE ID EXTENT BLOW COUNTS U.S.C.S. PID (ppm) DEPTH (fbg) WELL DIAGRAM LITHOLOGIC DESCRIPTION SAND: Red-brown; medium dense to dense; 95% fine-grained, poorly graded sand; 5% silt; moist; non-plastic; moderate estimated permeability. 16 17 MW-17 -S-9.5 24 1334 WELL LOG (PID) I:CHEVRONI206145~1/2007IN~1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07 ∇ 7 9 12 MW-17 -S-14.5 10 SP Ā 13 18 MW-17 -S-19.5 18 At 20 fbg color change to dark red-brown 10 12 26 MW-17 -S-24.5 15 26 50 30.0 MW-17 Continued Next Page PAGE 1 OF 3

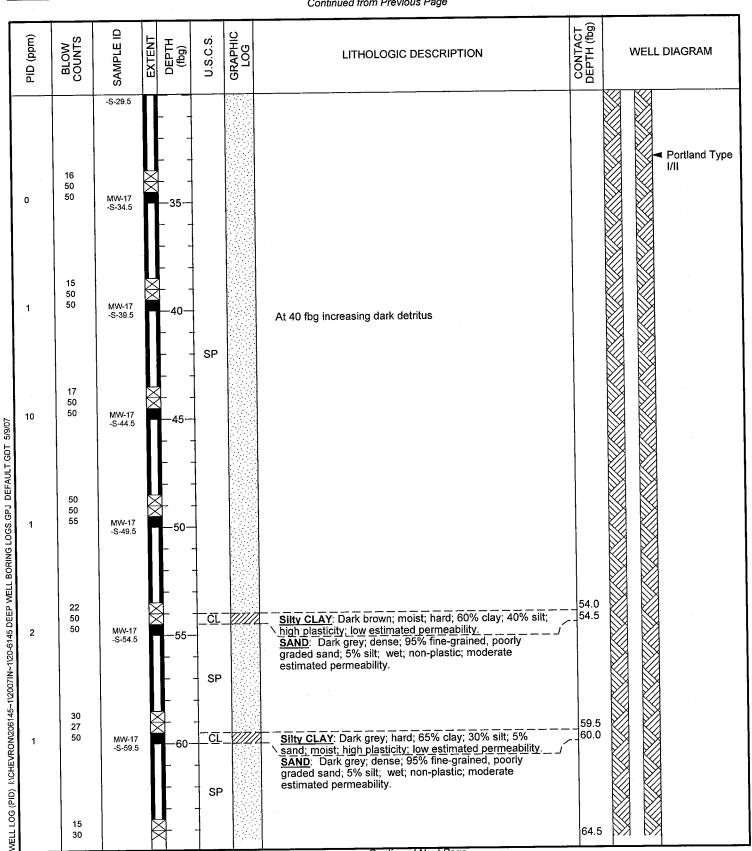


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CLIENT NAME JOB/SITE NAME LOCATION

Chevron Environmental Management Company BORING/WELL NAME MW-17 13-Apr-07 **DRILLING STARTED** 20-6145 13-Apr-07 DRILLING COMPLETED 800 Center Street, Oakland CA

Continued from Previous Page



Continued Next Page

BORING/WELL LOG



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CLIENT NAME
JOB/SITE NAME

 Chevron Environmental Management Company
 BORING/WELL NAME
 MW-17

 20-6145
 DRILLING STARTED
 13-Apr-07

 800 Center Street, Oakland CA
 DRILLING COMPLETED
 13-Apr-07

LOCATION Continued from Previous Page CONTACT DEPTH (fbg) GRAPHIC LOG SAMPLE ID BLOW COUNTS U.S.C.S. PID (ppm) DEPTH (fbg) EXTENT WELL DIAGRAM LITHOLOGIC DESCRIPTION At 64 fbg color change to brown

Silty CLAY: Dark grey; hard; 65% clay; 30% silt; 5% sand; moist; high plasticity; low estimated permeability.

SAND: Dark grey; dense; 95% fine-grained, poorly graded sand; 5% silt; wet; non-plastic; moderate estimated permeability. 65.0 MW-17 -S-64.5 <u>CL</u> 0 Bentonite Seal 13 Monterey 13 Sand #2/12 25 MW-17 -S-69.5 0 SP 2"-diam., 0.010" Slotted Schedule 40 16 PVC 16 75.0 50 MW-17 -S-74.5 0 Bottom of Boring @ 75 fbg WELL LOG (PID) PICHEVRONIZ06145-1/2007IN-1/20-6145 DEEP WELL BORING LOGS.GPJ DEFAULT.GDT 5/9/07



ATTACHMENT D

Soil Analytic Data





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

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 1033327. Samples arrived at the laboratory on Thursday, April 12, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description			Lancaster Labs Number
MW-9-S-14.5-070409	Grab	Soil	5026884
MW-9-S-19.5-070409	Grab	Soil	5026885
MW-9-S-24.5-070409	Grab	Soil	5026886
MW-9-S-29.5-070409	Grab	Soil	5026887
MW-9-S-34.5-070409	Grab	Soil	5026888
MW-9-S-39.5-070409	Grab	Soil	5026889
MW-11-S-9.5-070409	Grab	Soil	5026890
MW-11-S-14.5-070409	Grab	Soil	5026891
MW-11-S-19.5-070409	Grab	Soil	5026892
MW-11-S-24.5-070409	Grab	Soil	5026893
MW-11-S-29.5-070409	Grab	Soil	5026894
MW-11-S-34.5-070409	Grab	Soil	5026895
MW-11-S-39.5-070409	Grab	Soil	5026896
MW-12-S-39.5-070410	Grab	Soil	5026897
MW-12-S-44.5-070410	Grab	Soil	5026898
MW-12-S-49.5-070410	Grab	Soil	5026899
MW-12-S-54.5-070410	Grab	Soil	5026900
MW-12-S-59.5-070410	Grab	Soil	5026901
MW-10-S-41.5-070410	Grab	Soil	5026902
MW-10-S-44.5-070410	Grab	Soil	5026903
MW-10-S-49.5-070410	Grab	Soil	5026904
MW-10-S-54.5-070410	Grab	Soil	5026905
MW-10-S-59.5-070410	Grab	Soil	5026906



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ELECTRONIC

Cambria Envrionmental

Attn: Charlotte Evans

COPY TO

ELECTRONIC

Cambria Environmental

Attn: J. Williams

COPY TO **ELECTRONIC**

COPY TO

CRA

Attn: Dorothy O'Hare

ELECTRONIC COPY TO

CRA

Attn: I Hull

Melissa a Mc Sernott

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

Respectfully Submitted,

Melissa A. McDermott **Senior Chemist**



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Page 1 of 1

Lancaster Laboratories Sample No. 5026884

MW-9-S-14.5-070409

Grab

Soil

Facility# 206145

CETE

800 Center St-Oakland

T0600102230 MW-9 by JW

Collected:04/09/2007 10:45

Submitted: 04/12/2007 09:50

ChevronTexaco

Reported: 04/23/2007 at 17:53

6001 Bollinger Canyon Rd L4310

Discard: 05/24/2007

San Ramon CA 94583

Account Number: 10880

CE914

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	1.6	1.0	mg/kg	25
	The analysis for volatiles was min methanol. Therefore, the reported concentration of Tigasoline constituents eluting property time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	i
05466	Toluene	108-88-3	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.

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modifie	d 1	04/13/2007 00:45	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 15:50	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 06:53	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1.	04/17/2007 02:17	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 14:48	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026885

MW-9-S-19.5-070409

Grab

Soil

Facility# 206145

T0600102230 MW-9

CETE

800 Center St-Oakland Collected:04/09/2007 10:55

by JW

Account Number: 10880

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

ChevronTexaco

6001 Bollinger Canyon Rd L4310

Discard: 05/24/2007

San Ramon CA 94583

CE919

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO ~ Soils	n.a.	7.1	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of T gasoline constituents eluting protections and the start time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	0.001	0.0005	mg/kg	1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.001	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.001	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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 01:22	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 16:24	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1.	04/17/2007 22:59	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 21:01	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 14:51	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Lancaster Laboratories Sample No. 5026886

MW-9-S-24.5-070409

Grab

Soil

Facility# 206145 800 Center St-Oakland

T0600102230 MW-9

CETE

Collected:04/09/2007 11:00 by JW

Account Number: 10880

Submitted: 04/12/2007 09:50

ChevronTexaco

Reported: 04/23/2007 at 17:53

6001 Bollinger Canyon Rd L4310

Discard: 05/24/2007

San Ramon CA 94583

CE924

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was printed in methanol. Therefore, the reported concentration of Tigasoline constituents eluting prostart time.	oorting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT			_		Analysis		Dilution
No.	Analysis Name	Method		Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B	modified	1.	04/13/2007 01:5	8 Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B		1	04/16/2007 16:4	5 Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B		1	04/17/2007 07:3	8 Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A		1	04/17/2007 02:2	2 Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035		1	04/12/2007 14:5	4 Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B		1	04/14/2007 11:1	.5 Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5026887

MW-9-S-29.5-070409

Grab

Soil

Facility# 206145

T0600102230 MW-9

CETE

800 Center St-Oakland

Collected:04/09/2007 11:10

by JW

Account Number: 10880

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CE929

				As Received	*	
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was prin methanol. Therefore, the reported concentration of Tly gasoline constituents eluting prostart time.	oorting limits PH-GRO does not	were raised. : include MTBE or	other		
02222		n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	0.001	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1 1	04/13/2007 02:35	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 17:07	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 08:01	Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 02:24	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 14:56	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026888

MW-9-S-34.5-070409

Grab

Soil

Facility# 206145

T0600102230 MW-9

CETE

800 Center St-Oakland

Collected: 04/09/2007 11:20

Account Number: 10880

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CE934

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was printed in methanol. Therefore, the reported concentration of Tigasoline constituents eluting prostart time.	oorting limits PH-GRO does no	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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.

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1 1	04/13/2007 03:12	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 17:28	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 08:24	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 02:25	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 14:59	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

5026889 Lancaster Laboratories Sample No.

MW-9-S-39.5-070409

Grab

Soil

Facility# 206145

CETE

800 Center St-Oakland

T0600102230 MW-9

Collected:04/09/2007 11:30

by JW

Account Number: 10880

ChevronTexaco

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CE939

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p start time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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 our our or							
	_		Dilution					
Analysis Name	Method	Trial#	Date and Time	Analyst	Factor			
TPH-GRO - Soils	SW-846 8015B modified	1	04/12/2007 22:55	Linda C Pape	25			
TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 17:49	Tracy A Cole	1			
BTEX+MTBE by 8260B	SW-846 8260B	1.	04/17/2007 08:46	Holly Berry	1.01			
GC/MS - Bulk Sample Prep	SW-846 5030A	1.	04/17/2007 02:27	Holly Berry	n.a.			
GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:03	Eric L Vera	n.a.			
Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1			
	TPH-GRO - Soils TPH-DRO by 8015B w/Silica Gel BTEX+MTBE by 8260B GC/MS - Bulk Sample Prep GC - Bulk Soil Prep	TPH-GRO - Soils SW-846 8015B modified TPH-DRO by 8015B w/Silica SW-846 8015B Gel BTEX+MTBE by 8260B SW-846 8260B GC/MS - Bulk Sample Prep SW-846 5030A GC - Bulk Soil Prep SW-846 5035	TPH-GRO - Soils SW-846 8015B modified 1 TPH-DRO by 8015B w/Silica SW-846 8015B 1 Gel BTEX+MTBE by 8260B SW-846 8260B 1 GC/MS - Bulk Sample Prep SW-846 5030A 1 GC - Bulk Soil Prep SW-846 5035 1	TPH-GRO - Soils SW-846 8015B modified 1 04/12/2007 22:55 TPH-DRO by 8015B w/Silica SW-846 8015B 1 04/16/2007 17:49 Gel BTEX+MTBE by 8260B SW-846 8260B 1 04/17/2007 08:46 GC/MS - Bulk Sample Prep SW-846 5030A 1 04/17/2007 02:27 GC - Bulk Soil Prep SW-846 5035 1 04/12/2007 15:03	Analysis Name Method Trial# Date and Time Analyst TPH-GRO - Soils SW-846 8015B modified 1 04/12/2007 22:55 Linda C Pape TPH-DRO by 8015B w/Silica SW-846 8015B 1 04/16/2007 17:49 Tracy A Cole Gel BTEX+MTBE by 8260B SW-846 8260B 1 04/17/2007 08:46 Holly Berry GC/MS - Bulk Sample Prep SW-846 5030A 1 04/17/2007 02:27 Holly Berry GC - Bulk Soil Prep SW-846 5035 1 04/12/2007 15:03 Eric L Vera			



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Page 1 of 1

Lancaster Laboratories Sample No. 5026890

MW-11-S-9.5-070409

Grab

Soil

Facility# 206145

T0600102230 MW-11

CETE

800 Center St-Oakland

Collected:04/09/2007 14:05

by JW

Account Number: 10880

Submitted: 04/12/2007 09:50

ChevronTexaco

Reported: 04/23/2007 at 17:53

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Discard: 05/24/2007

C11-9

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of Tigasoline constituents eluting protections to the constituents of the c	oorting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/13/2007 03:48	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 18:11	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 09:09	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 02:41	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:13	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026891

MW-11-S-14.5-070409 Facility# 206145

Grab

Soil

T0600102230 MW-11

CETE

800 Center St-Oakland

by JW

Account Number: 10880

Collected:04/09/2007 14:13

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1114

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p start time.	porting limits PH-GRO does no	were raised. t include MTBE o	r other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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.

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 06:53	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 18:32	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 09:31	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 02:42	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:16	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1.	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026892

MW-11-S-19.5-070409 Facility# 206145

Grab

Soil

T0600102230 MW-11

CETE

800 Center St-Oakland Collected: 04/09/2007 14:18

by JW

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53 Discard: 05/24/2007

ChevronTexaco 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Account Number: 10880

C1119

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 analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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.						
02222		n.a.	N.D.	4.0	mg/kg	1	
07360	BTEX+MTBE by 8260B						
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01	
05466	Toluene	108-88-3	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.

CAT		4		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 07:29	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 18:54	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 09:54	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1.	04/17/2007 02:45	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:20	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5026893

MW-11-S-24.5-070409

Grab

Soil

Facility# 206145 800 Center St-Oakland

T0600102230 MW-11

Collected:04/09/2007 14:25

by JW

Account Number: 10880

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1124

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the repthe reported concentration of T gasoline constituents eluting property time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	. 1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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

CETE

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.

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1.	04/13/2007 08:06	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 19:15	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 10:16	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 02:48	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:24	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026894

MW-11-S-29.5-070409

Grab

Soil

Facility# 206145

T0600102230 MW-11

800 Center St-Oakland Collected:04/09/2007 14:35 CETE

Account Number: 10880

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1129

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was prin methanol. Therefore, the reported concentration of Tligasoline constituents eluting prostart time.	oorting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 08:43	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 19:37	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 22:14	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 20:43	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:27	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:15	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026895

MW-11-S-34.5-070409

Grab

Soil

Facility# 206145 800 Center St-Oakland

T0600102230 MW-11 by JW

Collected:04/09/2007 14:42

Account Number: 10880

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

ChevronTexaco 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 05/24/2007

C1134

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of The gasoline constituents eluting prostart time.	oorting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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

CETE

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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/13/2007 09:19	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 21:46	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 22:37	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 20:45	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:30	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026896

MW-11-S-39.5-070409

Grab

Soil

Facility# 206145

T0600102230 MW-11

CETE

800 Center St-Oakland Collected: 04/09/2007 14:50

by JW

Account Number: 10880

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1139

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p start time.	porting limits PH-GRO does no	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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.

CAT			-	Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modi	fied 1	04/13/2007 09:56	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 22:07	Tracy A Cole	1
.07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 23:25	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 22:59	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:33	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026897

MW-12-S-39.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-12

800 Center St-Oakland

by IH

Account Number: 10880

Collected:04/10/2007 09:00

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1239

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was prin methanol. Therefore, the reported concentration of Transcoline constituents eluting prostart time.	oorting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	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

CETE

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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modifie	d 1	04/13/2007 10:32	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/16/2007 22:29	Tracy A Cole	1
	Gel					
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/17/2007 23:47	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 23:01	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:42	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026898

MW-12-S-44.5-070410

Grab

Soil

Facility# 206145

CETE

800 Center St-Oakland

T0600102230 MW-12

Collected:04/10/2007 09:05

by IH

Account Number: 10880

Submitted: 04/12/2007 09:50

ChevronTexaco

Reported: 04/23/2007 at 17:53

6001 Bollinger Canyon Rd L4310

Discard: 05/24/2007

San Ramon CA 94583

C1244

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p start time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/13/2007 11:09	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 22:50	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 00:10	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 23:03	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:47	Eric L Vera	n.a.
07004.	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026899

MW-12-S-49.5-070410

Grab

Soil

Facility# 206145

CETE

800 Center St-Oakland

T0600102230 MW-12

Collected:04/10/2007 09:14

by IH

Account Number: 10880

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53 ChevronTexaco 6001 Bollinger Canyon Rd L4310

Discard: 05/24/2007

San Ramon CA 94583

C1249

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of Tigasoline constituents eluting property time.	oorting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 11:45	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 23:12	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 00:32	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1.	04/17/2007 23:06	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:51	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026900

MW-12-S-54.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-12

CETE

800 Center St-Oakland

Collected:04/10/2007 09:20

by IH

Account Number: 10880

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1254

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of The gasoline constituents eluting prostart time.	oorting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

Laboratory	Chronicle
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		Hanciaco,	O111 O.			
CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/13/2007 12:22	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 23:33	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 05:35	Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:00	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:55	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026901

MW-12-S-59.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-12

CETE

800 Center St-Oakland

Collected:04/10/2007 09:30

by IH

Account Number: 10880

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1259

			As Received		
		As Received	Method		Dilution
Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
in methanol. Therefore, the re The reported concentration of T	porting limits PH-GRO does no	were raised. t include MTBE or	other		
TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
BTEX+MTBE by 8260B					
Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
Toluene	108-88-3	N.D.	0.001	mg/kg	1.01
Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.01
Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.01
	TPH-GRO - Soils The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p start time. TPH-DRO by 8015B w/Silica Gel BTEX+MTBE by 8260B Benzene Toluene Ethylbenzene	TPH-GRO - Soils n.a. The analysis for volatiles was performed on a in methanol. Therefore, the reporting limits The reported concentration of TPH-GRO does no gasoline constituents eluting prior to the C6 start time. TPH-DRO by 8015B w/Silica Gel n.a. BTEX+MTBE by 8260B Benzene 71-43-2 Toluene 108-88-3 Ethylbenzene 100-41-4	TPH-GRO - Soils n.a. N.D. The analysis for volatiles was performed on a sample which was in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or gasoline constituents eluting prior to the C6 (n-hexane) TPH-GS start time. TPH-DRO by 8015B w/Silica Gel n.a. N.D. BTEX+MTBE by 8260B Benzene 71-43-2 N.D. Toluene 108-88-3 N.D. Ethylbenzene 100-41-4 N.D.	Analysis Name CAS Number Result Detection Limit TPH-GRO - Soils n.a. N.D. The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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. TPH-DRO by 8015B w/Silica Gel Benzene 71-43-2 N.D. 0.0005 Toluene 108-88-3 N.D. 0.001	Analysis Name CAS Number Result Detection Limit TPH-GRO - Soils n.a. N.D. 1.0 mg/kg The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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. TPH-DRO by 8015B w/Silica Gel n.a. N.D. 4.0 mg/kg BTEX+MTBE by 8260B Benzene 71-43-2 N.D. 0.0005 mg/kg Toluene 108-88-3 N.D. 0.001 mg/kg Ethylbenzene

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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modifie	d 1	04/13/2007 14:12	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/16/2007 23:55	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 00:55	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 23:49	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 15:58	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5026902

MW-10-S-41.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-10

800 Center St-Oakland

b-- TI

CETE

Collected:04/10/2007 12:00 by IH

Account Number: 10880

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1041

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	2.5	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of Tl gasoline constituents eluting property time.	porting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	. 1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	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.

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 14:48	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/17/2007 00:16	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 06:43	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:04	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 16:00	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026903

MW-10-S-44.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-10

800 Center St-Oakland

CETE

Collected:04/10/2007 12:25

by IH

Account Number: 10880

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1044

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was p in methanol. Therefore, the rep The reported concentration of Tr gasoline constituents eluting pr start time.	orting limits H-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	0.001	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.

Factor
Factor
25
1
1.01
n.a.
n.a.
1



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Page 1 of 1

Dilution

Lancaster Laboratories Sample No. 5026904

MW-10-S-49.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-10

CETE

800 Center St-Oakland

Collected:04/10/2007 12:35

Account Number: 10880

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1049

			•	As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was printed in methanol. Therefore, the reported concentration of Transcoline constituents eluting prostart time.	orting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B	,				
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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.

CAT				Analysis		Dilucion
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/13/2007 01:02	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/17/2007 00:59	Tracy A Cole	. 1
	Gel					
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 02:03	Sara E Wolf	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 23:55	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 16:05	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Dilution

Lancaster Laboratories Sample No. SW 5026905

MW-10-S-54.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-10

CETE

800 Center St-Oakland Collected: 04/10/2007 12:45

Account Number: 10880

Submitted: 04/12/2007 09:50 Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

C1054

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was prin methanol. Therefore, the reported concentration of Togasoline constituents eluting products the constituents of the constituents.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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.

(CAT				Analysis		Dilucion
]	No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
-	01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 01:34	Linda C Pape	25
	02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/17/2007 01:21	Tracy A Cole	1
		Gel					
	07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 02:25	Sara E Wolf	1.01
	00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/17/2007 23:57	Sara E Wolf	n.a.
	01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 16:15	Eric L Vera	n.a.
	07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5026906

MW-10-S-59.5-070410

Grab

Soil

Facility# 206145

T0600102230 MW-10

800 Center St-Oakland Collected:04/10/2007 13:00

by IH

CETE

Submitted: 04/12/2007 09:50

Reported: 04/23/2007 at 17:53

Discard: 05/24/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Account Number: 10880

C1059

	lution ctor
	ctor
01725 TPH-GRO - Soils n.a. N.D. 1.0 mg/kg 25	
The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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.	
02222 TPH-DRO by 8015B w/Silica Gel n.a. N.D. 4.0 mg/kg 1	
07360 BTEX+MTBE by 8260B	
05460 Benzene 71-43-2 N.D. 0.0005 mg/kg 1	
05466 Toluene 108-88-3 0.003 0.001 mg/kg 1	
05474 Ethylbenzene 100-41-4 N.D. 0.001 mg/kg 1	
06301 Xylene (Total) 1330-20-7 0.005 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.

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/13/2007 02:06	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/17/2007 01:42	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 06:20	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1.	04/18/2007 00:00	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/12/2007 16:18	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/14/2007 11:30	Kirsten M Kahler	1



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Page 1 of 5

Quality Control Summary

Client Name: ChevronTexaco Reported: 04/23/07 at 05:53 PM Group Number: 1033327

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 <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD <u>%REC</u>	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 07100A16C TPH-GRO - Soils	Sample N.D.	number(s):	5026904-50 mg/kg	93 93		67-119		
Batch number: 07102A31A TPH-GRO - Soils	Sample N.D.	number(s):	5026884-50 mg/kg	026903 91		67-119		
Batch number: 071030013A TPH-DRO by 8015B w/Silica Gel	Sample N.D.	number(s):	5026884-50 mg/kg	02689 4 88	85	71-109	4	20
Batch number: 071040001A TPH-DRO by 8015B w/Silica Gel	Sample N.D.	number(s):	5026895-50 mg/kg	026906 86	87	71-109	0	20
Batch number: A071071AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample N.D. N.D. N.D. N.D.		mg/kg mg/kg	026886-50 110 99 106 104	126893 106 96 102 102	84-115 81-116 82-115 82-117	4 2 4 2	30 30 30 30
Batch number: A071072AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample N.D. N.D. N.D. N.D.	0.0005 0.001 0.001		026894-50 103 92 98 97	26899,502	6901,5026903-5 84-115 81-116 82-115 82-117	026905	
Batch number: A071081AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample N.D. N.D. N.D. N.D.	number(s): 0.0005 0.001 0.001 0.001		026902,50 101 91 93 92	926906 102 92 95 94	84-115 81-116 82-115 82-117	2 2 2 2	30 30 30 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 <u>MAX</u>	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07100A16C TPH-GRO - Soils	Sample 84	number 81	(s): 5026904 39-118	-502690 4	06 UNSP 30	K: P023572			
Batch number: 07102A31A TPH-GRO - Soils	Sample 74	number 79	(s): 5026884 39-118	-50269 6	03 UNSP 30	K: 5026889			
Batch number: A071071AA Benzene	Sample 91	number	(s): 5026884 59-120	,50268	86-5026	893 UNSPK:	5026884		

*- Outside of specification

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



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Page 2 of 5

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1033327

Reported: 04/23/07 at 05:53 PM

Sample Matrix Quality Control

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

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Toluene	82		38-131						
Ethylbenzene	87		54-116						
Xylene (Total)	88		44-127						
Batch number: A071072AA	Sample	e number	(s): 502688	5,50268	94-502	6899,5026903	L,5026903-5	026905 UNS	ΥK:
	P0294	18							
Benzene	91	78	59-120	1.5	30				
Toluene	82	70	38-131	16	30				
Ethylbenzene	87	73	54-116	18	30				
Xylene (Total)	88	74	44-127	18	30				
Batch number: A071081AA	Sampl	e number	(s): 502690	0,50269	02,502	6906 UNSPK:	5026900		
Benzene	98		59-120						
Toluene	89		38-131						
Ethylbenzene	95		54-116						
Xylene (Total)	96		44-127						

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: 07100A16C Trifluorotoluene-F

5026904	82
5026905	91
5026906	86
Blank	91
LCS	93
MS	79
MSD	75

Limits: 61-122

Analysis Name: TPH-GRO - Soils Batch number: 07102A31A Trifluorotoluene-F

5026884	93
5026885	95
5026886	88
5026887	97
5026888	88
5026889	89
5026890	100
5026891	94
5026892	97
5026893	83

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



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Page 3 of 5

Quality Control Summary

Client Na	me: ChevronTexaco		Group Nu	mber: 1033327
Reported:	04/23/07 at 05:53 PM			
		Surrogate	Quality	Control
5026894	85			
5026895	77			
5026896	85			
5026897	91			
5026898 5026899	95 93			
5026900	96			
5026901	91			
5026902	88			
5026903	85			
Blank	97			
LCS	106			
MS MSD	87 91			
Mad	,			
Limits:	61-122			
Analysis Na	me: TPH-DRO by 8015B w/Silica	Gel		
Batch numbe	r: 071030013A			
	Orthoterphenyl			
5026884	90			-
5026885	85			
5026886	84			
5026887	93			
5026888	87 91			
5026889 5026890	93			
5026891	92			
5026892	86			
5026893	103			
5026894	88			
Blank	95 104			
LCS LCSD	97			
Limits:	59-129			
Analysis Na	ame: TPH-DRO by 8015B w/Silica	Gel		
Batch numbe	er: 071040001A			
	Orthoterphenyl			
5026895	90			
5026896	90			
5026897	88			
5026898	93			
5026899	67 87			
5026900 5026901	91			
5026902	95			
5026903	89			
5026904	92			
5026905	99			
5026906 Blank	83 96			
LCS	100			•
LCSD	97			

*- Outside of specification

(2) The background result was more than four times the spike added.

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.



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Page 4 of 5

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1033327

Reported: 04/23/07 at 05:53 PM

Surrogate Quality Control

Limits:

59-129

Allarys	TP	maine.	DIEXTRIDE	ωy	02
Datah	22110	har.	λ071071 λ Δ		

Analysis N	Name: BTEX+MTBE by 8260B			
Batch numb	per: A071071AA Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5026884	99	90	92	84
5026886	98	92	91	84
5026887	99	92	92	84
5026888	99	90	91	83
5026889	99	91	91	84
5026890	100	93	86	94
5026891	96	90	91	90
	100	91	91	83
5026892		93	91	83
5026893	100	95	91	84
Blank	99		96	92
LCS	96	93	96	92
LCSD	96	95		92
MS	96	92	94	92
Limits:	71-114	70-109	70-123	70-111
Analysis N Batch numb	Name: BTEX+MTBE by 8260B ber: A071072AA		m. 1	4-Bromofluorobenzene
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	
5026885	95	90	90	89
5026894	98	91	90	83
5026895	98	90	91	84
5026896	101	97	90	84
5026897	99	92	90	84
	99	90	91	83
5026898		92	90	84
5026899	100	93	91	83
5026901	100		89	84
5026903	100	92	90	84
5026904	100	93		83
5026905	101	96	90	83
Blank	97	93	90	
LCS	96	91	94	91
MS	95	92	95	91
MSD	97	95	95	92
Limits:	71-114	70-109	70-123	70-111
Analvsis	Name: BTEX+MTBE by 8260B			
	ber: A071081AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5026900	98	94	90	84
5026902	99	91	91	84
5026906	98	92	90	. 86
Blank	99	95	90	85
LCS	97	93	95	91
		93	95	91
LCSD MS	96 97	94	95	92
rio Cir	<i>,</i>			
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification

(2) The background result was more than four times the spike added.

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.



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Page 5 of 5

Quality Control Summary

Client Name: ChevronTexaco Reported: 04/23/07 at 05:53 PM Group Number: 1033327

Surrogate Quality Control

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Chevron California Re 'on Analysis Request/Chain of Cu tody

Lancaster l Where quality is a s	abor	atories		БL	£00]	L - 15		Ac	cct.#	10	88[)	_ Sa	F ample	or L	ancast	er Lal	orate 8 Y	ories - C	use or	nly SCR	#:			_	
Where quality is a s	science.			U	(100)	plof	2							A	nal	ses R	eque	sted			Poro)P#	10333	327	<i>r</i>	
5.0 CH			1	. 1	ALL			Π						F	res	ervatio	on Co	odes			Pr		tive Cod			
Facility #: 20 - 612																		-			H = HC	•	T = Thic B = NaC		3	
Site Address: 800	CEU	TER S	√, 1	6 A	<u> </u>		 .		1		l		anne		·						N = HN S = H ₂ S	-	0 = 0th			
Chevron PM: 飞 · 图				onsult	ant:C	PA		l	\	ers			TPH 8015 MOD DRO SSIlica Gel Cleanup										ting needs	d	_	
Consultant/Office: E/			,							of Containers	⊠ 8021 □		illica G				Ì						west detec		its	
Consultant Prj. Mgr.: C. DVANS										ပိ	×		Ø								'	-	nfirmation			
Consultant Phone # _ <u>510 Ч20 - 3351</u> Fax #: <u>510 - Ц20 -</u>											8260	GRO GRO	ORO		<u>8</u>	7421							est hit by 8	3260	- [
Sampler: J. WILLIAMS									ig	<u>ਵ</u>	#	₽	퉣	58	Oxygenates			1			☐ Confi	rm all hi	ts by 8260) [*]		
Service Order #:Non SAR:						۱,	Composite	Total Number	Ţ	TPH 8015 MOD	3035	8260 full scan	ð	7420 🗆	1						y's on high					
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MW-11-9-19.5			24,5	}	 	14:25		K	1	1	×	×	ゟ									•	• •		1	
MW-11-5-24.5 MW-11-5-29,5		 	29.5	1	 	14:35		虏	₫	††	×	×	X													
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WIP (RWQCB)						Temperatur	e Upon Re	eceip	t .8	-2	-6°	C° ′	Rα	~ Q	صو		Cu	stody	Seal	inlac	t? (Yes	No	+	1_		
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Site Address: 600	-	T#0	<u> </u>								-		-+	-		+- -	+		N = HNO ₃ B = NaOH
				/	PA						ŀ	eanu					}		$S = H_2SO_4$ O = Other
Chevron PM: SATTA				Consultant:	- 				9 Pers			Ka Silica Gel Cleanup		- }					☐ J value reporting needed
Consultant/Office: FMERTVILLE								}	ıtain	021 [Eg						ĺ	☐ Must meet lowest detection limits possible for 8260 compounds
Consultant Prj. Mgr.:	<u>C, </u>	EVANS		· · · · · · · · · · · · · · · · · · ·			1		of Containers	Ø 8021 □		<u>s</u>							
Consultant Phone #: (910	420-3	351	Fax#: 510-	420					8260	GRO	8			7421				8021 MTBE Confirmation Confirm highest hit by 8260
Sampler: I. HULL								<u>a</u>	l ge		Ş	Q	Ę	evale					Confirm all hits by 8260
Service Order #:			□No	n SAR:			j	Composite	Total Number		TPH 8015 MOD	IPH 8015 MOD DRO	8260 full scan	Oxygenates	.ead 7420 🗌				Run oxy's on highest hit
Field		Repeat	Top		Time	New	Grab Grab	Į,	otal	втех	E 8	E H	82		Pg				Run oxy's on all hits
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iek Temperature Upon i																			

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

Disk

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
С	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meg	milliéquivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	Ì	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 <u>limit of quantitation</u>, 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.

Inorganic Qualifiers

U.S. EPA data qualifiers:

X.Y.Z

Organic Qualifiers

Defined in case narrative

A B C D E J N	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument Estimated value Presumptive evidence of a compound (TICs only)	BEMNS UW	Value is <crdl, (msa)="" additions="" amount="" but="" calculation="" compound="" control="" detected="" digestion="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" limits<="" met="" method="" not="" of="" out="" post="" precision="" spike="" standard="" th="" to="" used="" was="" within="" ≥idl=""></crdl,>
P	Concentration difference between primary and	*	Duplicate analysis not within control limits
•	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		

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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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 1033739. Samples arrived at the laboratory on Saturday, April 14, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

		Lancaster Labs Number
Grab	Soil	5029113
Grab	Soil	5029114
Grab	Soil	5029115
Grab	Soil	5029116
Grab	Soil	5029117
Grab	Soil	5029118
Grab	Soil	5029119
Grab	Soil	5029120
Grab	Soil	5029121
Grab	Soil	5029122
Grab	Soil	5029123
Grab	Soil	5029124
Grab	Soil	5029125
Grab	Soil	5029126
	Grab Grab Grab Grab Grab Grab Grab Grab	Grab Soil

ELECTRONIC	CRA	Attn: I Hull
COPY TO ELECTRONIC	CRA	Attn: Dorothy O'Hare
COPY TO ELECTRONIC	CRA	Attn: Charlotte Evans
COPY TO ELECTRONIC	CRA	Attn: J. Williams



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COPY TO

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

Respectfully Submitted,

Melissa A. McDermott

Melissa a Mc Sermott

Senior Chemist



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Page 1 of 1

5029113 Lancaster Laboratories Sample No.

MW-17-S-9.5-070413

Grab

Soil

Facility# 206145

CETE

800 Center Street-Oakland T0600102230 MW-17

Collected:04/13/2007 08:35

Account Number: 10880

Submitted: 04/14/2007 10:00

by IH

ChevronTexaco

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO09

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	7,300.	800.	mg/kg	20000
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of Tigasoline constituents eluting pastart time.	porting limits PH-GRO does not	were raised. : include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	710.	80.	mg/kg	20
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	7.2	0.25	mg/kg	498.75
05466	Toluene	108-88-3	330.	2.5	mg/kg	2493.77
05474	Ethylbenzene	100-41-4	150.	0.50	mg/kg	498.75
06301	Xylene (Total)	1330-20-7	650.	2.5	mg/kg	2493.77

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.

CAT		2.0		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/16/2007 18:26	Linda C Pape	20000
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/20/2007 08:56	Tracy A Cole	20
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 20:19	Kerri E Koch	2493.7 7
07360	BTEX+MTBE by 8260B	SW~846 8260B	1	04/19/2007 15:43	Kerri E Koch	498.75
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 00:18	Kerri E Koch	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:20	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029114

MW-17-S-14.5-070413

Grab

Facility# 206145

CETE

800 Center Street-Oakland T0600102230

MW-17

Collected: 04/13/2007 08:40

by IH

Soil

Account Number: 10880

a 1 111 - 1 04/14/

_

ChevronTexaco

Submitted: 04/14/2007 10:00 Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO14

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	1.5	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the rep The reported concentration of T gasoline constituents eluting p start time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	0.003	0.0005	mg/kg	1
05466	Toluene	108-88-3	0.002	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.002	0.001.	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.005	0.001	mg/kg	1 '

State of California Lab Certification No. 2116

Laboratory	Chronicla
Haboratory	CHIOTITCIE

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Crial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/16/2007 23:19	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 19:02	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1.	04/18/2007 09:44	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:27	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:24	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

5029115 Lancaster Laboratories Sample No.

MW-17-S-19.5-070413

Grab

Soil

Facility# 206145

CETE

800 Center Street-Oakland T0600102230 MW-17

Collected: 04/13/2007 08:50

Account Number: 10880

by IH

ChevronTexaco

Submitted: 04/14/2007 10:00

6001 Bollinger Canyon Rd L4310

Reported: 04/26/2007 at 12:54

San Ramon CA 94583

Discard: 05/27/2007

CSO19

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was prin methanol. Therefore, the reported concentration of Tlyasoline constituents eluting property time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	0.004	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.002	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.011	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Ch	າຕດກາ	icie.	

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/16/2007 19:39	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 19:24	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 10:06	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:29	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:27	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029116

MW-17-S-24.5-070413

Grab

Soil

Facility# 206145

CETE

800 Center Street-Oakland T0600102230 MW-17

Collected: 04/13/2007 08:55 by IH Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/26/2007 at 12:54

Discard: 05/27/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CSO24

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range					
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	0.001	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

	~ 1 7	
Laboratory	Chronicla	
Habblacut v	CILLOILE	

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/16/2007 20:16	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 19:45	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 10:29	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:31	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:31	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029117

MW-17-S-29.5-070413

CETE

Facility# 206145

800 Center Street-Oakland T0600102230 MW-17

Collected: 04/13/2007 09:05

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

ChevronTexaco

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO29

				As Received		Dilution
CAT			As Received	Method		
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of Tigasoline constituents eluting property time.	porting limits PH-GRO does no	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	0.002	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	0.001	0.001	mg/kg	1.01

State of California Lab Certification No. 2116

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/16/2007 20:52	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 20:06	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 10:51	Holly Berry	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:33	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:37	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

5029118 Lancaster Laboratories Sample No.

MW-17-S-34.5-070413

Soil

Facility# 206145

CETE

MW-17

800 Center Street-Oakland T0600102230 Collected: 04/13/2007 09:10

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

ChevronTexaco

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO34

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of T gasoline constituents eluting pastart time.	porting limits PH-GRO does not	were raised. t include MTBE or	other		
02222		n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	0.001	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/16/2007 21:29	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	. 1	04/19/2007 20:28	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 11:14	Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:35	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:40	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

5029119 Lancaster Laboratories Sample No.

MW-17-S-39.5-070413

Soil

Facility# 206145

MW-17

800 Center Street-Oakland T0600102230

CETE

Collected: 04/13/2007 09:20

Account Number: 10880

Submitted: 04/14/2007 10:00

by IH

ChevronTexaco

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO39

				As Received			
CAT			As Received	Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25	
The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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.							
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1	
07360	BTEX+MTBE by 8260B						
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1	
05466	Toluene	108-88-3	0.003	0.001	mg/kg	1	
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1	
06301	Xylene (Total)	1330-20-7	0.003	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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/16/2007 22:05	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 20:49	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 11:36	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:36	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:43	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5029120

MW-17-S-44.5-070413

CETE

Facility# 206145

MW-17

800 Center Street-Oakland T0600102230 Collected: 04/13/2007 09:30

Account Number: 10880

by IH

ChevronTexaco

Submitted: 04/14/2007 10:00

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor		
01725	TPH-GRO - Soils	n.a.	3.1	1.0	mg/kg	25		
V2.22	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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.							
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1		
07360	BTEX+MTBE by 8260B							
05460	Benzene	71-43-2	0.002	0.0005	mg/kg	1		
05466	Toluene	108-88-3	0.032	0.001	mg/kg	1		
05474	Ethylbenzene	100-41-4	0.014	0.001	mg/kg	1		
06301	Xylene (Total)	1330-20-7	0.032	0.001	mg/kg	1		

State of California Lab Certification No. 2116

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Laboratory	Chronicle

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/16/2007 22:42	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 21:10	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 11:59	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:38	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1.	04/16/2007 10:45	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5029121

MW-17-S-49.5-070413

Facility# 206145

CETE

MW-17

800 Center Street-Oakland T0600102230 Collected: 04/13/2007 09:40

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

ChevronTexaco

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO49

				As Received				
CAT			As Received	Method		Dilution		
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25		
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. 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.							
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1		
07360	BTEX+MTBE by 8260B							
05460	Benzene	71-43-2	0.001	0.0005	mg/kg	0.99		
05466	Toluene	108-88-3	0.019	0.001	mg/kg	0.99		
05474	Ethylbenzene	100-41-4	0.007	0.001	mg/kg	0.99		
06301	Xylene (Total)	1330-20-7	0.018	0.001	mg/kg	0.99		

State of California Lab Certification No. 2116

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

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 02:02	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 21:32	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1.	04/18/2007 12:21	Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:40	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:49	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029122

MW-17-S-54.5-070413

Grab

Soil

Facility# 206145

CETE

800 Center Street-Oakland T0600102230 MW-17

Collected: 04/13/2007 09:52

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

ChevronTexaco

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO54

				As Received				
CAT			As Received	Method		Dilution		
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor		
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25		
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range							
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1		
07360	BTEX+MTBE by 8260B							
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1		
05466	Toluene	108-88-3	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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 02:34	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 21:53	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 12:44	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:41	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:52	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5029123

MW-17-S-59.5-070413

Facility# 206145

CETE

800 Center Street-Oakland T0600102230 MW-17

Collected: 04/13/2007 10:05

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

ChevronTexaco

Reported: 04/26/2007 at 12:54

6001 Bollinger Canyon Rd L4310

Discard: 05/27/2007

San Ramon CA 94583

CSO59

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p	porting limits PH-GRO does no	were raised. t include MTBE or	other		
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	0.0006	0.0005	mg/kg	1
05466	Toluene	108-88-3	0.004	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.001	0.001	mg/kg	1

State of California Lab Certification No. 2116

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CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 03:05	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 22:14	Tracy A Cole	1,
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 22:11	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 12:40	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:56	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5029124

MW-17-S-64.5-070413

Facility# 206145

CETE

800 Center Street-Oakland T0600102230 MW-17

Collected: 04/13/2007 10:15

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/26/2007 at 12:54

Discard: 05/27/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CSO64

				As Received			
CAT			As Received	Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25	
	The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised. The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range						
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1	
07360	BTEX+MTBE by 8260B						
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99	
05466	Toluene	108-88-3	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

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/17/2007 03:37	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/19/2007 22:36	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1.	04/18/2007 22:33	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 12:42	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:59	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029125

MW-17-S-69.5-070413

Facility# 206145

CETE

800 Center Street-Oakland T0600102230 MW-17

Collected: 04/13/2007 10:25

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/26/2007 at 12:54

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 05/27/2007

CSO69

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p	porting limits PH-GRO does no	were raised. t include MTBE o	r other		
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	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

Laboratory	Chronicle	
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CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 04:08	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 22:57	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 00:12	Sara E Wolf	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/19/2007 01:26	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 11:06	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5029126

MW-17-S-74.5-070413

CETE

Facility# 206145

800 Center Street-Oakland T0600102230 MW-17

Collected:04/13/2007 10:37

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/26/2007 at 12:54 Discard: 05/27/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CSO74

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the reported concentration of The gasoline constituents eluting postart time.	porting limits PH-GRO does not rior to the C6	were raised. : include MTBE or (n-hexane) TPH-G	other RO range	ma /lea	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	T
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	0.002	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

Laboratory	Chronicle	
Laboratory	CITTOTITOTE	

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 04:40	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/19/2007 23:19	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 00:34	Sara E Wolf	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/19/2007 01:30	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 11:10	Stephanie A Sanchez	n.a.
07024	DRO Alternate Soil Extraction	CA LUFT TPH	1	04/18/2007 08:30	Ineabelle Poveda	1



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Page 1 of 5

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1033739

Reported: 04/26/07 at 12:54 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 <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 071060026A TPH-DRO by 8015B w/Silica Gel	Sample n	umber(s):	5029113-50 mg/kg	29126 86	92	71-109	7	20
Batch number: 07106A31A TPH-GRO - Soils	Sample r	number(s):	5029113-50 mg/kg	29120 92		67-119		
Batch number: 07107A16A TPH-GRO - Soils	Sample r	number(s):	5029121-50 mg/kg	94 94		67-119		
Batch number: A071081AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample r N.D. N.D. N.D. N.D.	number(s): 0.0005 0.001 0.001 0.001	5029114-50 mg/kg mg/kg mg/kg mg/kg	9122 101 91 93 92	102 92 95 94	84-115 81-116 82-115 82-117	2 2 2 2	30 30 30 30
Batch number: A071082AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample 1 N.D. N.D. N.D. N.D.	number(s): 0.0005 0.001 0.001 0.001	5029123-50 mg/kg mg/kg mg/kg mg/kg	029124 103 92 98 98		84-115 81-116 82-115 82-117		
Batch number: A071092AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample n N.D. N.D. N.D. N.D.	number(s): 0.0005 0.001 0.001 0.001	5029125-50 mg/kg mg/kg mg/kg mg/kg	029126 98 87 93 93		84-115 81-116 82-115 82-117		
Batch number: Q071073AB Toluene Xylene (Total)	Sample: N.D. N.D.	number(s): 0.13 0.13	5029113 mg/kg mg/kg	90 90		81-116 82-117		
Batch number: Q071091AA Benzene Ethylbenzene	Sample N.D. N.D.	number(s): 0.063 0.13	5029113 mg/kg mg/kg	98 93		84-115 82-115		

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 <u>%REC</u>	MSD %REC	MS/MSD <u>Limits</u>	<u>RPD</u>	RPD <u>MAX</u>	BKG <u>Conc</u>	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD Max
Batch number: 07106A31A TPH-GRO - Soils	Sample 73	e number 70	(s): 502911 39-118	3-50291 4	120 UNS 30	PK: P026889			

*- Outside of specification

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



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Page 2 of 5

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1033739

Reported: 04/26/07 at 12:54 PM

Sample Matrix Quality Control

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

<u>Analysis Name</u> Batch number: 07107A16A TPH-GRO - Soils	MS %REC Sample 55	MSD %REC number(57	MS/MSD Limits (s): 5029121- 39-118	<u>RPD</u> -502912 4	MAX	BKG <u>Conc</u> : P018125	DUP Conc	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: A071081AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample 98 89 95 96	number	(s): 5029114- 59-120 38-131 54-116 44-127	-502912	2 UNSPK	: P026900			
Batch number: A071082AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample 89 82 86 87	number 87 80 87 87	(s): 5029123 59-120 38-131 54-116 44-127	-502912 2 3 0	4 UNSPK 30 30 30 30 30	C: P028271			
Batch number: A071092AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample 85 76 81 82	number 75 65 70 70	(s): 5029125 59-120 38-131 54-116 44-127	-502912 11 13 13 13	26 UNSPH 30 30 30 30 30	K: P029677			
Batch number: Q071073AB Toluene Xylene (Total)	Sample 92 93	number 91 90	(s): 5029113 38-131 44-127	UNSPK: 1 3	: P02826 30 30	56			
Batch number: Q071091AA Benzene Ethylbenzene	Sample 94 96	92 90	(s): 5029113 59-120 54-116	UNSPK 3 6	: P03130 30 30	01			

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-DRO by 8015B w/Silica Gel Batch number: 071060026A Orthoterphenyl

5029113	93
5029114	90
5029115	89
5029116	88
5029117	87
5029118	87
5029119	87
5029120	89
5029121	89
5029122	91
5029123	76
5029124	83

*- Outside of specification

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



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Page 3 of 5

Quality Control Summary

	me: ChevronTexaco 04/26/07 at 12:54 PN		oup Number: 1033739	
keporteu:	04/20/07 at 12.54 fr	Surrogate Ou	ality Control	
5029125	76		-	
5029126	70			
Blank	92			
LCS	93			
LCSD	97			
				<u> </u>
Limits:	59-129			
Analysis Na	me: TPH-GRO - Soils			
Batch numbe	r: 07106A31A			
	Trifluorotoluene-F			
5029113	4*			
5029114	92			
5029115	84			
5029116	89			
5029117	88			
5029118	79			
5029119	86			
5029120	86			
Blank	104			
LCS	103			
MS	96			
MSD	91			
Limits:	61-122			
Analugie Ma	ame: TPH-GRO - Soils			
Batch number	er: 07107A16A Trifluorotoluene-F			·
Batch numbe	er: 07107A16A Trifluorotoluene-F			
Batch number 5029121	er: 07107A16A		<u> </u>	
Batch number 5029121 5029122	er: 07107A16A Trifluorotoluene-F			
5029121 5029122 5029123	er: 07107A16A Trifluorotoluene-F 74 76			· · · · · · · · · · · · · · · · · · ·
Batch number 5029121 5029122	er: 07107A16A Trifluorotoluene-F 74 76 79			
5029121 5029122 5029123 5029124	r: 07107A16A Trifluorotoluene-F 74 76 79 78			
5029121 5029122 5029123 5029124 5029125	r: 07107A16A Trifluorotoluene-F 74 76 79 78 82			
5029121 5029122 5029123 5029123 5029124 5029125 5029126	r: 07107A16A Trifluorotoluene-F 74 76 79 78 82 73			
5029121 5029122 5029122 5029123 5029124 5029125 5029126 Blank LCS MS	74 76 78 82 73 81 87 69			
5029121 5029122 5029122 5029124 5029125 5029126 Blank LCS	7107A16A Trifluorotoluene-F 74 76 79 78 82 73 81 87			
5029121 5029122 5029122 5029123 5029124 5029125 5029126 Blank LCS MS	74 76 78 82 73 81 87 69			
5029121 5029122 5029123 5029124 5029125 5029126 Blank LCS MS MSD Limits:	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B			
5029121 5029122 5029123 5029124 5029125 5029126 Blank LCS MS MSD Limits:	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B		Taluano do	4. Promofilyorobenzane
5029121 5029122 5029123 5029124 5029125 5029126 Blank LCS MS MSD Limits:	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5029121 5029122 5029123 5029124 5029125 5029126 Blank LCS MS MSD Limits:	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B	91	90	89
Batch number 5029121 5029122 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N. Batch number	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane	91 95	90 90	89 88
5029121 5029122 5029123 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N Batch numb	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane	91 95 89	90 90 91	89 88 85
5029121 5029122 5029122 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N Batch numb	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane 98 101	91 95 89 91	90 90 91 89	89 88 85 87
5029121 5029122 5029122 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N. Batch numb	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane 98 101 99 100 99	91 95 89 91 90	90 90 91 89 91	89 88 85 87 84
5029121 5029122 5029122 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N. Batch numb	27: 07107A16A Trifluorotoluene-F 74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane 98 101 99 100	91 95 89 91 90 89	90 90 91 89 91 90	89 88 85 87 84 85
5029121 5029122 5029122 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N. Batch numb 5029114 5029115 5029116 5029117	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane 98 101 99 100 99	91 95 89 91 90 89	90 90 91 89 91 90 91	89 88 85 87 84 85 92
5029121 5029122 5029122 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N Batch numb 5029114 5029115 5029116 5029117	74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane 98 101 99 100 99 99	91 95 89 91 90 89 87 88	90 90 91 89 91 90 91	89 88 85 87 84 85 92
5029121 5029122 5029122 5029124 5029125 5029126 Blank LCS MS MSD Limits: Analysis N. Batch numb 5029114 5029115 5029116 5029117 5029118 5029119	27: 07107A16A Trifluorotoluene-F 74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane 98 101 99 100 99 99 94	91 95 89 91 90 89 87 88	90 90 91 89 91 90 91 91	89 88 85 87 84 85 92 87
5029121 5029122 5029122 5029123 5029124 5029126 Blank LCS MS MSD Limits: Analysis N. Batch numb 5029114 5029115 5029116 5029117 5029118 5029118 5029119 5029120	27: 07107A16A Trifluorotoluene-F 74 76 79 78 82 73 81 87 69 70 61-122 ame: BTEX+MTBE by 8260B er: A071081AA Dibromofluoromethane 98 101 99 100 99 99 94	91 95 89 91 90 89 87 88	90 90 91 89 91 90 91	89 88 85 87 84 85 92

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



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Page 4 of 5

Quality Control Summary

Client Na	me: ChevronTexaco 04/26/07 at 12:54 P		roup Number: 1033739	
Reported:	04/20/07 at 12.54 1	Surrogate Ou	ality Control	
LCS	97	93	95	91
LCSD	96	93	95	91
MS	97	94	95	92
PIS	3,			
Limits:	71-114	70-109	70-123	70-111
Analysis Na	me: BTEX+MTBE by 8260B			
Batch numbe	r: A071082AA Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
	Dibromoriuoromechane	1,2°Dichioloechane u4	Torucine do	
5029123	99	93	91.	82
5029124	102	100	89	86
Blank	98	93	90	. 86
LCS .	97	93	94	92
	96	92	95	91
MS	95	93	95	91
MSD	95	93		
Limits:	71-114	70-109	70-123	70-111
Analysis Na	ame: BTEX+MTBE by 8260B			
Batch numbe	er: A071092AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5029125	102	93	90	84
5029126	98	92	91	83
Blank	99	93	89	84
LCS	97	93	93	92
	97	92	93	91
MS MSD	98	98	93	92
			70-123	70-111
Limits:	71-114	70-109	70-123	70 111
Analysis N	ame: 8260 Master Scan (so	il)		
Batch number	er: Q071073AB	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
	Dibromofluoromethane	1,2-DICHIOLOGCHane-d4	Tordene do	. 2100114.010
Blank	97	99	94	91
LCS	95	95	91	93
MS	95	95	92	93
MSD	94	93	92	93
Limits:	71-114	70-109	70-123	70-111
Analugia N	ame: BTEX+MTBE by 8260B			•
	er: Q071091AA			
Bacch Humb	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5029113	95	97	98	104
	100	101	95	92
Blank		98	96	94
LCS	97		92	96
MS	97	96	92 91	94
MSD	97	95	ЭŢ	J-4
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification

(2) The background result was more than four times the spike added.

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.



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Page 5 of 5

Quality Control Summary

Client Name: ChevronTexaco Reported: 04/26/07 at 12:54 PM Group Number: 1033739

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

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3460 Rev. 10/04/01

Chevron California Region Analysis Request/Chain of Custody

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Lancaster Laboratories Explanation of Symbols and Abbreviations

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

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

- less than The number following the sign is the <u>limit of quantitation</u>, 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.

Inorganic Qualifiers

U.S. EPA data qualifiers:

X.Y.Z

Organic Qualifiers

Defined in case narrative

A B C D E J N P	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument Estimated value Presumptive evidence of a compound (TICs only) Concentration difference between primary and confirmation columns >25%	B E M N S U W * +	Value is <crdl, (msa)="" <0.995<="" additions="" amount="" analysis="" but="" calculation="" coefficient="" compound="" control="" correlation="" detected="" digestion="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" msa="" not="" of="" out="" post="" precision="" spike="" standard="" th="" to="" used="" was="" within="" ≥idl=""></crdl,>
U	Compound was not detected		

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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ANALYTICAL RESULTS

12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-666-2681 • www.lancasterlabs.com

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 1033786. Samples arrived at the laboratory on Saturday, April 14, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description		
MW-14-S-9-070411	Grab	Soil
MW-14-S-14.5-070411	Grab	Soil
MW-14-S-19.5-070411	Grab	Soil
MW-14-S-24.5-070411	Grab	Soil
MW-14-S-29.5-070411	Grab	Soil
MW-14-S-34.5-070411	Grab	Soil
MW-14-S-39.6-070411	Grab	Soil
MW-14-S-44.6-070411	Grab	Soil
MW-14-S-49.5-070411	Grab	Soil
MW-14-S-54.5-070411	Grab	Soil
MW-14-S-59.5-070411	Grab	Soil

ELECTRONIC COPY TO	CRA	Attn: I Hull
ELECTRONIC	CRA	Attn: Charlotte Evans
COPY TO ELECTRONIC	CRA	Attn: J. Williams
COPY TO ELECTRONIC	CRA	Attn: Dorothy O'Hare
COPY TO		



2425 New Halland Cike PO Rox 19425 | appaster PA 17805-2425 • 717-656-2300 Fax; 717-656-2681 • www.lancasterlabs.com

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

Respectfully Submitted,

Melissa a Mc Sermott Melissa A. McDermott

Senior Chemist



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Page 1 of 1

Dilution

Lancaster Laboratories Sample No. SW 5029419

MW-14-S-9-070411

Grab

CETE

Facility# 206145

T0600102230 MW-14

800 Center St-Oakland T Collected:04/11/2007 10:05

by IH

Account Number: 10880

•

Submitted: 04/14/2007 10:00

Reported: 04/25/2007 at 17:04 Discard: 05/26/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

M14 - 9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils The analysis for volatiles was p	n.a. performed on a	3,400. sample which was	800.	mg/kg	20000
	in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p start time.	PH-GRO does not rior to the C6	t include MTBE or (n-hexane) TPH-G	RO range	mg/kg	1
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	33.	4.0	ilig/ kg	Τ.
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	0.23	0.063	mg/kg	125.63
05466	Toluene	108-88-3	35.	0.13	mg/kg	125.63
05474	Ethylbenzene	100-41-4	34.	0.13	mg/kg	125.63
06301	Xylene (Total)	1330-20-7	180.	1.3	mg/kg	1256.28

State of California Lab Certification No. 2116

Laboratory	Chronicle
-	Analysis

CAT				Analysis		DITUCION
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/17/2007 05:12	Linda C Pape	20000
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/18/2007 18:29	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 15:37	Kerri E Koch	1256.2 8
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 20:42	Kerri E Koch	125.63
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 00:15	Stephanie A Selis	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:25	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029420

MW-14-S-14.5-070411

Facility# 206145

T0600102230 MW-14

800 Center St-Oakland

Account Number: 10880

Collected: 04/11/2007 10:10

by IH

ChevronTexaco

Submitted: 04/14/2007 10:00

Reported: 04/25/2007 at 17:04 Discard: 05/26/2007

CETE

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

M1414

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01725	TPH-GRO - Soils	n.a.	880.	80.	mg/kg	2000
	The analysis for volatiles was pin methanol. Therefore, the repthe reported concentration of T. gasoline constituents eluting pastart time.	oorting limits PH-GRO does no	were raised. : include MTBE or	other	·	
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	13.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	0.097	0.062	mg/kg	124.38
05466	Toluene	108-88-3	0.45	0.12	mg/kg	124.38
05474	Ethylbenzene	100-41-4	3.2	0.12	mg/kg	124.38
06301	Xylene (Total)	1330-20-7	10.	0.12	mg/kg	124.38

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.

		Laboracory	CITTO			
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/17/2007 14:18	Linda C Pape	2000
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/18/2007 14:34	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 21:05	Kerri E Koch	124.38
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 00:17	Stephanie A Selis	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:29	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029421

MW-14-S-19.5-070411

Soil

Facility# 206145

T0600102230 MW-14

800 Center St-Oakland

Account Number: 10880

Collected: 04/11/2007 10:15

by IH

Submitted: 04/14/2007 10:00

ChevronTexaco

Reported: 04/25/2007 at 17:04

6001 Bollinger Canyon Rd L4310

Discard: 05/26/2007

San Ramon CA 94583

M1419

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	7.3	2.0	mg/kg	50
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p	porting limits PH-GRO does not	were raised. Linclude MTBE or	other		
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	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

CETE

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	Chro.			
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 07:19	Linda C Pape	50
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/18/2007 14:56	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 18:37	Emiley A King	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/20/2007 10:05	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:33	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029422

MW-14-S-24.5-070411

Grab

Soil

Facility# 206145

800 Center St-Oakland

T0600102230 MW-14

Collected: 04/11/2007 10:22

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

ChevronTexaco

Reported: 04/25/2007 at 17:04

6001 Bollinger Canyon Rd L4310

Discard: 05/26/2007

San Ramon CA 94583

M1424

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	1.2	1.0	mg/kg	25
	The analysis for volatiles was pringer in methanol. Therefore, the reported concentration of Tlyasoline constituents eluting property time.	porting limits PH-GRO does not	were raised. include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.01
05466	Toluene	108-88-3	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

CETE

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.

CAT				Analysis		Dilucion
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1.	04/17/2007 07:52	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/18/2007 15:17	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 19:46	Emiley A King	1.01
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/20/2007 10:07	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:37	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1.	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5029423

MW-14-S-29.5-070411

Grab

Soil

Facility# 206145

T0600102230 MW-14

800 Center St-Oakland

CETE

Collected: 04/11/2007 10:28

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/25/2007 at 17:04 Discard: 05/26/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

M1429

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was prin methanol. Therefore, the reported concentration of Transline constituents eluting prostart time.	oorting limits PH-GRO does not	were raised. : include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B		-			
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	0.002	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	0.001	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

		паротасоту	CIII O.	111010		Dilution
CAT	Analysis					
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 08:23	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/18/2007 15:39	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 20:09	Emiley A King	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/20/2007 10:08	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:41	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029424

MW-14-S-34.5-070411

Grab Soil

Facility# 206145

CETE 02230 MW-14

800 Center St-Oakland

T0600102230

Account Number: 10880

Collected:04/11/2007 10:32

by IH

Submitted: 04/14/2007 10:00

10.00

ChevronTexaco

Reported: 04/25/2007 at 17:04

6001 Bollinger Canyon Rd L4310

Discard: 05/26/2007

San Ramon CA 94583

M1434

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the reported concentration of Tassoline constituents eluting passing the state of the constituents.	porting limits PH-GRO does no	were raised. include MTBE or	other		
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1
05466	Toluene	108-88-3	0.002	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.001	0.001	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chro	יר כי	$\alpha \cup \alpha$	
Laboratory Chio	111	СТС	

		Laboratory	CIII O.	HICIC		
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 08:55	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica	SW-846 8015B	1	04/18/2007 16:00	Tracy A Cole	1
07360	Gel BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 20:31	Emiley A King	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/20/2007 10:10	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:44	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029425

MW-14-S-39.6-070411

Grab

Soil

Facility# 206145

T0600102230 MW-14

CETE

800 Center St-Oakland

by IH Collected:04/11/2007 10:52

Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/25/2007 at 17:04

Discard: 05/26/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

M1439

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was printed in methanol. Therefore, the reported concentration of Transcoline constituents eluting prostart time.	orting limits PH-GRO does not	were raised. include MTBE or	other		
02222		n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 09:27	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/18/2007 16:21	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 20:54	Emiley A King	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/20/2007 10:11	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:47	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No.

MW-14-S-44.6-070411

Grab

Soil

Facility# 206145

T0600102230 MW-14

800 Center St-Oakland

CETE

Collected: 04/11/2007 11:17

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/25/2007 at 17:04

Discard: 05/26/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

M1444

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	2.1	1.0	mg/kg	25
	The analysis for volatiles was in methanol. Therefore, the re The reported concentration of T gasoline constituents eluting p start time.	porting limits PH-GRO does not	were raised. Include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	0.0005	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	0.004	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	0.004	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	. 1	04/17/2007 09:58	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/18/2007 16:43	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/20/2007 21:16	Emiley A King	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/20/2007 10:13	Emiley A King	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:52	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1.



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Page 1 of 1

Lancaster Laboratories Sample No. 5029427

MW-14-S-49.5-070411

Grab

Soil

Facility# 206145

T0600102230 MW-14

CETE

800 Center St-Oakland Collected: 04/11/2007 11:23

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00

Reported: 04/25/2007 at 17:04

Discard: 05/26/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

M1449

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	1.5	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of T gasoline constituents eluting p	porting limits PH-GRO does not	were raised. include MTBE or	other		
02222	start time. TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	0.004	0.0005	mg/kg	1.
05466	Toluene	108-88-3	0.011	0.001	mg/kg	1
05474	Ethylbenzene	100-41-4	0.005	0.001	mg/kg	1
06301	Xylene (Total)	1330-20-7	0.024	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.

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 10:30	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/18/2007 17:04	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 08:36	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:21	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:55	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. SW 5029428

MW-14-S-54.5-070411

Grab

Soil

Facility# 206145

T0600102230 MW-14

CETE

800 Center St-Oakland Collected:04/11/2007 11:37

by IH

Account Number: 10880

Submitted: 04/14/2007 10:00 Reported: 04/25/2007 at 17:04

Discard: 05/26/2007

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

M1454

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep The reported concentration of The gasoline constituents eluting pastart time.	porting limits PH-GRO does no	were raised. t include MTBE o	r other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.99
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	0.99
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	0.99
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	0.99

State of California Lab Certification No. 2116

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

		Haberacery	CIII O	111010		
CAT		_	Analysis			
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modified	1	04/17/2007 11:02	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/18/2007 17:25	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 08:59	Holly Berry	0.99
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:24	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 09:59	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5029429

MW-14-S-59.5-070411

Grab

Soil

Facility# 206145

T0600102230 MW-14

CETE

800 Center St-Oakland Collected: 04/11/2007 11:50

by IH

Submitted: 04/14/2007 10:00 Reported: 04/25/2007 at 17:04

ChevronTexaco

6001 Bollinger Canyon Rd L4310

Discard: 05/26/2007

San Ramon CA 94583

Account Number: 10880

M1459

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01725	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The analysis for volatiles was pin methanol. Therefore, the rep. The reported concentration of T. gasoline constituents eluting p start time.	porting limits PH-GRO does no	were raised. t include MTBE or	other		
02222	TPH-DRO by 8015B w/Silica Gel	n.a.	N.D.	4.0	mg/kg	1
07360	BTEX+MTBE by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.
05466	Toluene	108-88-3	0.001	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.

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01725	TPH-GRO - Soils	SW-846 8015B modifie	d 1	04/17/2007 11:34	Linda C Pape	25
02222	TPH-DRO by 8015B w/Silica Gel	SW-846 8015B	1	04/18/2007 17:47	Tracy A Cole	1
07360	BTEX+MTBE by 8260B	SW-846 8260B	1	04/18/2007 09:21	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	04/18/2007 04:26	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5035	1	04/16/2007 10:02	Stephanie A Sanchez	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	04/16/2007 16:00	Doreen K Robles	1



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Page 1 of 3

Quality Control Summary

Client Name: ChevronTexaco Reported: 04/25/07 at 05:04 PM Group Number: 1033786

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 <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 071060011A TPH-DRO by 8015B w/Silica Gel	Sample nu N.D.	mber(s):	5029419-50 mg/kg	29429 96	85	71-109	11	20
Batch number: 07107A16A TPH-GRO - Soils	Sample nu N.D.	mber(s): 1.0	5029419-50 mg/kg	29429 94		67-119		
Batch number: A071081AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample nu N.D. N.D. N.D. N.D.	0.0005 0.001	5029427-50 mg/kg mg/kg mg/kg mg/kg	29429 101 91 93 92	102 92 95 94	84-115 81-116 82-115 82-117	2 2 2 2	30 30 30 30
Batch number: A071101AA Benzene Toluene Ethylbenzene Xylene (Total)	Sample nu N.D. N.D. N.D. N.D.	mber(s): 0.0005 0.001 0.001 0.001	5029421-50 mg/kg mg/kg mg/kg mg/kg	29426 104 90 96 95		84-115 81-116 82-115 82-117		
Batch number: Q071073AB Benzene Toluene Ethylbenzene Xylene (Total)	Sample nu N.D. N.D. N.D. N.D.	mber(s): 0.063 0.13 0.13 0.13	5029419-50 mg/kg mg/kg mg/kg mg/kg	92 92 90 88 90		84-115 81-116 82-115 82-117		

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 <u>Conc</u>	DUP Conc	DUP <u>RPD</u>	Dup RPD Max
Editor A to many at series							-		
Batch number: 07107A16A	Sample	number	(s): 5029419	9-50294	29 UNSI	K: P018125			
TPH-GRO - Soils	55	57	39-118	4	30				
Batch number: A071081AA	Sample	number	(s): 502942	7-50294	29 UNSI	K: P026900			
Benzene	98		59-120						
Toluene	89		38-131						
Ethylbenzene	95		54-116						
Xylene (Total)	96		44-127						
Batch number: A071101AA	Sample	number	(s): 5029423	1-50294	26 UNS	PK: P030389			
Benzene	82	85	59-120	4	30				
Toluene	68	70	38-131	2	30				
Ethylbenzene	71	77	54-116	7	30				
Xylene (Total)	69	71	44-127	4	30				

*- Outside of specification

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



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Page 2 of 3

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1033786

Reported: 04/25/07 at 05:04 PM

Sample Matrix Quality Control

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

DUP DUP Dup RPD MSD MS/MSD RPD <u>MAX</u> Conc Conc RPD Max %REC %REC <u>Limits</u> Analysis Name number(s): 5029419-5029420 UNSPK: P028266 Batch number: Q071073AB 30 Benzene 90 59-120 2 91 30 38-131 1 92 30 91 54-116 Ethylbenzene 89 90 44-127 30 Xylene (Total) 93

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-DRO by 8015B w/Silica Gel

Batch number: 071060011A Orthoterphenyl

5029419	105		·	 	•	
5029420	99					
5029421	100					
5029422	94					
5029423	99					
5029424	107					
5029425	105					
5029426	105					
5029427	103					
5029428	105					
5029429	98					
Blank	98					
LCS	116					
LCSD	104					
Limits:	59-129	 		 		

Analysis Name: TPH-GRO - Soils

Batch numc	er: 07107A16A Trifluorotolue	ne-F	
5029419	3*		
5029420	9*		
5029421	44*		
5029422	81		
5029423	73		
5029424	78		
5029425	84		
5029426	79		
5029427	84		
5029428	80		
5029429	73		
Blank	81		
LCS	87		

*- Outside of specification

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



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Page 3 of 3

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1033786

Reported: 04/25/07 at 05:04 PM

Surrogate Quality Control

69 70 MSD

Limits:

61-122

Analysis Name: BTEX+MTBE by 8260B Batch number: A071081AA

Bucch hand	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5029427	96	90	91	88
5029428	101	91	90	83
5029429	100	91	90	84
Blank	99	95	90	85
LCS	97	93	95	91
LCSD	96	93	95	91
MS	97	94	95	92
Limits:	71-114	70-109	70-123	70-111

Analysis Name: BTEX+MTBE by 8260B

Batch number: A071101AA

Datell Hans	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5029421	94	89	91	91
5029422	97	90	91	86
5029423	97	91	92	87
5029424	98	92	92	87
5029425	97	91	91	87
5029426	97	89	92	89
Blank	98	92	91	87
LCS	96	94	95	93
MS	97	95	93	93
MSD	96	92	92	92
Limite	71 - 114	70-109	70-123	70-111

Analysis Name: BTEX+MTBE by 8260B

Batch numb	per: Q071073AB Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5029419	95	97	90	96
5029420	93	93	89	91
Blank	97	99	94	91
LCS	95	95	91	93
MS	95	95	92	93
MSD	94	93	92	93
Limits:	71-114	70-109	70-123	70-111

*- Outside of specification

(2) The background result was more than four times the spike added.

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Where quality is a	Labor	<u>atories</u>		,			Ac	:ct. #:	10)8	80	_ Sa	F ample	or L	ancas 50	ter Laboratorie 1941 4-2	s use or	nly SCR#:_	2 4	47	′85 ——
Where quality is a.	science.			04	t1107-	-//	Analyses Requested					7 (2# 1033786									
	11 C		A1L				Т						F	res	ervati	on Codes		Pres	ervative C	odes	;
Facility #: <u>70 - 61</u>					< A \ \ \ A \ \ .													H = HC! N = HNO ₃	T = Th B = Na		
Site Address: 800						<u> </u>						annb						S = H ₂ SO ₄			
Chevron PM: SATY	7 211	1HV	Lead C	onsultant:	CRA				e S	_		Gel Cleanup						☐ J value re	porting nee	ded	
Consultant/Office: E	NELST	ULLE							taine	7		Silica G						☐ Must mee	et lowest det	tection	
Consultant Prj. Mgr.: C. EVANS							İ		Containers	\ %		∭S.			_			possible !	for 8260 con	npour	nds
Consultant Phone #: 510 420 3351 Fax #: 510 - 420 - 9170									o	8260 🔯 8021 🗆	GRO	ω 2			7421 🗆			8021 MTBE			_
Sampler: I HUL								g	npei			8	_	nates	74			☐ Confirm h	•	•	D
Service Order #:			□Nor	1 SAR:				osit	ž	I	15 M	115 M	∦ sca	Oxygenates	420			☐ Confirm a			t hit
Field		Repeat	Тор		Time	New	Grab	Composite	Total Number	BTEX + N	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan		Lead 7420 [☐ Run			1
Point Name		Sample			Day Collected	d Field Pt	X	0	1	X		X	30		-3			Comment			
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MW-14-5-14.5 MW-14-5-19.5			19.5	 -	10:15		×		1	X		x					11	Cevans	V DOZO.	vor!	10.00
MW-14-5-24.5			24.5		10:22		$\frac{1}{\times}$	†	ī	1	X	X						- jlwilliar	hs@crai	₩\$#\ L	d.com
MW-14-5-29.5		 	29.5		10:28		X		١	×	×	×						Tihulle dohar	eralwer - allem	· 101 -	d com
MW-14-5-345		<u> </u>	34.5		10:32		X		1	×		X						Jaonar	SOUW.	000 1	a run
MW-14-5-39. 8			395		16:52		X		j	X	X	X	<u>L</u> .				11	_			
MW-14-5-44.5			44.5		14:17		X	<u> </u>	1	1	X	X						_			
MW-14-5-49.5			49.5	ļ	11:23		X	_	1	×		X	<u> </u>		-			_			
MW-14-5-54.5			54,5		11:37	<u> </u>	X	-	1	×		X	├			- - -					ſ
MW-14-S-59.5	· ·	<u> </u>	59.5	ļ	11:50		<u> </u>	\vdash	1	X	X	×	-		\vdash		++	-			
	<u> </u>	 					+			╁┈	 -	╁	 				1, 1	\exists_{c}			
			<u> </u>		Relinquish	ed by:		<u> </u>		۰.			Date		Time	Received by	://	77	Date	٠ .	Time
Turnaround Time Rec	quested	(TAT) (plea	ase circl	e)	上发 (H)	کے کیال		1/2	Lei	<i>H.</i> -			Date 7-0 ¹¹		<u> </u>		100	(Amount)	re 4-11:		1615
STD. TAT	72 hou		8 hour		Relinquish	,, ,						4	Date 12/5	_ ,	Time	Received by	1		Date 4-72-		Time
24 hour	4 day	5	day		_ lud	100	w	N	y	K				- 	530 Time	Received by	<u>/</u>		Date		Time
Data Package Options (please circle if required) Relinquished by:						<u>[] </u>				Date		18116	- Elved by								
QC Summary Type 1 – Full Relinquished by Corr					merci	al Ca	rrier	<u> </u>	Λ	_ <u> </u>				Received by			Date	е	Time		
, , , , , , , , , , , , , , , , , , , ,]Coelt De	eliverable no	ot neede	ed .	UPS	FedEx		(0	ther	<u> </u>) <i>H</i>					Tess	JOS F		4/14/8	7 N	<i>'00</i>
WtP (RWQCB)					Temperatu	re Upon Re	eceipt	7.3	3-3	.40	e°	9	Coi	Ne Ng	es es	Custody Se	als intact	? Yes	No		
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Lancaster Laboratories Explanation of Symbols and Abbreviations

Inorganic Qualifiers

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

N.D. TNTC	none detected Too Numerous To Count	BMQL MPN	Below Minimum Quantitation Level Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTŪ	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)	1	liter(s)
mĪ	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 be reliably determined using this		quantitation, the smallest amount of analyte which can
>	greater than		
ppm	parts per million – One ppm is e For aqueous liquids, ppm is usu	quivalent to one milligra ally taken to be equivale	m per kilogram (mg/kg), or one gram per million grams. ent to milligrams per liter (mg/l), because one liter of

ppb parts per billion

gas per liter of gas.

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

water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of

U.S. EPA data qualifiers:

Organic Qualifiers

A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J N P U X,Y,Z	the instrument Estimated value Presumptive evidence of a compound (TICs only) Concentration difference between primary and confirmation columns >25% Compound was not detected Defined in case narrative	U W * +	Compound was not detected Post digestion spike out of control limits Duplicate analysis not within control limits Correlation coefficient for MSA <0.995

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

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

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



ATTACHMENT E

Groundwater Analytic Data



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ANALYTICAL RESULTS

Prepared for:

Chevron 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 1034918. Samples arrived at the laboratory on Tuesday, April 24, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description		<u>Lancaster Labs Number</u>
QA-T-070420	NA Water	5035769
MW-9-W-070420	Grab Water	5035770
MW-10-W-070420	Grab Water	5035771
MW-11-W-070420	Grab Water	5035772
MW-12-W-070420	Grab Water	5035773
MW-13-W-070420	Grab Water	5035774
MW-14-W-070420	Grab Water	5035775
MW-15-W-070420	Grab Water	5035776
MW-16-W-070420	Grab Water	5035777
MW-17-W-070420	Grab Water	5035778

ELECTRONIC COPY TO

Cambria c/o Gettler-Ryan

Attn: Cheryl Hansen



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

Respectfully Submitted,

Susan M. Goshert

Dusan M Goshert

Group Leader



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035769

QA-T-070420

Water

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230 QA

GRD

Collected: 04/20/2007

Submitted: 04/24/2007 10:05 Reported: 05/04/2007 at 10:40

Chevron 6001 Bollinger Canyon Rd L4310

Account Number: 10904

San Ramon CA 94583

Discard: 06/04/2007

OAKQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TR gasoline constituents eluting pr start time.	n.a. PH-GRO does not ior to the C6	N.D. include MTBE or (n-hexane) TPH-G	50. other RO range	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/1	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1

State of California Lab Certification No. 2116

		Laboratory	Chro	nicle		Dilution
CAT	Analysis					
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 09:29	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 09:29	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 09:29	Linda C Pape	1



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Page 1 of 1

Lancaster Laboratories Sample No. 5035770

MW-9-W-070420

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 MW-9 Collected: 04/20/2007 13:05

Account Number: 10904

Submitted: 04/24/2007 10:05 Reported: 05/04/2007 at 10:40

Chevron

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK-9

				As Received			
CAT			As Received	Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,100.	290.	ug/l	10	
01729	TPH-GRO - Waters						
01730	TPH-GRO - Waters n.a. 4,100. 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.						
05879	BTEX						
02161	Benzene	71-43-2	28.	0.5	ug/l	1	
02164	Toluene	108-88-3	6.9	0.5	ug/l	1	
02166	Ethylbenzene	100-41-4	9.2	0.5	ug/l	1	
02171	Total Xylenes	1330-20-7	240.	1.5	ug/l	1	

State of California Lab Certification No. 2116

CAT		Laboratory	Laboratory Chronicle Analysis			Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 06:15	Heather E Williams	10
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 13:48	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 13:48	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 13:48	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



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Lancaster Laboratories Sample No. 5035771

MW-10-W-070420

Grab

Water

Facility# 206145 Job# 386492

800 Center Street-Oakland T0600102230 MW-10

GRD

Collected:04/20/2007 11:40

Account Number: 10904

Submitted: 04/24/2007 10:05

Chevron

Reported: 05/04/2007 at 10:40

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK10

CAT			As Received	As Received Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
06610	TPH-DRO (Water) w/Si Gel	n.a.	260.	50.	ug/l	1	
01729	TPH-GRO - Waters						
01730	1730 TPH-GRO - Waters n.a. 1,200. 50. ug/l 1 The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05879	BTEX	•					
02161	Benzene	71-43-2	29.	0.5	ug/l	1	
02164	Toluene	108-88-3	31.	0.5	ug/l	1	
02166	Ethylbenzene	100-41-4	11.	0.5	ug/l	1	
02171	Total Xylenes	1330-20-7	140.	1.5	ug/l	1	

State of California Lab Certification No. 2116

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 07:36	Heather E Williams	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 14:09	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 14:09	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 14:09	Linda C Pape	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035772

MW-11-W-070420

Grab

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 MW-11 Collected:04/20/2007 08:55

Account Number: 10904

Chevron

Submitted: 04/24/2007 10:05 Reported: 05/04/2007 at 10:40

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK11

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	350.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	77.	50.	ug/l	1
	The reported concentration of Tigasoline constituents eluting pastart time.	PH-GRO does not rior to the C6	t include MTBE or (n-hexane) TPH-0	r other GRO range		
05879	BTEX					
02161	Benzene	71-43-2	N.D.	2.0	ug/l	1
02164	Toluene	108-88-3	4.6	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	3.2	1.5	ug/l	1
	Due to the presence of an inter reporting limit was not attaine this compound cannot be determi	d for benzene.	The presence of	r concentration o	of	

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		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 07:58	Heather E Williams	1
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 19:04	Linda C Pape	1
05879	BTEX	SW-846 8021B	1	04/25/2007 19:04	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 19:04	Linda C Pape	1
02376	Extraction - Fuel/TPH	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035773

MW-12-W-070420

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 MW-12

Collected: 04/20/2007 10:05

Account Number: 10904

Submitted: 04/24/2007 10:05 Reported: 05/04/2007 at 10:40

Discard: 06/04/2007

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

OAK12

				As Received			
CAT			As Received	Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
06610	TPH-DRO (Water) w/Si Gel	n.a.	430.	50.	ug/l	1	
01729	TPH-GRO - Waters						
01730	30 TPH-GRO - Waters n.a. 400. 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.						
05879	BTEX						
02161	Benzene	71-43-2	2.3	0.5	ug/l	1	
02164	Toluene	108-88-3	40.	0.5	ug/l	1	
02166	Ethylbenzene	100-41-4	14.	0.5	ug/l	1	
02171	Total Xylenes	1330-20-7	49.	1.5	ug/l	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	Chro	nicie		Dilution	
CAT	_ Analysis						
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 08:21	Heather E Williams	1	
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B	1	04/25/2007 14:51	Linda C Pape	1	
05879	BTEX	SW-846 8021B	1	04/25/2007 14:51	Linda C Pape	1	
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 14:51	Linda C Pape	1	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1	

Tabamatamir Chroniala



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035774

MW-13-W-070420

Grab

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 MW-13 Collected: 04/20/2007 08:55

Account Number: 10904

Submitted: 04/24/2007 10:05

Reported: 05/04/2007 at 10:40 Discard: 06/04/2007

6001 Bollinger Canyon Rd L4310

(Waters)

San Ramon CA 94583

OAK13

				As Received			
CAT			As Received	Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
06610	TPH-DRO (Water) w/Si Gel	n.a.	140.	50.	ug/l	1	
01729	TPH-GRO - Waters						
01730	30 TPH-GRO - Waters n.a. 650. 50. ug/l l 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.						
05879	BTEX						
02161	Benzene	71-43-2	16.	0.5	ug/l	1.	
02164	Toluene	108-88-3	23.	0.5	ug/1	1	
02166	Ethylbenzene	100-41-4	7.5	0.5	ug/l	1	
02171	Total Xylenes	1330-20-7	61.	1.5	ug/l	1	

State of California Lab Certification No. 2116

CAT	Laboratory Chronicle Analysis						
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	04/27/2007 08:44	Heather E Williams	1	
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 15:12	Linda C Pape	1	
05879	BTEX	SW-846 8021B	1	04/25/2007 15:12	Linda C Pape	1	
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 15:12	Linda C Pape	1	
02376	Extraction - Fuel/TPH	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1	



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Page 1 of 1

Lancaster Laboratories Sample No. 5035775

MW-14-W-070420

Grab

Water

Facility# 206145 Job# 386492

GRD

MW-14

800 Center Street-Oakland T0600102230 Collected:04/20/2007 10:10

Account Number: 10904

Submitted: 04/24/2007 10:05

Reported: 05/04/2007 at 10:40 Discard: 06/04/2007

Chevron

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

OAK14

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	2,000.	300.	ug/l	10
01729	TPH-GRO - Waters					•
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	16,000. t include MTBE o (n-hexane) TPH-	500. r other GRO range	ug/1	10
. 05879	BTEX					
02161	Benzene	71-43-2	550.	5.0	ug/l	10
02164	Toluene	108-88-3	1,600.	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	620.	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	2,400.	15.	ug/l	10

State of California Lab Certification No. 2116

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 18:14	Heather E Williams	10
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	04/25/2007 19:25	Linda C Pape	10
05879	BTEX	SW-846 8021B	1	04/25/2007 19:25	Linda C Pape	10
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 19:25	Linda C Pape	10
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1.



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Page 1 of 1

5035776 Lancaster Laboratories Sample No.

MW-15-W-070420

Grab

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230

MW-15

Collected: 04/20/2007 13:20

Account Number: 10904

Submitted: 04/24/2007 10:05

Reported: 05/04/2007 at 10:40

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK15

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	720.	50.	ug/l	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of The gasoline constituents eluting prostart time.	n.a. PH-GRO does no rior to the C6	240. t include MTBE o: (n-hexane) TPH-0	50. r other GRO range	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	1.0	0.5	ug/l	1
02164	Toluene	108-88-3	1.3	0.5	ug/1	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/1	1
02171	Total Xylenes	1330-20-7	20.	1.5	ug/l	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 Analysis Dilution CAT Factor Date and Time Analyst Analysis Name Method Trial# No. Heather E Williams SW-846 8015B 1 04/27/2007 10:36 1 TPH-DRO (Water) w/Si Gel 06610 TPH GRO SW-846 8015B 1 04/25/2007 10:37 Linda C Pape 1 TPH-GRO - Waters 01729 mod 1 Linda C Pape 04/25/2007 10:37 05879 BTEX SW-846 8021B 1 SW-846 5030B 1 04/25/2007 10:37 Linda C Pape 1 GC VOA Water Prep 01146 04/26/2007 11:00 Mariam G Attalla SW-846 3510C Extraction - Fuel/TPH 02376 (Waters)



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Page 1 of 2

Lancaster Laboratories Sample No. WW 5035777

MW-16-W-070420

Grab

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 MW-16

Collected: 04/20/2007 14:30

Account Number: 10904

Submitted: 04/24/2007 10:05

Reported: 05/04/2007 at 10:40 Discard: 06/04/2007

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

OAK16

				As keceived		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	2,200.	300.	ug/l	10
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	15,000.	250.	ug/l	5
	The reported concentration of T gasoline constituents eluting p start time. The vial submitted for volatile of analysis. Due to the volati appropriate for the laboratory receipt. The pH of this sample	rior to the C6 analysis did le nature of t to adjust the	n-hexane) TPH-0 not have a pH < 2 he analytes, it :	GRO range 2 at the time is not		
05879	BTEX		×			
02161	Benzene	71-43-2	87.	2.5	ug/l	5
02164	Toluene	108-88-3	1,200.	2.5	ug/l	5
02166	Ethylbenzene	100-41-4	500.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	2,000.	7.5	ug/l	5
	The vial submitted for volatile of analysis. Due to the volati appropriate for the laboratory receipt. The pH of this sample	le nature of t to adjust the	he analytes, it	is not		

State of California Lab Certification No. 2116

Laboratory	Chronicle
Haboracory	

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 18:36	Heather E Williams	10
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B	1	04/25/2007 19:46	Linda C Pape	5
05879	BTEX	mod SW-846 8021B	1	04/25/2007 19:46	Linda C Pape	5
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 19:46	Linda C Pape	5



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Page 2 of 2

Lancaster Laboratories Sample No. WW 5035777

MW-16-W-070420

Grab

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 MW-16

Collected: 04/20/2007 14:30

Account Number: 10904

Submitted: 04/24/2007 10:05 Reported: 05/04/2007 at 10:40

Discard: 06/04/2007

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

OAK16

02376

Extraction - Fuel/TPH (Waters)

SW-846 3510C

04/26/2007 11:00 Mariam G Attalla



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Page 1 of 1

Lancaster Laboratories Sample No. WW 5035778

MW-17-W-070420

Grab

Water

Facility# 206145 Job# 386492

GRD

800 Center Street-Oakland T0600102230 MW-17

by HK Collected: 04/20/2007 12:25

Account Number: 10904

Submitted: 04/24/2007 10:05 Reported: 05/04/2007 at 10:41

6001 Bollinger Canyon Rd L4310

Discard: 06/04/2007

San Ramon CA 94583

OAK17

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06610	TPH-DRO (Water) w/Si Gel	n.a.	1,300.	150.	ug/l	5
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of The gasoline constituents eluting present time.	n.a. PH-GRO does no rior to the C6	7,400. t include MTBE of (n-hexane) TPH-0	250. r other GRO range	ug/l	5
05879	BTEX					
02161	Benzene	71-43-2	66.	2.5	ug/l	5
02164	Toluene	108-88-3	880.	2.5	ug/1	5
02166	Ethylbenzene	100-41-4	300.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	1,300.	7.5	ug/l	5

State of California Lab Certification No. 2116

CAT		Laboratory	Chro	nicle Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
06610	TPH-DRO (Water) w/Si Gel	SW-846 8015B	1	05/03/2007 07:22	Heather E Williams	5
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B	1.	04/25/2007 20:07	Linda C Pape	5
05879	BTEX	SW-846 8021B	1	04/25/2007 20:07	Linda C Pape	5
01146	GC VOA Water Prep	SW-846 5030B	1	04/25/2007 20:07	Linda C Pape	5
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	04/26/2007 11:00	Mariam G Attalla	1



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Page 1 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1034918

Reported: 05/04/07 at 10:41 AM

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

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report Units	LCS <u>%REC</u>	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 071150025A TPH-DRO (Water) w/Si Gel	Sample n	umber(s): 29.	5035770-50 ug/l	3577 8 96	94	63-119	3	20
Batch number: 07115A54A	Sample n	umber(s):	5035769-50	35778				
TPH-GRO - Waters	N.D.	50.	uq/l	124	122	75-135	1	30
Benzene	N.D.	0.5	uq/1	98	100	86-119	2	30
Toluene	N.D.	0.5	uq/1	97	99	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/1	98	100	81-119	3	30
Total Xvlenes	N.D.	1.5	ug/l	99	101	82-120	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 <u>%REC</u>	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP <u>RPD</u>	Dup RPD Max
Batch number: 07115A54A	Sample	e number	(s): 503576	59-5035'	778 UNS	PK: P035808	, P035814		
TPH-GRO - Waters	98 ~	96	63-154	1	30				
Benzene	111	1.1.0	78-131	1	20				
Toluene	110	110	78-129	0	30				
Ethylbenzene	111	111	75-133	0	30				
Total Xylenes	112	1.11	84-131	0	30				

Surrogate Quality Control

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

Analysis Name: TPH-DRO (Water) w/Si Gel Batch number: 071150025A Orthoterphenyl

_
96
90
104
11.5
97
58*
92
87
95

*- Outside of specification

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



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Page 2 of 2

Quality Control Summary

Client Name: Chevron

Group Number: 1034918

Reported: 05/04/07 at 10:41 AM

Surrogate Quality Control

Blank LCS 120 LCSD 119

59-131 Limits:

Analysis Name: BTEX Batch number: 07115A54A Trifluorotoluene-F Trifluorotoluene-P

11411401000	•		
0.1	86		
113			
93	85		•
89	86		T.
93	85		
92	85		
	87	•	
	83		
166*	116		
88	84		
90	86		
101	86		
101	86	,	
96	86		
94	86		
63-135	69-129		
	91 113 93 89 93 92 94 90 166* 88 90 101 101 96	91 86 113 92 93 85 89 86 93 85 92 85 94 87 90 83 166* 116 88 84 90 86 101 86 101 86 96 86 94 86	91 86 113 92 93 85 89 86 93 85 92 85 94 87 90 83 166* 116 88 84 90 86 101 86 101 86 96 86 94 86

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

Chevron California Region Analysis Request/Chain of Custody

4 Lancaster Laboratories		Acct.#: 1	0904 Sample	#: 503576	9-78	SCR#:
Lancaster Laboratories Where quality is a science.	307-07	, assi (ii)		nalyses Request		1034918
Facility #: SS#206145-OML G-R#386492 Global ID#	T0600102230	Matrix	HH HI	reservation Cod	es	Preservative Codes H = HCl T = Thiosulfate
Site Address 800 CENTER STREET, OAKLAND, CA						N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other
Chevron PM:SS Lead Consultant:CR/ Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, D Consultant Prj. Mgr.:Deanna L. Harding (deanna@grinc.	ublin, Ca. 94568	☐ Potable☐ NPDES	☐ 8021 X			☐ J value reporting needed ☐ Must meet lowest detection limits possible for 8260 compounds
Consultant Phone #:925-551-7555 Fax #: 925-55 Sampler: HAIG KEVORK / STEVE HUN Service Order #:	551-7899 ITER <u><u>a</u></u>		1 kg g	Oxygenates Leed 7420 ☐ 7421 ☐		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
MW-10 4/20/07	1305 1140 0855 1005 0855 1010 1320 1430 1430 1225	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				Comments / Remarks
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 need		DI DI Commercial Carrier:		Time Rece	ived by: In any flat ived by: iyed by: iyed by:	Date Time 123/07 Date Time 123/07 (34/5) Date Time 1/12/57 Date Time 1/12/57
Type VI (Raw Data)	UPS Fex Temperature Upo	_	b2 c Ronge	O Custo	ody Seals Intect?	(Yes) NO 4-24 1005

Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D. TNTC IU umhos/cm C Cal meq g ug ml m3	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliliter(s) cubic meter(s)	BMQL MPN CP Units NTU F Ib. kg mg I ul fib >5 um/ml	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) microliter(s) fibers greater than 5 microns in length per ml		
<	less than – The number following the sign is the <u>limit of quantitation</u> , 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				

gas per liter of gas.

ppb parts per billion

Dry weightBesults 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.

water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of

Inorganic Qualifiers

U.S. EPA data qualifiers:

A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

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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