July 31, 2002

Mr. Barney Chan Alameda County Health Care Services Agency **Environmental Health Services** 1131 Harbor Bay Parkway, Suite 250 Oakland, California 94502-6577

Subject:

Soil Borings

Former Chevron Service Station No. 20-6145

800 Center Street Oakland CA, California.

Mr. Chan:

This report summarizes the results of the recent subsurface investigation performed by Delta Environmental Consultants Inc. network associate Gettler-Ryan Inc. (GR), at the subject site. This work was performed at the request of Chevron Products Company (Chevron) to collect analytical data that may be used to profile soil for possible landfill acceptance and to further define the degree and extent of petroleum hydrocarbon impact to soil at and in the vicinity of the subject site. The scope of work included: advancing 23 Geoprobe® soil borings, collecting and submitting selected soil samples for chemical analysis, and preparing a report summarizing the findings of the investigation.

Background

The subject site is located on the northeastern corner of the intersection of 8th Street and Center Street in the City of Oakland, California (Figure 1). The topography in the vicinity of the site is relatively flat at an elevation of approximately 15 feet above mean sea level. The nearest surface water is Oakland Inner Harbor approximately 1 mile south of the site.

The site was first developed as a service station in 1932. Four 1,000-gallon underground fuel storage tanks (USTs) and one waste oil UST, apparently installed when the site was built, were removed in 1973 when the station was closed. The original station facilities, including the building, USTs and the dispenser islands have been removed and the site is now vacant. Properties in the vicinity are developed as residential housing, churches and retail businesses.

Historically, groundwater elevations at the site have varied from 2.45 (12.97 feet below the top of well casing) to 13.27 feet below mean sea level (MSL) (2.37. feet below TOC). Groundwater flow direction at the site is generally to the south with an average gradient of approximately 0.03 ft/ft.

Previous Environmental Work

The information discussed below was obtained from files provided by Chevron. Locations of the wells and borings are shown on Figure 2. Three subsurface investigations have been performed at the subject

DG26145H.4C01

Mr. Barney Chan July 31, 2002 Page 2 of 5

site. In 1989, Subsurface Consultants Inc. drilled five soil borings (1 through 5) to depths between 4.5 and 26 feet below ground surface (bgs). Temporary wells were installed in two of these borings. Borings 1 through 4 were installed in the vicinity of the former USTs, the dispenser island, and sumps along the eastern property boundary.

Concentrations up to 14,000 parts per million (ppm) of Total Petroleum Hydrocarbons as diesel (TPHd), up to 31,000 ppm of Total Petroleum Hydrocarbons as gasoline (TPHg) and up to 500 ppm of benzene were detected in soil collected from depths up to 15 feet bgs. One sample from 3.5 feet bgs in boring 5, situated near the hydraulic hoist, contained 16,000 ppm oil and grease (O&G). Grab groundwater samples were collected from borings 1 and 3. TPHd were not detected in either sample. The sample from boring 3 contained benzene (340 parts per billion, or ppb).

Groundwater Technology Inc. drilled three soil borings (SB-1 through SB-3) to 12 feet bgs and installed four groundwater monitoring wells (MW-1 through MW-4) to 15 feet bgs in 1995. Concentrations of TPHg (up to 14.000 ppm) and benzene (up to 120 ppm) were detected in soil samples collected at 5 and 10 feet bgs in borings SB-1, SB-2 and MW-1. TPHg or benzene were not detected in soil samples from borings SB-3 or MW-2 through MW-4 (except for 0.24 ppm of benzene in the sample from boring MW-3 at 10 feet bgs).

Pacific Environmental Group advanced 5 soil vapor points (SV-1 through SV-5) to depths up to 12 feet bgs in 1997. Petroleum hydrocarbons were detected in soil samples collected from all borings at concentrations up to 8,000 ppm of TPHg and 52 ppm of benzene. Soil vapor samples from these borings contained up to 50,000 micrograms per liter (µg/l) of TPHg and 65 µg/l of benzene. The highest soil vapor concentrations were encountered in soil between 6 and 10 feet bgs.

In 1999, Chevron contracted GR to remove the dispenser island, sumps, hydraulic hoist, building foundations, trash enclosure, yard lights and asphalt remaining at the site. This work was initiated in September 1999. At that time, GR encountered one 1,000 gallon UST in the area of the former fuel UST pit along the western property boundary, adjacent to Center Street. One 550 gallon waste oil UST was encountered in front of the existing station building situated along the eastern property boundary. One buried 55 gallon steel drum, apparently used as a makeshift UST, was encountered in the vicinity of the hydraulic hoist inside the station building. At that time, work at the site was halted while negotiations between Chevron and the property owner were initiated concerning UST ownership. The USTs were not removed until April 2001. Locations of the former USTs are shown on Figure 2.

On April 12, 2001, GR conducted compliance soil sampling during the removal of one 1,000 gallon gasoline UST, one 550 gallon waste oil UST, the hydraulic hoist and one 55 gallon drum. Two soil samples were collected from beneath the former gasoline UST at approximately 8.5 feet bgs. One soil sample was collected from beneath the former waste oil UST at approximately 8.0 feet bgs. The two soil samples collected from beneath the gasoline UST contained TPHg at 630 and 32 ppm, benzen at 10 and 0.11 ppm, and methyl ten buryl ether (MBE) at not detected and 0.38 ppm. The soil sample collected from beneath the former waste oil UST contained TPHg. TPHd, benzene, MtBE and O&G at 10.0, 3.2, 0.0092, 0.058 and 110 ppm, respectively.

Quarterly monitoring since October 1995 confirms that dissolved hydrocarbons are present in the groundwater. During the November 28, 2001, fourth quarter monitoring and sampling event at the site, DG26145H.4C01

Mr. Barney Chan July 31, 2002 Page 3 of 5

TPHg, benzene, toluene, ethylbenzene, and total xylenes were detected in the groundwater samples collect from well MW-1 at 26,000, 1,300, 3,900, 620 and 3,400 ppb, respectively.

The only other monitoring well that contained hydrocarbon constituents in groundwater was well MW-3, which contained TPHg, benzene, toluene, ethyl-benzene, and total xylenes at 57,000, 10,000, 2,900, 2,900 and 2,800 ppb, respectively. MtBE was not detected in any of the groundwater samples collect during the fourth quarter 2001 monitoring and sample event (GR, November 28, 2001).

In January, 2002, one off-site groundwater monitoring well (MW-8) was installed downgradient of the subject site (Figure 2). Soil and groundwater samples collected during the installation of well MW-8 were analyzed for TPHg, TPHd, benzene, toluene, ethylbenzene, total xylenes (BTEX) and MtBE. In addition, the groundwater samples collected after well MW-8 was developed were analyzed for the following eight fuel compounds: ethanol, tert-butyl-alcohol (TBA), MtBE, di-isopropyl ether (DIPE), ethyl tert- butyl ether (ETBE) tertiary amyl methyl ether (TAME), 1,2-dichloroethane (1,2 DCA) and ethylene dibromide (EDB). The results of the soil chemical analyses were non-detect for all hydrocarbon constituents analyzed.

TPHg, BTEX, MtBE and the eight fuel compounds were not detected in the groundwater samples, however, TPHd were detected at 130 ppb.

The most recent monitoring and sampling event occurred on February 14, 2002. Groundwater samples collected on February 14, 2002, contained TPHg and benzene in concentrations ranging from non-detect (ND) to 1,400 ppb, and ND to 100 ppb respectively. MtBE was not detected in any of the groundwater samples collected on February 14, 2002.

Current Investigation

This work was conducted in the jurisdiction of the Alameda County Public Works Agency (ACPWA). Soil boring activities were conducted under drilling permit number W02-0553, issued on May 28, 2002 by the ACPWA. A copy of the permit is attached. Mr. James Yoo of the ACPWA was notified prior to field work, but was not on-site during advancement or backfilling of the bore holes.

Underground Service Alert (USA) was notified at least 48 hours prior to field work and USA ticket number 0277352 was issued. As a precautionary measure, a private utility locator was contracted to identify utilities near the proposed boring locations. The borings were hand excavated, with a 3-inch diameter hand auger, for the first four feet bgs to insure that no utilities were disturbed.

On June 21, 2002, a GR geologist observed Gregg Drilling Inc. (C57 #485165) advance 23 on-site Geoprobe® soil borings (G-1 through G-23) with a truck mounted rig, at the locations shown on Figure 3. The borings were advanced to approximately 12 feet bgs. Groundwater was not encountered in the borings. The GR geologist prepared logs of the Geoprobe borings, and screened soil samples in the field for the presence of volatile organic compounds using a photoionization detector (PID). Screening data and the depths at which soil samples were collected are presented on the boring logs included with this report. The bore holes were backfilled with native soil from the borings.

Mr. Barney Chan July 31, 2002 Page 4 of 5

The soil samples were handled in accordance with GR's Field Methods and Procedure (attached). In borings G-1 through G-21, Soil samples were collected at the target depths of 5 and 10 feet bgs. In boring G-22 and G-23, soil samples where collected at 2.5, 5, 7.5 and 10 feet bgs. All soil samples were shipped to Lancaster Laboratories in Lancaster Pennsylvania (ELAP #2116). The soil samples collected form borings G-1 through G-21 were analyzed for TPHg (EPA 8015M), BTEX and MtBE (EPA 8021) and total lead (EPA 6010B).

Soil sample collected from boring G-22 were composited and analyzed for TPH hydraulic oil (1PHho) by EPA Method 8015M. BTEX and MtBE by EPA Method 8021, and total lead, cadmium chromium nickel and zinc by EPA Method 6010B. Soil samples collected from boring G-23 were also composited and analyzed for: BTEX and MtBE (EPA 8021), TPHg and TPHd (EPA 8015M), Total Oil and Grease (TOG) and Halogenated Volatile Organic Compounds (HVOC) by EPA Method 8260, Semi-Volatile Organic Compounds (SVOC) by EPA Method 8270, and total lead, cadmium, chromium, nickel and zinc by EPA Method 6010B. These two composited soil samples were analyzed per Allied Waste Companies criteria for disposal characterization.

The analytical results are summarized in Tables 1, 2, and 3 in the attachments with this report. Also attached is a concentration map that shows the boring locations and the sample depths with the corresponding analytical results (Figure 3).

Discussion

Analytical results indicate that the proposed limits of excavation (Delta Environmental Consultants, Inc., Work Plan to Excavate Impacted Soil, dated July 20, 2001) are adequate with the exception of the area near boring G-20 located near the former dispenser island area. This area will be included in the revised proposed limits of excavation (Figure 3). An original estimate of 1,100 cubic yards of soil was to be excavated. The new area adds approximately 80 cubic yards. The new estimate is approximately 1,200 cubic yards of in place soil will be excavated. Based on the analytical results of the soil samples (G-11 through G-14) collected near the western property boundary, the excavation will need to be shored since this is adjacent to the sidewalk.

The excavation of impacted soil is being performed to remove hydrocarbon impacted soil in the vadose zone and to remove as much impact as economically possible within the groundwater smear zone. No additional soil will be excavated other than what is shown on Figure 3. The excavation will terminate at the proposed limits of the excavation. We anticipate excavating soil from this site in late September or early October 2002.

Mr. Barney Chan July 31, 2002 Page 5 of 5

If you have any questions regarding this report, please feel free to call us in our Sacrament Office at (916) 631-1300.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Network Associate GETTLER-RYAN INC.

Andrew Smith Staff Geologist

David W. Herzog

Senior Geologist, R.G. 7211

No. 7211 *

Attachments:

Figure 1 - Vicinity Map

Figure 2 - Site Plan

Figure 3 - Concentration Map

Tables 1, 2 and 3- Soil Sample Chemical Analytical Data

Permit Boring Logs

GR's Field Methods and Procedures Laboratory Analytical Report

c: Ms. Karen Streich, Chevron Products Co., P.O. Box 6004, San Ramon, California 94583

Mr. James Brownell, Delta Environmental, 3164 Gold Camp Drive, Suite 200, Rancho Cordova, CA 95670

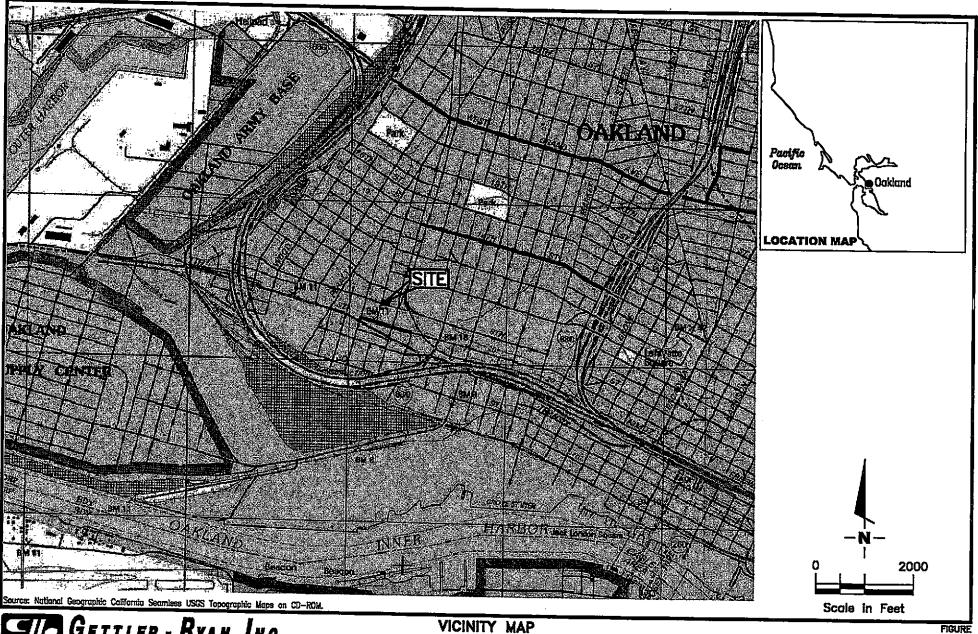
Mr. Eric Holm, Delta Environmental, 3164 Gold Camp Drive, Suite 200, Rancho Cordova, CA 95670

Mr. Terrell Sadler, 618 Brooklyn Avenue, Oakland, CA 94606

Mr. Hollis Rodgers, c/o Mr. Victor Brown, 580 Grand Avenue, Oakland, CA 94610

Mr. Sunil Ramdass, State Water Resources Control Board, Underground Storage Tank Cleanup Fund, 1001

"I" Street, Sacramento, CA 95814





PROJECT NUMBER REDG26145C.4C01

REVIEWED BY

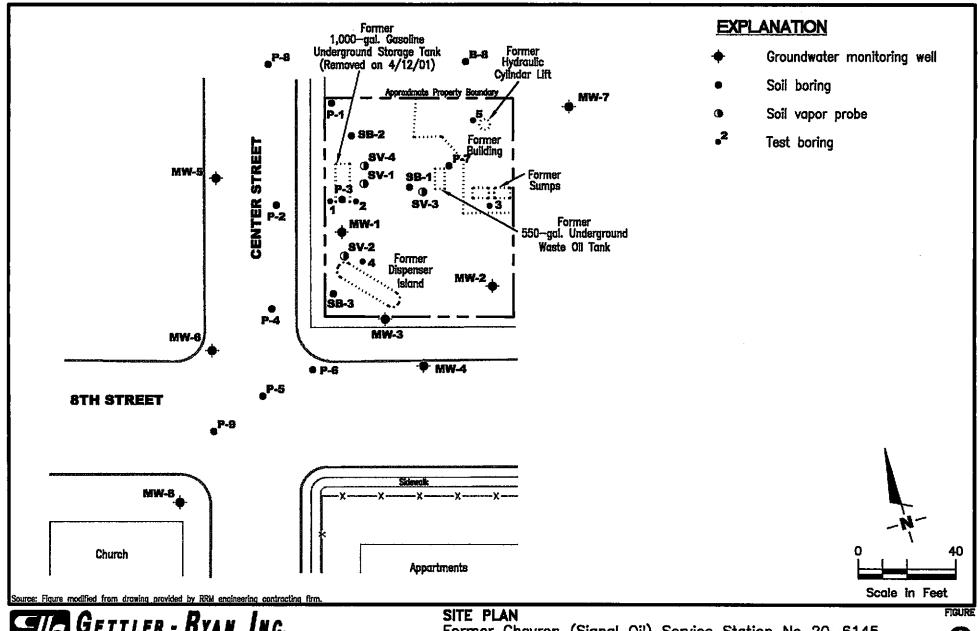
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Former Chevron Service Station No. 20-6145 800 Center Street Oakland, California

DATE 3/02

REVISED DATE

1



GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

Former Chevron (Signal Oil) Service Station No 20-6145 800 Center Street

Oakland, California

PROJECT NUMBER REVIEWED BY
DG26145G.4CT1

DATE 7/02

REVISED DATE

2

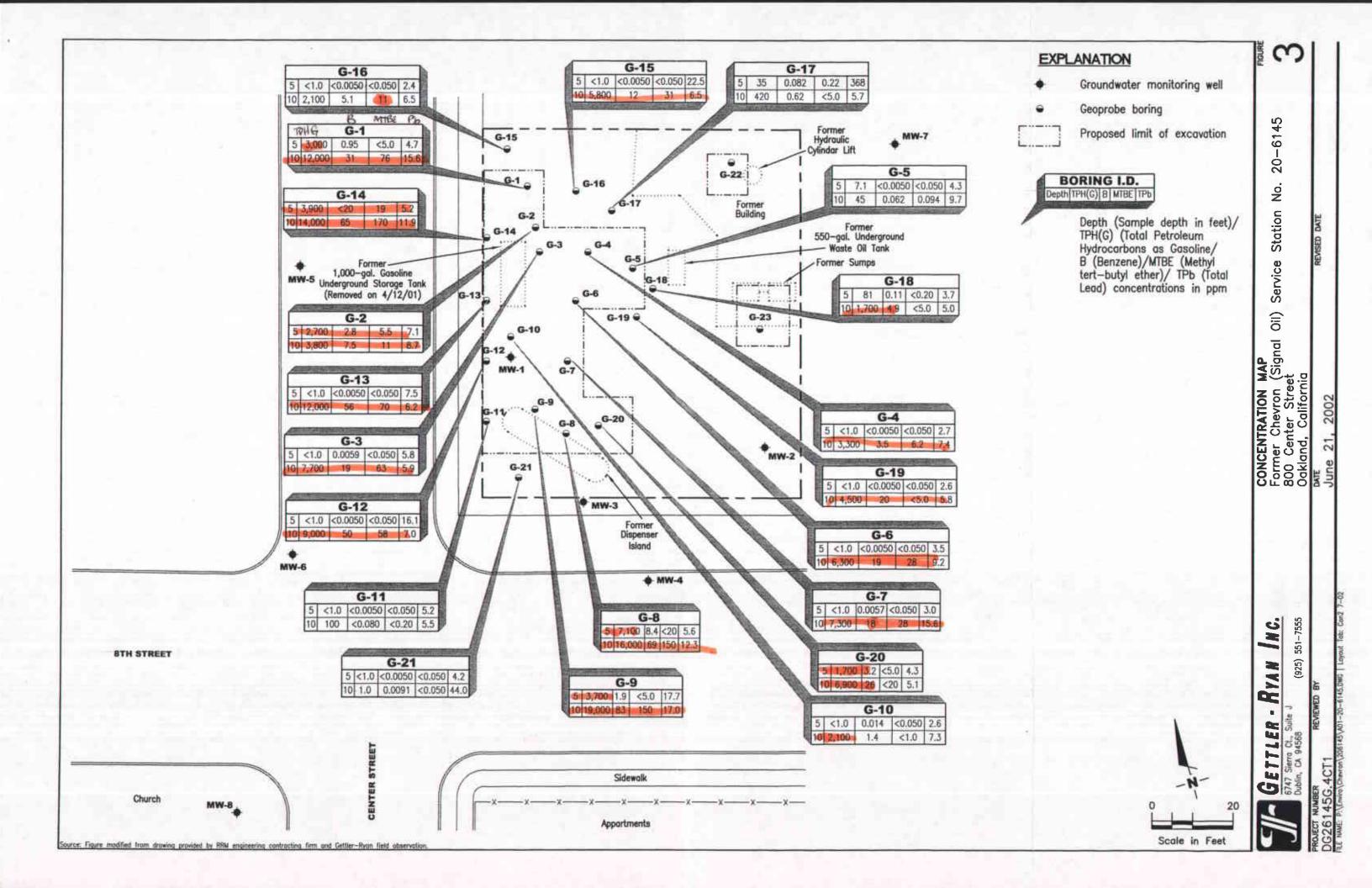


TABLE 1 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145 800 Center Street

Oakland, California

Sample No.	Sample Date	Sample Depth (Feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl- benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)	Total Lead (ppm)
G-15(5)	6/21/2002	5	<1.0	< 0.0050	0.020	< 0.0050	0.017	<0.050	22.5
G-15(3) G-15(10)	6/21/2002	10	5,800	12	320	110	450	31	6.5
G-15(10) G-16(5)	6/21/2002	5	<1.0	< 0.0050	0.015	< 0.0050	< 0.015	< 0.050	2.4
G-16(10)	6/21/2002	10	2,100	5.1	110	52	230	11	6.5
G-17(5)	6/21/2002	5	35	0.082	0.78	0.54	1.2	0.22	368
G-17(10)	6/21/2002	10	420	0.62	9.2	9.9	41	<5.0	5.7
G-18(5)	6/21/2002	5	81	0.11	1.1	0.76	2.6	< 0.20	3.7
G-18(10)	6/21/2002	10	1,700	4.9	68	51	220	<5.0	5.0
G-19(5)	6/21/2002	5	<1.0	< 0.0050	< 0.0050	< 0.0050	< 0.015	< 0.050	2.6
G-19(10)	6/21/2002	10	4,500	20	230	110	450	<5.0	5.8
G-20(5)	6/21/2002	5	1,700	3.2	31	30	140	<5.0	4.3
G-20(10)	6/21/2002	10	6,900	26	360	200	860	<20	5.1
G-21(5)	6/21/2002	5	<1.0	< 0.0050	0.016	< 0.0050	0.016	< 0.050	4.2
G-21(10)	6/21/2002	10	1.0	0.0091	0.18	0.055	0.23	< 0.050	44.0

ANALYTICAL METHOD:

TPHg = Total Petroleum Hydrocarbons as gasoline by EPA Method 8015 modified

Benzene, Toluene, Ethylbenzene and Total Xylenes by EPA method 8021

MTBE = Methyl tert-butyl ether by EPA Method 8021

Total Lead By EPA Mehtod 6010B

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

EXPLANATION:

ppm = parts per million

NR = Not Requested

TABLE 2 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145

800 Center Street Oakland, California

Sample No.	Sample Date	Sample Depth (in feet)	Benzene (ppm)	Toluene (ppm)	Ethyl- benzene (ppm)	Total Xylenes (ppm)	TPHg (ppm)	TPHd (ppm)	TPHho (ppm)	TOG (ppm)	MTBE (ppm)
G-22(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	0.063	0.47	0.28	2.0			8,200		<0.50
G-23(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	<0.0050	0.012	<0.0050	0.017	<1.0	<10		310	<0.050

EXPLANATION:

ppm = parts per million

--- = not analyzed

¹ = Composite Sample

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

ANALYTICAL METHOD:

Benzene, Toluene, Ethylbenzene, and Total Xylenes according to EPA Method 8021

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015M

TPHd = Total Petroleum Hydrocarbons as diesel according to EPA Method 8015M

TPHho = Total Petroleum Hydrocarbons as hydraulic oil according to EPA Method 8015M

TOG = Total Oil and Grease by EPA Method 8260

MTBE = Methyl tert-butyl ether By EPA Method 8021

TABLE 3 - SOIL SAMPLE CHEMICAL ANALYTICAL DATA

Former Chevron Service Station No. 20-6145 800 Center Street

Oakland, California

Sample	Sample	Sample Depths	svoc	HVOC	Soluble Lead ²	Total Cadmium (ppm)	Total Chromium (ppm)	Total Lead (ppm)	Total Nickel (ppm)	Total Zinc (ppm)
No. G-22(2.5,5,7.5,10) ¹	Date 6/21/2002	(in feet) 2.5,5,7.5,10	(ppm) 	(ppm)	(ppm) 4.51	<0.091	37.8	87.1	27.8	52.4
G-23(2.5,5,7.5,10) ¹	6/21/2002	2.5,5,7.5,10	<0.033 - <0.17	<0.0010 - <0.0020		<0.088	41.0	6.7	36.1	23.2

EXPLANATION:

ppm = parts per million

--- = not analyzed

ANALYTICAL METHOD:

SVOC = Semi Volatile Organic Compounds By EPA Method 8270 HVOC = Halogenated Volatile Organic Compounds By EPA Method 8260 Cadmium, Chromium, Lead, Nickel, Zinc By EPA Method 6010B

ANALYTICAL LABORATORY:

Lancaster Laboratories (ELAP #2116)

¹ = Composite Sample

² = STLC (soluble threshold limit concentration)

MAR-05-01 MON 08#49 AM ALAMEDA COUNTY PWA RM239

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ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. RAYWARD CA. 94544-1395 PHONE (510) 670-5554 FAX (510)782-1919

DRILLING PERMIT	APPLICATION
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT STORY 14 CANAL CA	FOR OFFICE USE PERMIT NUMBER WOLL OSS 3 WELL NUMBER
CLIENT Cheuron Products Company Address Po. Box 6008 Phone City Son Kamon 219 7458 3	PERMIT CONDITIONS Circled Permit Requirements Apply A. GENERAL 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to
APPLICANT Her - Rycan TIC. Name Yeller - Rycan TIC. Fax 525 351-7838 Address 5747 Sicre Cf Phone 925-551-7444 City D. L. Ca Zip 94568	A Permit is vote it project not began within 90 days of approval date B. WATER SUPPLY WELLS
TYPE OF PROJECT Well Construction	1. Minimum surface seal thickness is two inches of cornent grout placed by tremic. 2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZONIETERS
PROPOSED WATER SUPPLY WELL USE New Domestic	Minimum surface seal thickness is two inches of coment grout placed by tremic. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. D. CEOTECHNICAL Buckfill bore hole by tremis with coment grout or coment
Mud Ratory U Air Rotary U Auger Cable Outer O Driller's NAME Steel Over 1 Tok. Driller's License No. 657. 486165	grouvs and mixture. Upper two-three feet replaced in kind or with compacted autings. E. CATHODIC Fill hole anode zone with concrete placed by tremit. F. WELL DESTRUCTION Send a map of work site. A separate permit is required for wells deeper than 45 feet.
WELL PROJECTS Drill Hole Diameterin. Maximum Casing Diameterin. DepthR. Surface Seal DepthR. Owner's Well Number	NOTE: One application must be submitted for each well or well described. Multiple borings on one application are acceptable for geolechnical and contamination investigations.
SECTECHNICAL PROJECTS Number of Borings 2 Maximum 10 Hole Dismeter id. Depth 5 1 ESTIMATED STARTING DATE 5/20/02 ESTIMATED COMPLETION DATE 6/31/05	APPROVEDDATEDATE
I hereby agree to comply with all requirements of this penuti and periods County of APPLICANT'S SIGNATURE	inance No. 73.49
PLEASE PRINT NAME Token Sonth Rev.	1-13-00

	MAJOR DI	VISIONS			TYPICAL NAMES
	GRAVELS	CLEAN GRAVELS WITH LITTLE		GW	Well graded gravels with or without sand, little or no fines
SIEVE	MORE THAN HALF	OR NO FINES		GP	Poorly graded gravels with or without sand, little or no fines
SOILS No. 200	IS LARGER THAN NO. 4 SIEVE SIZE	GRAVELS WITH		GM	Silty gravels, silty gravels with sand
AINED SER THAN		OVER 15% FINES		GC	Clayey gravels, clayey gravels with sand
COARSE-GRAINED AN HALF IS COARSER THAN		CLEAN SANDS WITH LITTLE		SW	Well graded sands with or without gravel, little or no fines
COARS	SANDS MORE THAN HALF	OR NO FINES		SP	Poorly graded sands with or without gravel, little or no fines
MORE T	COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE	SANDS WITH OVER 15% FINES		SM	Silty sands with or without gravel
		OVER 15% FINES		SC	Clayey sands with or without gravel
O SIENE	CU TC AN	D 01 110		ML	Inorganic silts and very fine sands, rock flour, silts with sands and gravels
N NO. 200	SILIS AN	D CLAYS		CL	Inorganic clays of low to medium plasticity, clays with sands and gravels, lean clays
FINER THAN NO.				OL	Organic silts or clays of low plasticity
HALF IS FINER THA	SILTS AN	D CLAYS		мн	Inorganic silts, micaceous or diatomaceous, fine sandy or silty soils, elastic silts
HA.	LIQUID LIMIT GREA	ater than 50%		СН	Inorganic clays of high plasticity, fat clays
MORE				ОН	Organic silts or clays of medium to high plasticity
HIG	GHLY ORGANIC	SOILS		PT	Peat and other highly organic soils
P	PID Volatile	vapors in ppm			Observed contact
		round surface			Inferred contact
(2.5YF		or according to M or Charts (1993		ı	No soil sample recovered
BLOW	4	drive hammer we	-		"Undisturbed" sample
	140 por Blows re	unds falling 30 in equired to drive s are indicated on t	ches. ampler		 ∇ First encountered groundwater level ∇ Static groundwater level
9/2	GETTLER	- RYAN IN	C.		UNIFIED SOIL CLASSIFICATION ASTM D 2488-85

6747 Sierra Ct., Suite J Dublin, CA 94568 (925) 551-7555

AND
KEY TO SAMPLING DATA

	6	Settle	r–Ry	an, I	nc.	Log of Boring G-1		
PROJ	ECT:	Former (Chevroi	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland,	California	
GR P	ROJEC	T NO.:	DG2614	5G.4CT1		SURFACE ELEVATION:		
DATE	STA	RTED: 0	6/21/02	2		WL (ft. bgs): DATE: TIME	•	
DATE	E FINI	SHED: (06/21/0	2	····	WL (ft. bgs): DATE: TIME		
DRIL	LING	METHOD:	2 in. (Seoprobe		TOTAL DEPTH: 12 feet		
		COMPANY:		g Drilling	±111	GEOLOGIST: Andrew Smith		
DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.			GEOLOGIC DESCRIPTION	REMARKS	
2- 4-	31	G-1 (5)		SP-SM	Asphalt - 2 inches the POORLY GRADED SAN (7.5YR 5/8), dry, loos	ick. ID WITH SILT (SP-SM) - strong brown se; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface. Hand augered to 5 - feet bgs.	
6-		, ,		SP-SM	75% fine sand, 25% si	dark grayish brown (10YR 4/2), moist, dense; lt. ID WITH SILT (SP-SM) — strong brown edium dense; 90% fine sand, 10% silt.		
10-	256	G-1 (10)			Bottom of boring at	12 feet bgs.		
14-							_	

	(Gettle	r-	Rya	an, I	nc.	Log of Boring G	-2
PRO	JECT:	Former	Chev	ron :	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland	California
GR P	ROJE	CT NO.:	DG2	6145	G.4CT1		SURFACE ELEVATION:	
DAT	E STA	ARTED: C	06/21	/02			WL (ft. bgs): DATE: TIME	<u> </u>
DAT	E FIN	ISHED: 0	03/2	1/02			WL (ft. bgs): DATE: TIME	
DRIL	LING	METHOD:	2 ii	n. Ge	oprobe		TOTAL DEPTH: 12 feet	- , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
DRIL	LING	COMPANY	: G	regg	Drilling		GEOLOGIST: Andrew Smith	·
OEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS
	_		<u> </u>	 	SP	Asphalt - 2 inches th	sick.	_
2-					54		ID (SP) - strong brown (7.5YR 5/6), moist.	Boring backfilled with neat cement to ground surface.
4-	39	6-2 (5)				Color changes to gra	yish brown (10YR 5/2).	Hand augered to 5 -
6 -						Color changes to stro	ong brown (7.5YR 5/6).	-
10	175	G-2 (10)	-					-
12-			-			Bottom of boring at 12	2 feet bgs.	
		ED: OG2						

2 with neat cement to ground surface		G	Settle	r-R	yan, II	nc.	Log of Boring	G-3
DATE STARTED: 06/21/02 DATE FINISHED: 06/21/02 ML (ft. bgs): DATE: TIME: DATE STARTED: 0ATE: TIME: DATE FINISHED: 0ATE: TIME: DATE FINISH	PROJ	ECT:	Former (Chevro	n Service	Station No. 20-6145	LOCATION: 800 Center Street, Oaklai	nd, California
DRILLING METHOD: 2 in. Geoprobe TOTAL DEPTH: 12 feet DRILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith GEOLOGI	GR PI	ROJEC	T NO.:	DG261	45G.4CT1		SURFACE ELEVATION:	
DRILLING METHOD: 2 in. Geoprobe DRILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith GEOLOGIC DESCRIPTION REMARKS O	DATE	STAI	RTED: O	6/21/0	02		WL (ft. bgs): DATE: TI	IME:
DRILLING METHOD: 2 in. Geoprobe DRILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith GEOLOGIC DESCRIPTION REMARKS O						· · - · ·		IME:
DRILLING COMPANY: Grego Drilling GEOLOGIST: Andrew Smith REMARKS SP-SM								
GEOLOGIC DESCRIPTION REMARKS Color changes to dark greenish gray (Gley 1, 4/50Y), SM Silt. SM SM SM SM SM SM SM S	DRIL	LING (COMPANY:	Gre	gg Drilling		GEOLOGIST: Andrew Smith	
POORLY GRADED SAND WITH SILT (SP-SW) - strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt. Boring backfilled with neat cement to ground surface Color changes to dark greenish gray (Gley 1, 4/5GY), SM SILTY SAND (SM) - reddish brown (SYR 4/4), smedium dense; 75% fine sand, 25% silt. 8- 8- 8- 8- 8- 10- 38 6-3 (10)		(mdd)		Ē,			GEOLOGIC DESCRIPTION	REMARKS
8- 10- 38 G-3 (10)	2-	16	G-3 (5)		SP-SM	POORLY GRADED SAN (7.5YR 5/6), dry, loo	ID WITH SILT (SP-SM) - strong brown se; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.
	10-	38	G-3 (10)		SM			

	6	Settle	r–Ry	an, Ir	nc.	Log of Boring G	-4
PROJ	ECT:	Former (Chevron	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland,	California
GR PI	ROJEC	T NO. :	DG2614	5G.4CT1		SURFACE ELEVATION:	
DATE	STA	RTED: O	6/21/02	?		WL (ft. bgs): DATE: TIME	:
DATE	FINI	SHED: C	6/21/0	2		WL (ft. bgs): DATE: TIME	:
DRIL	LING	METHOD:	2 in. G	eoprobe		TOTAL DEPTH: 12 feet	
DRIL	LING	COMPANY:	Greg	g Drilling		GEOLOGIST: Andrew Smith	
DEPTH (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS
_			99.	SP-SM	Asphalt - 2 inches th		
2-			38338383838383 -		POORLY GRADED SAN (7.5YR 5/6), dry, loo	ID WITH SILT (SP-SM) — strong brown se; 90% fine sand, 10% silt.	Boring backfilled - with neat cement to ground surface.
4-	10	G-4 (5)					Hand augered to 5 feet bgs.
6-				SM	·	rk greenish gray (Gley t, 4/5GY), reddish brown (5YR 4/4), moist, medium t, 25% silt.	
8-							_
10-	278	6-4 (10)					-
12-	-			<u> </u>	Bottom of boring at	12 feet bgs.	
14- J0B	NUME	BER: <i>DG.</i>		6.4CT1			Page 1 of i

		Gettle	r–Ry	an, I	nc.	Log of Borin	ng G-5
PRO	JECT:	Former	Chevron	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oa	akland California
		CT NO.:				SURFACE ELEVATION:	
DATE	E STA	ARTED: C	06/21/02			WL (ft. bgs): DATE:	TIME:
		ISHED: (_		WL (ft. bgs): DATE:	TIME:
		METHOD:				TOTAL DEPTH: 12 feet	
DRIL	LING	COMPANY	: Grego	Drilling		GEOLOGIST: Andrew Smith	· · · · · · · · · · · · · · · · · · ·
ОЕРТН (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS	G	EOLOGIC DESCRIPTION	REMARKS
			991	SP-SM.	Asphalt - 2 inches thic	·k.	
2-			-		POORLY GRADED SAND	WITH SILT (SP-SM) - strong brown ; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.
6-	12	G-5 (5)	- 1000000000000000000000000000000000000				Hand augered to 5 - feet bgs.
8-							
10-	291	G-5 (10)			Bottom of boring at 12	feet bgs.	<u>-</u>
14-		EB. NGO					

	(Gettle	r–Ry	an, I	nc.	Log of Boring G-6			
PRO	JECT:	Former	Chevron	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oaklai	nd California		
		CT NO.:				SURFACE ELEVATION:	ra, cairornia		
DAT	E STA	RTED: C	06/21/02				IME:		
DAT	E FIN	ISHED: (06/21/02	·			ME:		
DRIL	LING	METHOD:	2 in. 6	eoprobe	· · · · · · · · · · · · · · · · · · ·	TOTAL DEPTH: 12 feet			
DRIL	LING	COMPANY	Grego	Drilling		GEOLOGIST: Andrew Smith			
DEРТН (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	L CLASS	G	EOLOGIC DESCRIPTION	REMARKS		
0EF (fe	αιd	SAN	SAN	SOIL			ļ		
2				SP-SM	Asphalt - 2 inches thic POORLY GRADED SAND (7.5YR 5/6), dry, loose	sk. NWITH SILT (SP-SM) - strong brown e; 90% fine sand, 10% silt.	Boring backfilled with neat cement to ground surface.		
4	100	G-6 (5)					Hand augered to 5 - feet bgs.		
8-	>1000	G-6 (10)					_		
12-					Bottom of boring at 12 f	eet bgs.			
14-			-]		
JOB N	UMBE	R: <i>DG20</i>	8145G A	CTI			Page 1 of 1		

	Gettle	r-Ryan, Ir	IC.	Log of Boring G-7			
PROJEC	CT: Former (Chevron Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland,	California		
		DG26145G.4CT1	•	SURFACE ELEVATION:			
	STARTED: 0			WL (ft. bgs): DATE: TIME	:		
	FINISHED: (WL (ft. bgs): DATE: TIME	:		
		2 in. Geoprobe		TOTAL DEPTH: 12 feet			
		Gregg Drilling		GEOLOGIST: Andrew Smith			
E P	PID (ppm) SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS		
2- 4- 6- 8- 10-	24 G-7 (5) 357 G-7 (10)	SP-SM		dark brown (7.5YR 3/3), medium dense; silt.	Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.		

Gettler-Ryan, Inc.						nc.	Log of Boring G	6-8
PROJ	ECT:	Former	Chev	ron S	Service	Station No. 20-6145	LOCATION: 800 Center Street, Oakland	d, California
GR P	ROJEC	T NO. :	DG2	31 45 G	5.4CT1		SURFACE ELEVATION:	
DATE	STA	RTED: 0	6/21	/02			WL (ft. bgs): DATE: TIM	E:
DATE	FINI	SHED: (26/2	/02			WL (ft. bgs): DATE: TIM	E:
DRIL	LING I	METHOD:	2 iI	n. Ged	pprobe		TOTAL DEPTH: 12 feet	
DRIL	LING	COMPANY:	: Gi	egg .	Drilling		GEOLOGIST: Andrew Smith	
DЕРТН (feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	(GEOLOGIC DESCRIPTION	REMARKS
2 4 8 10-	36.1	G-8 (5)	5		SM SP-SM	sand, 25% silt.	D WITH SILT (SP-SM) - dark brown (7.5YR ense; 90% fine sand, 10% silt, trace gravel.	Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.
14								

	Gettle	er–F	Ryan,	Inc.	Log of Boring (S-9		
PROJECT	: Former	Chevi	ron Servic	e Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
	ECT NO.:				SURFACE ELEVATION:	u, Cairornia		
DATE ST	ARTED: 4	06/21/	02	N. Comments	WL (ft. bgs): DATE: TIM	<u> </u>		
DATE FI	NISHED:	06/21,	/02		WL (ft. bgs): DATE: TIM			
DRILLING	METHOD:	2 in.	. Geoprot	oe	TOTAL DEPTH: 12 feet	1E.		
	COMPANY				GEOLOGIST: Andrew Smith			
DEPTH (feet) PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG SOIL CLASS	G	SEOLOGIC DESCRIPTION	REMARKS		
			SM	Asphalt - 2 inches thic SILTY SAND (SM) - gr fine sand, 20% silt.	ck. rayish brown (10YR 5/2), moist, loose; 80%	Boring backfilled with neat cement to ground surface.		
4-	G-9 (5)		M	CHT (W)		Hand augered to 5 feet bgs.		
8-		-	ML SP	POORLY GRADED SAND	(SP) - strong brown (7.5VR 5/6) moist			
-	G-9 (10)			medium dense; 95% fine	sand, 5% silt.			
2-			*	Bottom of boring at 12 fe	eet bgs.	-		
4-	 ER: <i>DG26</i>					-		

PROJECT: Former Chevron Service Station No. 20-6145 LOCATION: 800 Center Street, Oakland, California	Gettler-Ryan, Inc.	Log of Boring G-10				
GR PROJECT NO. :	PROJECT: Former Chevron Service Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California				
DATE FINISHED: 08/21/02 ML (ft. bgs): DATE: TIME: DRILLING METHOD: 2 in. Geoprobe TOTAL DEPTH: 12 feet GEOLOGIST: Andrew Smith GEOLOGIST: Andrew Smith GEOLOGIST: Andrew Smith REMARKS FOREY GRADED SAND NITH SILT (SP-SM) - strong brown (7.5 YR 5/6), dry, loose; 90% fine sand, 10% silt. Bridge Sand Sand Sand Sand Sand Sand Sand Sand						
DRILLING METHOD: 2 in. Geoprobe DRILLING COMPANY: Gregg Drilling GEOLOGIC DESCRIPTION REMARKS GEOLOGIC DESCRIPTION REMARKS GEOLOGIC DESCRIPTION REMARKS FOORLY GRADED SAND WITH SLIT. (SP-SM) - strong brown (7.5YR 5/6), dry, loose, 80% fine sand, 10% slit. Hand augered to 5 feet bigs.	DATE STARTED: 06/21/02	WL (ft. bgs): DATE: TIME:				
DRILLING COMPANY: Gregg Drilling GEOLOGIST: Andrew Smith	DATE FINISHED: 06/21/02	,				
SP-5M SP-5						
SP-SM SP-SM POORLY GRADED SAND WITH SILT (SP-SM) - strong brown (7.5 YR 6/6), dry, loose; 90% fine sand, 10% silt. Bering backfilled with neat cement to ground surface.		GEOLOGIST: Andrew Smith				
POORLY GRADED SAND WITH SILT (SP-SM) – strong brown (7.5YR 5/6), dry, loose; 90% fine sand, 10% silt. 8-107 6-10 (5) 8-10 (6) 8-10 (10)						
	2	SAND WITH SILT (SP-SM) – strong brown loose; 90% fine sand, 10% silt. Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.				

Gettler-Ryan, Inc.						Log of Boring G-11			
	3.T. /	ormor (havron	Service (Station No. 20-6145	LOCATION: 800 Center Street, Oakland, California			
				15G.4CT1	7.80077101.20 01.40	SURFACE ELEVATION:			
		ED: 00				WL (ft. bgs); DATE: TIM	E:		
		HED: O				WL (ft. bgs): DATE: TIM	E:		
				Geoprobe		TOTAL DEPTH: 12 feet			
		MPANY:		gg Drilling		GEOLOGIST: Andrew Smith			
(feet)	PID (ppm)	SAMPLE NUMBER	SAMPLE INT.	SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS		
2- 4- 6- 8- 10-	154	G-11 (10		SP SW	Color changes to s WELL-GRADED SAM medium dense; 95%	ND (SP) - dark brown (7.5YR 3/3), moist, ine sand, 5% silt. trong brown (7.5YR 5/6). ND (SW) - dark brown (7.5YR 3/3), moist, sand, 5% silt.	Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.		
12-					Bottom of boring	at 12 feet bgs.			

G	ettler	-Rya	an, Inc	1 1g	Log of Boring G-12		
				ation No. 20-6145	LOCATION: 800 Center Street,	, Oakland, t	California
NUMBER IS OF STREET	Former CI	1G261451	3.4CT1		SURFACE ELEVATION:		
	RTED: 06				WL (ft. bgs): DATE:	TIME:	
	SHED: 06				WL (ft. bgs): DATE:	TIME:	. <u> </u>
SITTING M	METHOD:	2 in. Ge	oprobe		TOTAL DEPTH: 12 feet		
	COMPANY:				GEOLOGIST: Andrew Smith		
(md	SAMPLE NUMBER	SAMPLE INT.	1 1		GEOLOGIC DESCRIPTION		REMARKS
(teet) 2 4 6 10 10 12 12 12 1	G-12 (5		1105 5	POORLY GRADED SAM (7.5YR 5/6), moist, m	ND WITH SILT (SP-SM) - strong brown medium dense; 90% fine sand, 10% silt.	n	Boring backfilled with neat cement to ground surface. Hand augered to feet bgs.

Gettler-Ryan, Inc.	Log of Boring G-13				
ROJECT: Former Chevron Service Station No. 20-6	6145 LOCATION: 800 Center Street, Oakland, California	LOCATION: 800 Center Street, Oakland, California			
R PROJECT NO.: DG261456.4CT1	SURFACE ELEVATION:				
ATE STARTED: 06/21/02	WL (ft. bgs): DATE: TIME:				
ATE FINISHED: 06/21/02	WL (ft. bgs): DATE: TIME:				
RILLING METHOD: 2 in. Geoprobe	TOTAL DEPTH: 12 feet				
RILLING COMPANY: Gregg Drilling	GEOLOGIST: Andrew Smith				
SAMPLE NUMBER SAMPLE INT. GRAPHIC LOG SOIL CLASS	GEOLOGIC DESCRIPTION REMARK	KS .			
DOOR V CDAF	DED SAND WITH SILT (SP-SM) - strong brown				
2— (7.5YR 5/6),	moist, medium dense; 90% fine sand, 10% silt. Boring backfi with neat cem to ground sur	ment			
4— G-13 (5)	Hand augere feet bgs.	ed to f			
8-					
10- G-13 (10)					
12— Bottom of	f boring at 12 feet bgs.				
14	Pa	age I			

Gettler-Ryan	, Inc.	Log of Boring G-14		
ROJECT: Former Chevron Se	rvice Station No. 20-6145	LOCATION: 800 Center Street,	Oakland, California	
ROJECT: Former Chevron Ser	ACTI	SURFACE ELEVATION:		
R PROJECT NO. : DG261456.4		WL (ft. bgs): DATE:	TIME:	
ATE STARTED: 06/21/02 ATE FINISHED: 06/21/02		WL (ft. bgs): DATE:	TIME:	
RILLING METHOD: 2 in. Geog	probe	TOTAL DEPTH: 12 feet		
RILLING METHOD: 2 m. 500) RILLING COMPANY: Gregg D	rilling	GEOLOGIST: Andrew Smith		
pm) E NUMBER EINT.	CLASS	GEOLOGIC DESCRIPTION	REMARKS	
(teet) 2- 4- 6-14 (5) 6- 8- 10- 10- 12-	Color changes to	ND WITH SILT (SP-SM) - strong brown ose; 90% fine sand, 10% silt. dark brown (7.5YR 3/3),	Boring backfilled with neat cement to ground surface feet bgs.	
	Bottom 3. bottom	~		

Gettler-Ryan, Inc.		Log of Boring G-15		
JECT: Former Chevron Service Station No. 20-614	5 LOCATION: 800 Center Street, Oakland	i, Calitornia		
JECT: Former Uneviol Service Station No. 25	SURFACE ELEVATION:			
PROJECT NO.: D626145G.4CT1	WL (ft. bgs): DATE: TIM			
TE STARTED: 06/21/02	WL (ft. bgs): DATE: TIM	1E:		
TE FINISHED: 06/21/02	TOTAL DEPTH: 12 feet			
[LLING METHOD: 2 in. Geoprobe	GEOLOGIST: Andrew Smith			
SAMPLE NUMBER SAMPLE NUMBER SAMPLE INT. SOIL CLASS SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS		
SAMPL (PO SOIL CO CONTROL OF CONT	debirs and trace brick.			
2— 4— G-15 (5) SM SILTY SAND 75% fine sar	ED SAND WITH SILT (SP-SM) - dark brown (7.5YR dium dense; 90% fine sand, 10% silt. es to light olive brown (2.5Y 4/3). (SM) - dark brown (7.5YR 3/3), moist, medium dense nd, 25% silt.	Boring backfilled with neat cement to ground surface. Hand augered to feet bgs.		
12—Bottom of		Pag		

Duen Inc.	Log of Boring G-16			
Gettler-Ryan, Inc.	LOCATION: 800 Center Street, Oakland, California			
DECT: Former Chevron Service Station No. 20-6145	FIRE ELEVATION:			
PROJECT NO.: DG26145G.4CTI	DATE:			
PROJECT NO. : DOZZI TE STARTED: 06/21/02	WI (ft bas): DATE:	MC.		
== ETNICHED: 06/21/02	TOTAL DEPTH: 12 feet			
THE FINISHE THOD: 2 in. Geoprobe	GEOLOGIST: Andrew Smith			
ILLING COMPANY: Gregg Drilling		OFMARKS		
E INT. E INT. CLASS	AND WITH SILT (SP-SM) - strong brown oose; 90% fine sand, 10% silt.	REMARKS		
2-16 (5) 6-16 (10) G-16 (10)	boring at 12 feet bgs.	Boring backfilled with neat cement to ground surface. Hand augered to feet bgs.		
14-		Pa		

Gettler-Ryan, Inc.	Log of Boring (
	LOCATION: 800 Center Street, Oaklan	nd, California
DJECT: Former Chevron Service Station No. 20-6145	SURFACE ELEVATION:	
PROJECT NO.: DG261456.4CT1	WL (ft. bgs): DATE: T	IME:
TE STARTED: 06/21/02	WL (ft. Dgs):	IME:
TE FINISHED: 06/21/02	TOTAL DEPTH: 12 feet	
ILLING METHOD: 2 in. Geoprobe RILLING COMPANY: Gregg Drilling	GEOLOGIST: Andrew Smith	
NT. LOG	GEOLOGIC DESCRIPTION	REMARKS
SAMPLE N SAMPLE II GRAPHIC SOIL CLA		
SAMPL (feet)	SAND WITH SILT (SP-SM) - strong brown	
SP-SM POORLY GRADED (7.5YR 5/8), dry,	loose; 90% fine sand, 10% silt.	
		Boring backfilled with neat cement to ground surfact
2— Includes brick for	ragments.	
6— 6—		Hand augered t feet bgs.
8-		
10- >1000 G-17 (10)		
12— Bottom of bo	oring at 12 feet bgs.	Pag

Gettler-Ryan, Inc.		Log of Boring G-18		
ROJECT: Former Chevron Service Sta	tion No. 20-6145	LOCATION: 800 Center Street, Oak	land, California	
		SURFACE ELEVATION:		
1110022		WL (ft. bgs): DATE:	TIME:	
ATE STARTED: 06/21/02		WL (ft. bgs): DATE:	TIME:	
ATE FINISHED: 06/21/02 RILLING METHOD: 2 in. Geoprobe		TOTAL DEPTH: 12 feet		
RILLING METHOD. 2 III. Ocopyoge RILLING COMPANY: Gregg Drilling		GEOLOGIST: Andrew Smith		
E NUMBER E INT.		GEOLOGIC DESCRIPTION	REMARKS	
SAMPL SAMPL GRAPL SOIL	POORLY GRADED SA	AND WITH SILT (SP-SM) - strong brown		
SP-SM	(7.5YR 5/6), dry, lo	oose; 90% fine sand, 10% silt.		
			Boring backfilled with neat cement to ground surfact	
2		olive brown (2.5Y 4/3),	Hand augered ti feet bgs.	
8- 10- 6-18 (10)	Color changes to	o strang brown (7.5YR 5/6),		
12-	Bottom of bori	ng at 12 feet bgs.		
1 4 1 1 1				

Ge	ettl e r-	-Ry	an, Inc		Log of Boring G-19		
	0	01/200	Service St	ation No. 20-6145	LOCATION: 800 Center Street, Oakland,	California	
ROJECT: /	Former Un	2061/1	SG ACTI		SURFACE ELEVATION:		
R PROJECT	NO.: DO	121/02	90.4017		WL (ft. bgs): DATE: TIME		
ATE STAR	IEU: 007	/21/02			WL (ft. bgs): DATE: TIME		
ATE FINIS	HEU: OO	2 in G	eoprobe		TOTAL DEPTH: 12 feet		
			g Drilling		GEOLOGIST: Andrew Smith		
RILLING C	- m	SAMPLE INT.			GEOLOGIC DESCRIPTION	REMARKS	
(feet)	SAN	SAI	SP-SM	Asphalt - 2 inches POORLY GRADED SA moist, loose; 90% fin	AND MITH SILL (SP-SM) - DIOMIN (110111 - 1111	Boring backfilled with neat cement to ground surface.	
4- 6- 8- 10- 12-	G-19 (5)		SM	dense; /5% time sa	ng at 12 feet bgs.	Hand augered to feet bgs.	
14-		DC2	6145G.4CT	1		Page	

Gettler-Ryan, Inc. PROJECT: Former Chevron Service Station No. 20-6145		Log of Boring G-20		
		LOCATION: 800 Center Stree	, Oakland, Calit	fornia
		LOCATION: 800 CENTER SHATION:		
Former Chevron Service Station 190		SURFACE ELEVATION: DATE:	TIME:	
PROJECT NU. : DOZZ		WL (ft. Dgs):	TIME:	
CTARTELL OUTEN		WL (ft. bgs): DATE: TOTAL DEPTH: 12 feet		
		GEOLOGIST: Andrew Smith		
DRULING METHOU: 2 ""		GEOLOGIST: //		
OBILLING COMPANY. 07093			1	REMARKS
SAMPLE NUMBE SAMPLE NUMBE SAMPLE INT. SAMPLE INT. SOIL CLASS	shalt - 2 inche DRLY GRADED se; 95% fine s	s thick. SAND (SP) - dark brown (7.5YR 3/3), and, 5% silt.	moist.	Boring backfilled with neat cement to ground surtace.
2-1 4- 6-20 (5) 6- 8- >1000 10- G-20 (10)	Color chan	es to olive brown (2.5Y 4/3). ges to dark brown (7.5YR 3/3). m of boring at 12 feet bgs.		Hand augered to 5 feet bgs.

Gettler-Ryan, Inc.		Log of Boring G-21		
		LOCATION: 800 Center Street, Oakland, California		
ROJECT: Former Chevron Service Station No. 20-6145		SURFACE ELEVATION:		
R PROJECT NO.: DG26145G.4CT1		WL (ft. bgs): DATE: TIM		
ATE STARTED: 06/21/02		WL (ft. bgs): DATE: TIN	ME:	
ATE FINISHED: 03/21/02		TOTAL DEPTH: 12 feet		
RILLING METHOD: 2 in. Geoprobe		GEOLOGIST: Andrew Smith		
RILLING COMPANY: Gregg Drilling		VI-VI-	1	
SAMPLE NUMBER SAMPLE INT. GRAPHIC LOG SOIL CLASS		GEOLOGIC DESCRIPTION	REMARKS	
2-		Sthick. SAND (SP) - strong brown (7.5YR 5/6), moist, fine sand, 10% silt.	Boring backfilled with neat cement to ground surface. Hand augered to 5 feet bgs.	

	Log of Boring G-22		,
Gettler-Ryan, Inc.	Sector Street	, Oakland, California	1
GETTE: 30-6145	LOCATION: 800 Center Street		1
OJECT: Former Chevron Service Station No. 20-6145	SURFACE ELEVATION: DATE:	TIME:	1
PROJECT NO.: D6261456.4CT1	WL (ft. bgs).	TIME:	1
PROJECT NO.:	WI (ft. Dgs).		1
(TE STAITTER) 06/21/02	TOTAL DEPTH: 11 feet		7
TE PINION 2 in. Geoprobe	GEOLOGIST: Andrew Smith		1
RILLING METHOD: RILLING COMPANY: Gregg Drilling		REMARKS	1
BILLING STATES	GEOLOGIC DESCRIPTION		1
SAMPLE INT. SAMPLE INT. SOIL CLASS SOIL CLASS	GEOFORIC PROPE		{
SAMPLE NU (SOIL CLA SOIL CLA			1
SOIL SOIL		Boring backfilled with neat cement	
SAMPI CODE SAMPI CODE SOII.		lo ground saids	
	r (SP-SM) – dark brown (7.5YR 3/3), m 0% silt.	oist, loose; feet bgs.	1
SAND WITH SIL 90% fine sand, 1	r (SP-SM) - Gark S		_
90% fine salid,			
2-			
6-22 (3.5)			
	•		
	(SP) - strong brown (7.5YR	5/6), moist,	
SP POORLY GRA	DED SAND (SP) - strong brown (7.5YR e; 95% fine sand, 5% silt.		
G-22 (5)	· -		
6-22 (0)			
8 - 18 G-22 (7.5) Color cha	anges to olive brown (2.5Y 4/3).		
To local and the control of the cont	-		
10-			
	at It feet bas.		
Bottom	of boring at 11 feet bgs.		
12-			
1"			
	_		Ρ

a Wes-Pyan Inc.	Log of Boring G-2:	3 alifornia
Gettler-Ryan, Inc.	LOCATION: 800 Center Street, Oakland, Ca	
OJECT: Former Chevron Service Station No. 20-6145	SUBFACE ELEVATION.	
OJECT: Former Chevious	WI (ft. bgs): DATE. TIME:	
PROJECT	WL (ft. bgs): DATE:	
ATE STATUTE	DEPTH: 11 TEEL	
ATE FINISHED: 06/21/02 RILLING METHOD: 2 in. Geoprobe Grego Drilling	GEOLOGIST: Andrew Smith	
RILLING METHOD RILLING COMPANY: Gregg Drilling		REMARKS
E NUMBER HIC LOG	GEOLOGIC DESCRIPTION	
(feet) (feet) SAMPLE SOIL SOIL	1505¢: 75%	Boring backfilled with neat cement
Top soil.) - grayish brown (10YR 5/2), moist, loose; 75%	to ground surese.
SM SILTY SAND (3m) fine sand, 25% sill	. -	teet bgs.
6-23 (5)		
- SOLV GR	ADED SAND (SP) - strong brown (7.5YH 5/6), moses	
8 G-23 (7.5) SP POORLY GR medium den	ADED SAND (SP) - strong brown (7.5YR 5/6), moist, ase; 95% fine sand, 5% silt.	
Color chan	ig e s to diffe 5	
Bottom of	of boring at 11 feet bgs.	Pag



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 812649. Samples arrived at the laboratory on Wednesday, June 26, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			
G-1-S-5-020621	NA	Soil	
G-1-S-10-020621	NA	Soil	
G-2-S-5-020621	NA	Soil	
G-2-S-10-020621	NA	Soil	
G-3-S-5-020621	NA	Soil	
G-3-S-10-020621	NA	Soil	
G-4-S-5-020621	NA	Soil	
G-4-S-10-020621	NA	Soil	
G-5-S-5-020621	NA	Soil	
G-5-S-10-020621	NA	Soil	
G-6-S-5-020621	NA	Soil	
G-6-S-10-020621	NA	Soil	
G-7-S-5-020621	NA	Soil	
G-7-S-10-020621	NA	Soil	
G-8-S-5-020621	NA	Soil	
G-8-S-10-020621	NA.	Soil	
G-9-S-5-020621	NA	Soil	
G-9-S-10-020621	NA	Soil	
G-10-S-5-020621	NA	Soil	
G-10-S-10-020621	NA	Soil	
G-11-S-5-020621	NA	Soil	
G-11-S-10-020621	NA	Soil	
G-12-S-5-020621	NA	Soil	
G-12-S-10-020621	NA	Soil	
G-13-S-5-020621	NA	Soil	
G-13-S-10-020621	NA	Soil	
G-14-S-5-020621	NA	Soil	
G-14-S-10-020621	NA	Soil	
G-15-S-5-020621	NA	Soil	

I I also Manusham
Lancaster Labs Number 3842042
50.20.2
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G-15-S-10-020621

NA

Soil

Lancaster Laboratories

	,. ·	•	
G-16-S-5-020621e q	uality is i	a science	3842072
G-16-S-10-020621	NA	Soil	3842073
G-17-S-5-020621	NA	Soil	3842074
G-17-S-10-020621	NA	Soil	3842075
G-18-S-5-020621	NA	Soil	3842076
G-18-S-10-020621	NA	Soil	3842077
G-19-S-5-020621	NA	Soil	3842078
G-19-S-10-020621	NA	Soil	3842079
G-20-S-5-020621	NA	Soil	3842080
G-20-S-10-020621	NA	Soil	3842081
G-21-S-5-020621	NA	Soil	3842082
G-21-S-10-020621	NA	Soil	3842083

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

Gettler Ryan

Attn: Mr. Greg Gurss

Questions? Contact your Client Services Representative Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

Steven A. Skiles Sr. Chemist





3842042 Lancaster Laboratories Sample No.

Collected:06/21/2002 11:30

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:31

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-1-S-5-020621

NΑ

Soil

Facility# 206145

GRRC

T0600102230 G-1 800 Center St-Oakland

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	4.7	0.93	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of The gasoline constituents eluting prostart time. The analysis for volatiles was prince methanol. The reporting limits a poor surrogate recovery was of perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH-(sample which was ted appropriatel	s preserved y.	mg/kg	5000
02160	BTEX/MTBE					
02174 02177 02178 02182 02199	Benzene Toluene Ethylbenzene Total Xylenes MTBE	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4	0.95 46. 52. 240. N.D.	0.50 0.50 0.50 1.5 5.0	mg/kg mg/kg mg/kg mg/kg mg/kg	2500 2500 2500 2500 2500
02133	The analysis for volatiles was		sample which wa	s preserved		

The analysis for volatiles was performed on a samp in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for methyl t-butyl ether. The presence or concentration of this compound cannot be determined due to the presence of this interferent.





Page 2 of 2

3842042 Lancaster Laboratories Sample No.

Collected:06/21/2002 11:30

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:31

Discard: 07/20/2002

NA

G-1-S-5-020621 Facility# 206145 Soil

GRRC

800 Center St-Oakland T0600102230 G-1

Laboratory Chronicle

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/03/2002 15:31	David K Beck	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/28/2002 07:05	Steven A Skiles	5000
		Method			Steven A Skiles	2500
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 13:33		=
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:23	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/29/2002 07:40	Denise K Conners	1



SW 3842043 Lancaster Laboratories Sample No.

by AS Collected:06/21/2002 11:35

Account Number: 10992

San Ramon CA 94583

ChevronTexaco

Submitted: 06/26/2002 09:15

6001 Bollinger Canyon Rd L4310

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

Soil NA G-1-S-10-020621

GRRC Facility# 206145

800 Center St-Oakland T0600102230 G-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	15.6	0.93	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of TR gasoline constituents eluting pr start time. The analysis for volatiles was p in methanol. The reporting lim: A poor surrogate recovery was ob perform the analysis.	rior to the C6 performed on a its were adjust	(n-hexane) TPH-G sample which was ted appropriately	preserved	mg/kg	20000
02160	BTEX/MTBE					
02174 02177 02178 02182 02199	Benzene Toluene Ethylbenzene Total Xylenes MTBE The analysis for volatiles was in methanol. The reporting lim	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4 performed on a its were adjus	31. 660. 290. 1,100. 76. sample which was ted appropriately	1.0 4.0 1.0 3.0 10. preserved	mg/kg mg/kg mg/kg mg/kg mg/kg	5000 20000 5000 5000 5000

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory	Chronicle

Analysis CAT Analyst Trial# Date and Time Analysis Name Method No.

Dilution Factor



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842043

Collected:06/21/2002 11:35

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-1-S-10-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-1

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/03/2002 15:36 06/28/2002 12:39	David K Beck Steven A Skiles	1 20000
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 14:10	Steven A Skiles	5000
02160	BTEX/MTBE	SW-846 8021B	1	06/28/2002 12:39	Steven A Skiles	20000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:24	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/29/2002 07:40	Denise K Conners	1



Lancaster Laboratories Sample No. 3842044

Collected:06/21/2002 12:00

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

NA

G-2-S-5-020621

02177

02178

02182

02199

No.

Toluene

Ethylbenzene

Total Xylenes

Soil

Facility# 206145 800 Center St-Oakland

T0600102230 G-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	7.1	0.90	mg/kg	1
01726	TPH-GRO - Soils					·
01727	TPH-GRO - Soils The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim A poor surrogate recovery was o perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH- sample which wa ted appropriatel	GRO range s preserved y.	₩g/kg	5000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	2.8	0.50	mg/kg	2500

84.

77.

310.

GRRC

5.5 1634-04-4 MTBE The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

108-88-3

100-41-4

1330-20-7

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT

Method

Analysis Trial# Date and Time

0.50

0.50

1.5

5.0

Analyst

Dilution Factor



Analysis Name

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681 2500

2500

2500

2500

mg/kg

mg/kg

mg/kg

mg/kg



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842044

Collected:06/21/2002 12:00

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-2-S-5-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-2

02000	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/03/2002 15:41 06/28/2002 07:42	David K Beck Steven A Skiles	1 5000
01150	BTEX/MTBE	SW-846 8021B	1	06/27/2002 16:39	Steven A Skiles	2500
	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:25	Stephanie A Selis	n.a.
	SW SW846 ICP Digest	SW-846 3050B	1	06/29/2002 07:40	Denise K Conners	1



3842045 Lancaster Laboratories Sample No. SW

Collected:06/21/2002 12:05

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

G-2-S-10-020621

Soil NA

Facility# 206145 800 Center St-Oakland

T0600102230 G-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	8.7	0.92	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim	rior to the C6 performed on a its were adjus	(n-hexane) TPH-G sample which was ted appropriately	RO range preserved	mg/kg	5000
	A poor surrogate recovery was o perform the analysis.	bserved due to	the dilution nee	eded to		
02160	BTEX/MTBE					
22274	P	71-43-2	7.5	0.10	mg/kg	500
02174	Benzene	108-88-3	200.	1.0	mg/kg	5000
02177	Toluene		120.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4		3.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	500.	1.0	mg/kg	500
02199	MTBE	1634-04-4	11.	1.0		200

GRRC

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Method

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis

Trial# Date and Time

Analyst

Dilution Factor



Analysis Name

CAT

No.

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. 3842045

Collected:06/21/2002 12:05

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

G-2-S-10-020621

Soil NA

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-2

1 06/28/2002 08:19 Steven A Ski	iles 5000
1 06/27/2002 17:16 Steven A Ski 1 06/28/2002 08:19 Steven A Ski 1 06/27/2002 04:26 Stephanie A 1 06/29/2002 08:10 Denise K Cor	iles 5000 Selis n.a.
	1 06/28/2002 08:19 Steven A Ski



3842046 Lancaster Laboratories Sample No.

Collected:06/21/2002 12:20

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-3-S-5-020621

Soil NA

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor		
01655	Lead	7439-92-1	5.8	0.92	mg/kg	1		
01726	TPH-GRO - Soils							
01727	TPH-GRO - Soils n.a. N.D. 1.0 mg/kg 25 The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range							
	start time. The analysis for volatiles was print methanol. The reporting limits	performed on a	sample which was	preserved				
02160	BTEX/MTBE							
02174	Benzene	71-43-2	0.0059	0.0050	mg/kg	25		
02177	Toluene	108-88-3	0.049	0.0050	mg/kg	25		
02178	Ethylbenzene	100-41-4	0.016	0.0050	mg/kg	25		
02182	Total Xylenes	1330-20-7	0.057	0.015	mg/kg	25		
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25		
	The analysis for volatiles was p	performed on a	sample which was	preserved				
	in methanol. The reporting limit	its were adjust	ted appropriately	<i>r</i> .				

03 M		Laboratory	Chro	nicle Analysis		Dilution
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
NO. 01655	Lead	SW-846 6010B	1	07/02/2002 14:50	David K Beck	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/28/2002 04:36	Steven A Skiles	25
02160	BTEX/MTBE	Method SW-846 8021B	1	06/28/2002 04:36	Steven A Skiles	25
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:27	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/29/2002 08:10	Denise K Conners	1





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842046

Collected:06/21/2002 12:20

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

ΝA

Soil

G-3-S-5-020621 Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-3



Lancaster Laboratories Sample No. 3842047

Collected:06/21/2002 12:25

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

6001 Bollinger Canyon Rd L4310

Reported: 07/12/2002 at 11:32

San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-3-S-10-020621

NA

Soil

Facility# 206145

GRRC

T0600102230 G-3 800 Center St-Oakland

				As Received			
CAT			As Received	Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
01655	Lead	7439-92-1	5.9	0.92	mg/kg	1	
01726	TPH-GRO - Soils						
01727	TPH-GRO - Soils	n.a.	7,700.	400.	mg/kg	10000	
	The reported concentration of T gasoline constituents eluting p start time.	rior to the C6	(n-hexane) TPH-0	GRO range			
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
	A poor surrogate recovery was of perform the analysis.	bserved due to	the dilution ne	eded to			
02160	BTEX/MTBE						
02174	Benzene	71-43-2	19.	2.0	mg/kg	10000	
02177	Toluene	108-88-3	520.	2.0	mg/kg	10000	
02178	Ethylbenzene	100-41-4	290.	2.0	mg/kg	10000	
02173	Total Xylenes	1330-20-7	1,100.	6.0	mg/kg	10000	
02182	MTBE	1634-04-4	63.	20.	mg/kg	10000	
02133	The analysis for volatiles was			s preserved			

in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

Method

Analysis

Trial# Date and Time

Analyst

Dilution Factor



Analysis Name

CAT

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

3842047 SW Lancaster Laboratories Sample No.

Collected:06/21/2002 12:25

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

G-3-S-10-020621

Facility# 206145

Soil NΑ

800 Center St-Oakland

GRRC

T0600102230 G-3

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 04:06 06/28/2002 11:24	Donna R Sackett Steven A Skiles	1 10000
02160	BTEX/MTBE	SW-846 8021B	1	06/28/2002 11:24	Steven A Skiles	10000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:28	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1.	07/03/2002 06:34	Liana C Jones	1



Lancaster Laboratories Sample No. SW 3842048

Collected:06/21/2002 10:10 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:32 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-4-S-5-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor	
01655	Lead	7439-92-1	2.7	0.94	mg/kg	1	
01726	TPH-GRO - Soils						
01727	TPH-GRO ~ Soils	n.a.	N.D.	1.0	mg/kg	25	
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
02160	BTEX/MTBE						
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25	
02177	Toluene	108-88-3	0.021	0.0050	mg/kg	25	
02178	Ethylbenzene	100-41-4	0.0056	0.0050	mg/kg	25	
02182	Total Xylenes	1330-20-7	0.027	0.015	mg/kg	25	
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25	
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						

		Laboratory	Chro	nicle		
CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
	Lead	SW-846 6010B	1	07/10/2002 04:10	Donna R Sackett	1
01655 01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/28/2002 05:13	Steven A Skiles	25
*		Method		06/00/2002 05:13	Steven A Skiles	25
02160	BTEX/MTBE	SW-846 8021B	1	06/28/2002 05:13	= =	
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:29	Stephanie A Selis	n.a.
05708	SW SW846 TCP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1





Page 2 of 2

Lancaster Laboratories Sample No. 3842048

Collected:06/21/2002 10:10

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

G-4-S-5-020621

NA

Soil

Facility# 206145

T0600102230 G-4

GRRC

800 Center St-Oakland



Lancaster Laboratories Sample No. SW 3842049

Collected:06/21/2002 10:15 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:32 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-4-S-10-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-4

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	7.4	0.94	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	3,300.	200.	mg/kg	5000
	The reported concentration of Trigasoline constituents eluting pristart time. The analysis for volatiles was prin methanol. The reporting limits A poor surrogate recovery was observed the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH-(sample which was ted appropriatel	GRO range s preserved y.		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	3.5	0.20	mg/kg	1000
02177	Toluene	108-88-3	140.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	120.	1.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	480.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	6.2	2.0	mg/kg	1000

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT Analysis
No. Analysis Name Method Trial# Date and Time Analy

Analyst



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681 Dilution

Factor



Page 2 of 2

3842049 Lancaster Laboratories Sample No.

Collected:06/21/2002 10:15

by AS

Account Number: 10992

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583 Discard: 07/20/2002

G-4-S-10-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland T0600102230 G-4

01655	Lead	SW-846 6010B	1	07/10/2002 04:21	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/28/2002 08:56	Steven A Skiles	5000
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 19:45	Steven A Skiles	1000
02160	BTEX/MTBE	SW-846 8021B	ı	06/28/2002 08:56	Steven A Skiles	5000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:30	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1



Lancaster Laboratories Sample No. SW 3842050

Collected:06/21/2002 10:50

by AS

Account Number: 10992

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Discard: 07/20/2002

G-5-S-5-020621

NA

GRRC

Facility# 206145

800 Center St-Oakland T0600102230 G-5

Soil

				As Received					
CAT			As Received	Method		Dilution			
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor			
01655	Lead	7439-92-1	4.3	0.94	mg/kg	1			
01726	TPH-GRO - Soils								
01727	TPH-GRO - Soils	n.a.	7.1	1.0	mg/kg	25			
V2	The reported concentration of TPH-GRO does not include MTBE or other								
	gasoline constituents eluting pr								
	start time.								
	The analysis for volatiles was p	performed on a	sample which was	preserved					
	in methanol. The reporting lim	its were adjus	ted appropriately	7 -					
02160	BTEX/MTBE								
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25			
02177	Toluene	108-88-3	0.041	0.0050	mg/kg	25			
02178	Ethylbenzene	100-41-4	0.022	0.0050	mg/kg	25			
02182	Total Xylenes	1330-20-7	0.064	0.015	mg/kg	25			
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25			
	The analysis for volatiles was p	performed on a	sample which was	s preserv e d					
	in methanol. The reporting limits were adjusted appropriately.								

CAT	Laboratory Chronicle Analysis						
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
01655	Lead	SW-846 6010B	1	07/10/2002 04:25	Donna R Sackett	1	
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/28/2002 05:50	Steven A Skiles	25	
		Method			n n-11	25	
02160	BTEX/MTBE	SW-846 8021B	1	06/28/2002 05:50	Steven A Skiles	25	
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:31	Stephanie A Selis	n.a.	
05708	SW SW846 ICP Digest	SW-846 3050B	ı	07/03/2002 06:34	Liana C Jones	1	



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842050

Collected:06/21/2002 10:50

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

NA

Soil

G-5-S-5-020621 Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-5



Lancaster Laboratories Sample No. SW 3842051

Collected:06/21/2002 10:55

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

NA Soil

G-5-S-10-020621 Facility# 206145

5511

800 Center St-Oakland

T0600102230 G-5

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	9.7	0.94	mg/kg	1
01726	TPH-GRO - Soils					•
01727	TPH-GRO - Soils The reported concentration of TI gasoline constituents eluting prostart time. The analysis for volatiles was prin methanol. The reporting limits A poor surrogate recovery was observed the analysis.	rior to the C6 performed on a its were adjust	(n-hexane) TPH-G sample which was ed appropriately	RO range preserved	mg/kg	100
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.062	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.58	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.62	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	2.4	0.015	mg/kg	25
02102	MTBE	1634-04-4	0.094	0.050	mg/kg	25
02277	The analysis for volatiles was in methanol. The reporting lim	performed on a its were adjust	sample which was ted appropriately	preserved		

GRRC

G S EFF	Laboratory Chronicle Analysis						
CAT No. 01655 01726	Analysis Name Lead TPH-GRO - Soils	Method SW-846 6010B N. CA LUFT Gasoline Method	Trial# 1 1	Date and Time 07/10/2002 04:29 06/28/2002 06:27	Analyst Donna R Sackett Steven A Skiles	Factor 1 100	





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842051

Collected:06/21/2002 10:55

by AS

Account Number: 10992

San Ramon CA 94583

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

6001 Bollinger Canyon Rd L4310

G-5-S-10-020621 NA Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-5

25 06/27/2002 21:28 Steven A Skiles SW-846 8021B 02160 BTEX/MTBE 06/27/2002 04:32 Stephanie A Selis n.a. 01150 GC VOA Soil Prep SW-846 5035 1 07/03/2002 06:34 Liana C Jones 1 05708 SW SW846 ICP Digest SW-846 3050B



Lancaster Laboratories Sample No. SW 3842052

Collected:06/21/2002 10:05

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-6-S-5-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor
01655	Lead	7439-92-1	3.5	Limit 0.92	mg/kg	1
01726	ТРН-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim	performed on a	sample which was	s preserved		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.0069	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.0054	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.022	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
22177	The analysis for volatiles was in methanol. The reporting lim	performed on a its were adjus	sample which was ted appropriatel;	s preserved y.		

		Laboratory	Chro:	nicle Analysis		Dilution
CAT No. 01655 01726	Analysis Name Lead TPH-GRO - Soils	Method SW-846 6010B N. CA LUFT Gasoline	Trial# 1 1	Date and Time 07/10/2002 04:33 06/27/2002 22:05	Analyst Donna R Sackett Steven A Skiles	Factor 1 25
02160 01150 05708	BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	Method SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	06/27/2002 22:05 06/27/2002 04:33 07/03/2002 06:34	Steven A Skiles Stephanie A Selis Liana C Jones	25 n.a. 1



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842052

Collected:06/21/2002 10:05 by AS Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15 Reported: 07/12/2002 at 11:32

Discard: 07/20/2002

Soil NA

G-6-S-5-020621 Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-6



Lancaster Laboratories Sample No. SW 3842053

Collected:06/21/2002 10:07

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002 G-6-S-10-020621

NΑ

Soil GRRC

Facility# 206145

800 Center St-Oakland T0600102230 G-6

CAT	No. No. of a Warn	CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor			
No.	Analysis Name	CAS NUMBEL	Vesarr	Limit					
01655	Lead	7439-92-1	9.2	0.90	mg/kg	1			
01726	TPH-GRO - Soils								
01727	TPH-GRO - Soils	n.a.	6,300.	400.	mg/kg	10000			
	The reported concentration of T	PH-GRO does no	t include MTBE o	r other					
	gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range								
	start time.								
	The analysis for volatiles was performed on a sample which was preserved								
	in methanol. The reporting lim	uits were adjus	ted appropriatel	у.					
	A poor surrogate recovery was operform the analysis.	bserved due to	the dilution ne	eded to					
02160	BTEX/MTBE								
02174	Benzene	71-43-2	19.	0.50	mg/kg	2500			
02177	Toluene	108-88-3	360.	2.0	mg/kg	10000			
02178	Ethylbenzene	100-41-4	190.	0.50	mg/kg	2500			
02182	Total Xylenes	1330-20-7	900.	6.0	mg/kg	10000			
02199	MTBR	1634-04-4	28.	5.0	mg/kg	2500			
	The analysis for volatiles was	performed on a	a sample which wa	s preserved					

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory	Chronicle
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CAT Analysis Name Method Trial# Date and Time A

Dilution Analyst Factor



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Page 2 of 2

Lancaster Laboratories Sample No. SW 3842053

Collected:06/21/2002 10:07

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

800 Center St-Oakland

G-6-S-10-020621

NA

Soil

Facility# 206145

T0600102230 G-6

GRRC

01655	Lead	SW-846 6010B	1	07/10/2002 04:36	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/28/2002 12:02	Steven A Skiles	10000
02160 02160 01150 05708	BTEX/MTBE BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	Method SW-846 8021B SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	06/27/2002 22:42 06/28/2002 12:02 06/27/2002 04:34 07/03/2002 06:34	Steven A Skiles Steven A Skiles Stephanie A Selis Liana C Jones	2500 10000 n.a. 1



Lancaster Laboratories Sample No. SW 3842054

Collected: 06/21/2002 09:55 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:33 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-7-S-5-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor
NO.	Analysis name	CAD Number	NODUZ O	Limit		
01655	Lead	7439-92-1	3.0	0.90	mg/kg	1,
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
91,1,	The reported concentration of TH	H-GRO does not	include MTBE or	other		
	gasoline constituents eluting pr					
	start time.					
	The analysis for volatiles was p	erformed on a	sample which was	preserved		
	in methanol. The reporting limit					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.0057	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.045	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.012	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.046	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was p					
	in methanol. The reporting limit	its were adjust	ed appropriately	•		

		Laboratory	Chro:			Dilution
CAT				Analysis		
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/10/2002 04:40	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/28/2002 03:59	Steven A Skiles	25
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/28/2002 03:59	Steven A Skiles	25
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:35	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1



Page 2 of 2

3842054 Lancaster Laboratories Sample No.

Collected:06/21/2002 09:55

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

NA

Soil

G-7-S-5-020621 Facility# 206145

800 Center St-Oakland

T0600102230 G-7

ChevronTexaco

GRRC

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583



Lancaster Laboratories Sample No. 3842055

Collected:06/21/2002 09:58

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-7-S-10-020621

NA

Soil

Facility# 206145 800 Center St-Oakland

T0600102230 G-7

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	15.6	0.92	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of Transcription of Transcripti	rior to the C6 performed on a its were adjus	(n-hexane) TPH- sample which wa	GRO range s preserved y.	mg/kg	10000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	18.	2.0	mg/kg	10000
02177	Toluene	108-88-3	420.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	250.	2.0	mg/kg	10000
02178	Total Xylenes	1330-20-7	1,100.	6.0	mg/kg	10000
02102	MTBE	1634-04-4	28.	20.	mg/kg	10000
02133	The analysis for volatiles was			s preserved		

GRRC

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT

Method

Analysis

Trial# Date and Time

Analyst

Dilution Factor



Analysis Name

No.

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842055

Collected:06/21/2002 09:58

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

A Soil

G-7-S-10-020621 Facility# 206145

A SOII

800 Center St-Oakland T0600102230 G-7

GRRC

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 04:44 06/29/2002 06:50	Donna R Sackett Steven A Skiles	1 10000
02160	BTEX/MTBE	SW-846 8021B	1	06/29/2002 06:50	Steven A Skiles	10000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:36	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1



Lancaster Laboratories Sample No. SW 3842056

Collected:06/21/2002 08:25

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-8-S-5-020621

NA

Soil

GRRC

Facility# 206145 800 Center St-Oakland

T0600102230 G-8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	5.6	0.90	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	7,100.	400.	mg/kg	10000
	The reported concentration of T					
	gasoline constituents eluting p	rior to the C6	(n-hexane) TPH-	GRO range		
	start time.			•		
	The analysis for volatiles was					
	in methanol. The reporting lim	its were adjus	ted appropriatel	у.		
	A poor surrogate recovery was o perform the analysis.	bserved due to	the dilution ne	eded to		·
02160	BTEX/MTBE					
02174	Benzene	71-43-2	8.4	2.0	mg/kg	10000
02177	Toluene	108-88-3	280.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	210.	2.0	mg/kg	10000
02182	Total Xylenes	1330-20-7	960.	6.0	mg/kg	10000
02199	MTBE	1634-04-4	N.D.	20.	mg/kg	10000

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution ${\tt needed}$ to ${\tt perform}$ the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.





Page 2 of 2

Lancaster Laboratories Sample No. 3842056 SW

Collected:06/21/2002 08:25

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

NA Soil

G-8-S-5-020621

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-B

Laboratory Chronicle

CAT		_	Analysis				
No. 01655 01726	Analysis Name Lead TPH-GRO - Soils	Method SW-846 6010B N. CA LUFT Gasoline Method	Trial# 1 1	Date and Time 07/10/2002 04:48 06/29/2002 07:27	Analyst Donna R Sackett Steven A Skiles	Factor 1 10000	
02160 01150 05708	BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	06/29/2002 07:27 06/27/2002 04:37 07/03/2002 06:34	Steven A Skiles Stephanie A Selis Liana C Jones	10000 n.a. 1	



3842057 Lancaster Laboratories Sample No.

Collected:06/21/2002 08:30

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002 G-8-S-10-020621

Soil

Facility# 206145

800 Center St-Oakland

GRRC T0600102230 G-8

a			As Received	As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	12.3	0.92	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim A poor surrogate recovery was o perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH-	GRO range s preserved y.	mg/kg	20000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	69.	4.0	mg/kg	20000
02177	Toluene	108-88-3	1,100.	4.0	mg/kg	20000
02178	Ethylbenzene	100-41-4	470.	4.0	mg/kg	20000
02182	Total Xylenes	1330-20-7	1,900.	12.	mg/kg	20000
02199	MTBE	1634-04-4	150.	40.	mg/kg	20000
52255	The analysis for volatiles was					

in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory	Chronicle
liaborator v	

CAT No.

Analysis Name

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842057

Collected:06/21/2002 08:30

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

ΝA

Soil

G-8-S-10-020621

Facility# 206145

800 Center St-Oakland T0600102230 G-8

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 04:52 07/01/2002 14:11	Donna R Sackett Steven A Skiles	1 20000
02160	BTEX/MTBE	SW-846 8021B	1	07/01/2002 14:11	Steven A Skiles	20000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:38	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1

GRRC



Lancaster Laboratories Sample No. SW 3842058

Collected:06/21/2002 08:40

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-9-S-5-020621

NA

Soil

GRRC

Facility# 206145 800 Center St-Oakland

T0600102230 G-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	17.7	0.93	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	3,700.	400.	mg/kg	10000
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. A poor surrogate recovery was observed due to the dilution needed to					
	perform the analysis.					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	1.9	0.50	mg/kg	2500
02177	Toluene	108-88-3	54.	0.50	mg/kg	2500
02178	Ethylbenzene	100-41-4	57.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	350.	6.0	mg/kg	10000
02199	MTBE	1634-04-4	N.D.	5.0	mg/kg	2500
		wearmed on a	. cample which was	s preserved		

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842058

Collected: 06/21/2002 08:40 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:33 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-9-S-5-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-9

Laboratory Chronicle

	Laboratory Chronicie Analysis					Dilution
CAT No. 01655 01726	Analysis Name Lead TPH-GRO - Soils	Method SW-846 6010B N. CA LUFT Gasoline	Trial# 1 1	Date and Time 07/10/2002 04:56 07/01/2002 14:48	Analyst Donna R Sackett Steven A Skiles	Factor 1 10000
02160 02160 01150 05708	BTEX/MTBE BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	Method SW-846 8021B SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	06/29/2002 10:31 07/01/2002 14:48 06/27/2002 04:39 07/03/2002 06:34	Steven A Skiles Steven A Skiles Stephanie A Selis Liana C Jones	2500 10000 n.a. 1



NA

Page 1 of 2

3842059 Lancaster Laboratories Sample No. SW

Collected:06/21/2002 08:45

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002 G-9-S-10-020621

Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	17.0	0.94	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of Transcription of Transcripti	rior to the C6 performed on a its were adjus	(n-hexane) TPH-G sample which was ted appropriately	RO range preserved	mg/kg	20000
02160	BTEX/MTBE					s
02174	Benzene	71-43-2	83.	4.0	mg/kg	20000 20000
02177	Toluene	108-88-3	1,200.	4.0	mg/kg	
02178	Ethylbenzene	100-41-4	520.	4.0	mg/kg	20000
02182	Total Xylenes	1330-20-7	2,200.	30.	mg/kg	50000
02102	MTBE	1634-04-4	150.	40.	mg/kg	20000
02133	The analysis for volatiles was	performed on a	sample which was	preserved		

in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Method

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis

Trial# Date and Time

Analyst

Dilution Factor



Analysis Name

CAT

No.

Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842059

Collected:06/21/2002 08:45

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-9-S-10-020621

NA

Soil

Facility# 206145

800 Center St-Oakland T0600102230 G-9

01655	Lead	SW-846 6010B	1	07/10/2002 05:07	Donna R Sackett	20000
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	07/01/2002 15:25	Steven A Skiles	
02160 02160 01150 05708	BTEX/MTBE BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	Method SW-846 8021B SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	07/01/2002 15:25 07/01/2002 22:02 06/27/2002 04:40 07/03/2002 06:34	Steven A Skiles Steven A Skiles Stephanie A Selis Liana C Jones	20000 50000 n.a. 1

GRRC



3842060 Lancaster Laboratories Sample No. SW

Collected:06/21/2002 13:00

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-10-S-5-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland T0600102230 G-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor
01655	Lead	7439-92-1	2.6	Limit 0.94	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of Tigasoline constituents eluting prostart time. The analysis for volatiles was proceeding in methanol. The reporting limit	cior to the C6	(n-hexane) TPH-G	RO range preserved	mg/kg	25
02160	ETEX/MTBE					
02174 02177 02178 02182 02199	Benzene Toluene Ethylbenzene Total Xylenes MTBE The analysis for volatiles was in methanol. The reporting lim	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4 performed on a	0.014 0.073 0.012 0.052 N.D. sample which was	0.0050 0.0050 0.0050 0.015 0.050 s preserved	mg/kg mg/kg mg/kg mg/kg mg/kg	25 25 25 25 25 25

	Laboratory Chronicle Analysis						
CAT No. 01655 01726	Analysis Name Lead TPH-GRO - Soils	Method SW-846 6010B N. CA LUFT Gasoline	Trial# 1 1	Date and Time 07/10/2002 05:11 07/02/2002 02:25	Analyst Donna R Sackett Martha L Seidel	Factor 1 25	
02160 01150	BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	Method SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	07/02/2002 02:25 06/27/2002 04:41 07/03/2002 06:34	Martha L Seidel Stephanie A Selis Liana C Jones	25 n.a. 1	



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842060

Collected:06/21/2002 13:00

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

NA

Soil

GRRC

G-10-S-5-020621 Facility# 206145

A 301.

800 Center St-Oakland

T0600102230 G-10



Lancaster Laboratories Sample No. SW 3842061

Collected:06/21/2002 13:15

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

800 Center St-Oakland

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-10-S-10-020621

NA

Soil

GRRC

Facility# 206145

T0600102230 G-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	7.3	0.94	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	2,100.	100.	mg/kg	2500
• • • •	The reported concentration of T	PH-GRO does no	t include MTBE or	r other		
	gasoline constituents eluting p	rior to the C6	(n-hexane) TPH-0	GRO range		
	start time.			_		
	The analysis for volatiles was in methanol. The reporting lim	performed on a its were adjus	sample which was ted appropriately	s preserved Y·		
	Poor surrogate recoveries were needed to perform the analysis.		his sample due t	o the dilution		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	1.4	0.10	mg/kg	500
02177	Toluene	108-88-3	32.	0.10	mg/kg	500
02178	Ethylbenzene	100-41-4	52.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	270.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	N.D.	1.0	mg/kg	500
			1. 1 -1			

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842061

Collected:06/21/2002 13:15

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:33

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-10-S-10-020621

NA

Soil

GRRC

Facility# 206145 800 Center St-Oakland

T0600102230 G-10

Laboratory Chronicle

CAT				Analysis		Dilution
No. 01655 01726	Analysis Name Lead TPH-GRO - Soils	Method SW-846 6010B N. CA LUFT Gasoline Method	Trial# 1 l	Date and Time 07/10/2002 05:15 07/02/2002 06:46	Analyst Donna R Sackett Martha L Seidel	Factor 1 2500
02160 02160 01150 05708	BTEX/MTBE BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	SW-846 8021B SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	07/02/2002 06:46 07/03/2002 00:32 06/27/2002 04:42 07/03/2002 06:34	Martha L Seidel Martha L Seidel Stephanie A Selis Liana C Jones	2500 500 n.a. 1



Lancaster Laboratories Sample No. SW 3842062

Collected:06/21/2002 08:55

by AS

Account Number: 10992

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-11-S-5-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland T0600102230 G-11

CAT No .	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	5.2	0.92	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of Tr gasoline constituents eluting pr start time. The analysis for volatiles was p in methanol. The reporting limit	erior to the C6	(n-hexane) TPH-G	RO range preserved		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.035	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.019	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.084	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
V 2 2	The analysis for volatiles was printed in methanol. The reporting limits	performed on a its were adjus	sample which was ted appropriately	preserved -		

CAT	Laboratory Chronicle Analysis						
No.	Analysis Name	Method	Trial#	Date and Time	Analyst Donna R Sackett	Factor	
01655	Lead	SW-846 6010B	1	07/10/2002 05:19			
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	07/02/2002 03:02	Martha L Seidel	25	
00160	BTEX/MTBE	SW-846 8021B	1	07/02/2002 03:02	Martha L Seidel	25	
02160		= ** *	-	06/27/2002 04:43	Stephanie A Selis	n.a.	
01150	GC VOA Soil Prep	SW-846 5035	1			1	
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1	



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842062

Collected:06/21/2002 08:55

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

800 Center St-Oakland

G-11-S-5-020621

NΆ

Soil

Facility# 206145

T0600102230 G-11

ChevronTexaco

GRRC

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583



Lancaster Laboratories Sample No. SW 3842063

Collected:06/21/2002 09:00

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-11-S-10-020621

NA

Soil GRRC

Facility# 206145 800 Center St-Oakland

T0600102230 G-11

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	5.5	0.93	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	100.	100.	mg/kg	2500
	The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim A poor surrogate recovery was operform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH- sample which wa ted appropriatel	GRO range s preserved y		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.080	mg/kg	100
02177	Toluene	108-88-3	0.43	0.020	mg/kg	100
02178	Ethylbenzene	100-41-4	0.53	0.020	mg/kg	100
02182	Total Xylenes	1330-20-7	3.1	0.060	mg/kg	100
02199	MTBE	1634-04-4	N.D.	0.20	mg/kg	100

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the presence of interferents near their retention time, normal reporting limits were not attained for benzene and MTBE. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842063

Collected:06/21/2002 09:00

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-11-S-10-020621

NA

GRRC

Facility# 206145

800 Center St-Oakland T0600102230 G-11

Soil

Laboratory Chronicle

GN III	Analysis						
CAT	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
No.		SW-846 6010B	1	07/10/2002 05:22	Donna R Sackett	1	
01655 01726	Lead TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	07/02/2002 07:23	Martha L Seidel	2500	
02160	BTEX/MTBE	SW-846 8021B	1	07/02/2002 18:00	Martha L Seidel	100	
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:44	Stephanie A Selis	n.a.	
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1	



Lancaster Laboratories Sample No. SW 3842064

Collected:06/21/2002 13:15 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:34 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-12-S-5-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-12

CAT			As Received	As Received Method	·	Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	16.1	0.91	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of TR gasoline constituents eluting pr start time. The analysis for volatiles was R in methanol. The reporting limit	rior to the C6 performed on a	(n-hexane) TPH-0	RO range preserved	mg/kg	25
02160	BTEX/MTBE					
02174 02177 02178 02182 02199	Benzene Toluene Ethylbenzene Total Xylenes MTBE The analysis for volatiles was in methanol. The reporting lim	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4 performed on a	N.D. 0.034 0.010 0.057 N.D. sample which wa	0.0050 0.0050 0.0050 0.015 0.050 s preserved	mg/kg mg/kg mg/kg mg/kg mg/kg	25 25 25 25 25 25

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 01655 01726	Analysis Name Lead TPH-GRO - Soils	Method SW-846 6010B N. CA LUFT Gasoline	Trial# 1 1	Date and Time 07/10/2002 05:26 07/02/2002 03:40	Analyst Donna R Sackett Martha L Seidel	Factor 1 25
02160 01150 05708	BTEX/MTBE GC VOA Soil Prep SW SW846 ICP Digest	Method SW-846 8021B SW-846 5035 SW-846 3050B	1 1 1	07/02/2002 03:40 06/27/2002 04:45 07/03/2002 06:34	Martha L Seidel Stephanie A Selis Liana C Jones	25 n.a. 1





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842064

Collected:06/21/2002 13:15 b

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

G-12-S-5-020621

NΑ

Soil

GRRC

Facility# 206145

800 Center St-Oakland T0600102230 G-12

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MEMBER ACIL



Lancaster Laboratories Sample No. 3842065

Collected:06/21/2002 13:30

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-12-S-10-020621

AN

Soil

Facility# 206145

GRRC

T0600102230 G-12 800 Center St-Oakland

CAT		CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor
No.	Analysis Name	CAS Number	Result	Limit		
01655	Lead	7439-92-1	7.0	0.93	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of TR gasoline constituents eluting pr start time. The analysis for volatiles was p in methanol. The reporting limit Poor surrogate recoveries were oneeded to perform the analysis.	rior to the C6 performed on a ts were adjust	(n-hexane) TPH-Gl sample which was ed appropriately	preserved	mg/kg	10000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	50.	2.0	mg/kg	10000
02177	Toluene	108-88-3	540.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	240.	2.0	mg/kg	10000
02182	Total Xylenes	1330-20-7	1,200.	6.0	mg/kg	10000
02199	MTBE	1634-04-4	58.	20.	mg/kg	10000
	The analysis for volatiles was p	performed on a	sample which was	preserved		

in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis CAT Method Analysis Name No.

Trial# Date and Time

Dilution Factor



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681 Analyst



Page 2 of 2

3842065 Lancaster Laboratories Sample No.

Collected:06/21/2002 13:30

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-12-S-10-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-12

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 05:30 07/02/2002 18:37	Donna R Sackett Martha L Seidel	1 10000
02160	BTEX/MTBE	SW-846 8021B	1	07/02/2002 18:37	Martha L Seidel	10000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:46	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1



Lancaster Laboratories Sample No. SW 3842066

Collected:06/21/2002 13:45

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

G-13-S-5-020621

NA

Soil GRRC

Facility# 206145

800 Center St-Oakland T0600102230 G-13

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	7.5	0.90	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
01/2/	The reported concentration of T		t include MTBE o	r other		
	gasoline constituents eluting p					
	start time.	2102 00 0	(_		
	The analysis for volatiles was	performed on a	sample which was	s preserved		
	in methanol. The reporting lim					
		_				
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.0062	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.019	0.015	mg/kg	25
02102	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
V-1	The analysis for volatiles was	performed on a	sample which wa	s preserved		
	in methanol. The reporting lim					
		-				

CAT	Laboratory Chronicle Analysis						
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
01655	Lead	SW-846 6010B	1	07/10/2002 03:43	Donna R Sackett	1	
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	07/02/2002 04:17	Martha L Seidel	25	
		Method		07/02/2002 04:17	Martha L Seidel	25	
02160	BTEX/MTBE	SW-846 8021B	1				
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:47	Stephanie A Selis	n.a.	
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 06:34	Liana C Jones	1	



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842066

Collected:06/21/2002 13:45

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

NA

Soil

GRRC

G-13-S-5-020621 Facility# 206145

800 Center St-Oakland

T0600102230 G-13



Lancaster Laboratories Sample No. 3842067 SW

Collected:06/21/2002 14:00

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

ChevronTexaco

Reported: 07/12/2002 at 11:34

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 07/20/2002 G-13-S-10-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-13

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	6.2	0.91	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of Tigasoline constituents eluting pastart time. The analysis for volatiles was in methanol. The reporting lime. Poor surrogate recoveries were needed to perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH-G sample which was ted appropriately	RO range preserved	mg/kg	20000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	56.	2.0	mg/kg	10000
02177	Toluene	108-88-3	600.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	290.	2.0	mg/kg	10000
02182	Total Xylenes	1330-20-7	1,400.	6.0	mg/kg	10000
02199	MTBE	1634-04-4	70.	20.	mg/kg	10000
	The analysis for volatiles was					

in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.

Analysis Name

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. 3842067

Collected:06/21/2002 14:00

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

G-13-S-10-020621

NA Soil

Facility# 206145

GRRC

T0600102230 G-13 800 Center St-Oakland

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 06:01 07/02/2002 21:04	Donna R Sackett Martha L Seidel	1 20000
02160	BTEX/MTBE	SW-846 8021B	1	07/02/2002 19:14	Martha L Seidel	10000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:48	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 07:15	Liana C Jones	1



Lancaster Laboratories Sample No. 3842068

Collected:06/21/2002 11:45

by AS

Account Number: 10992

6001 Bollinger Canyon Rd L4310

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-14-S-5-020621

Soil NA

Facility# 206145

GRRC

T0600102230 G-14 800 Center St-Oakland

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	5.2	0.92	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of TI gasoline constituents eluting prostart time. The analysis for volatiles was prin methanol. The reporting limits A poor surrogate recovery was observed the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH-G sample which was ted appropriately	RO range s preserved	mg/kg	5000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	20.	mg/kg	5000
02177	Toluene	108-88-3	190.	1.0	mg/kg	5000
02178	Ethylbenzene	100-41-4	120.	1.0	mg/kg	5000
02182	Total Xylenes	1330-20-7	510.	3.0	mg/kg	5000
02199	MTBE	1634-04-4	19.	10.	mg/kg	5000

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained.



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842068

Collected:06/21/2002 11:45

by AS

Account Number: 10992

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

Discard: 07/20/2002

San Ramon CA 94583

G-14-S-5-020621

NA

GRRC

Facility# 206145 800 Center St-Oakland

T0600102230 G-14

Soil

Laboratory Chronicle

		Варогасогу	CIII O	Analysis		Dilution
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/10/2002 06:24	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	07/01/2002 18:20	Steven A Skiles	5000
00160	BTEX/MTBE	Method sw-846 8021B	1	07/01/2002 18:20	Steven A Skiles	5000
02160	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:49	Stephanie A Selis	n.a.
01150 05708	SW SW846 ICP Digest	SW-846 3050B	ī	07/03/2002 07:15	Liana C Jones	1



Lancaster Laboratories Sample No. 3842069

Collected:06/21/2002 11:50

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

ChevronTexaco

Reported: 07/12/2002 at 11:34

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-14-S-10-020621

Discard: 07/20/2002

NA

Soil

Facility# 206145

GRRC 800 Center St-Oakland T0600102230 G-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	11.9	0.90	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	14,000.	800.	mg/kg	20000
	The reported concentration of Tigasoline constituents eluting postart time. The analysis for volatiles was point methanol. The reporting lime. Poor surrogate recoveries were needed to perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH-G sample which was ted appropriately	ro range preserved		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	65.	4.0	mg/kg	20000
02177	Toluene	108-88-3	940.	4.0	mg/kg	20000
02178	Ethylbenzene	100-41-4	400.	4.0	mg/kg	20000
02182	Total Xylenes	1330-20-7	1,700.	12.	mg/kg	20000
02199	MTBE	1634-04-4	170.	40.	mg/kg	20000
	The analysis for volatiles was	performed on a	sample which was	preserved		

in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory	Chronicle
nauranti v	

CAT

Analysis Name

Method

Analysis Trial# Date and Time

Analyst

Dilution **Pactor**



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842069

Collected:06/21/2002 11:50

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:34

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-14-S-10-020621

NA

GRRC

Facility# 206145

800 Center St-Oakland T0600102230 G-14

Soil

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 06:27 07/01/2002 13:34	Donna R Sackett Steven A Skiles	1 20000
02160	BTEX/MTBE	SW-846 8021B	1	07/01/2002 13:34	Steven A Skiles	20000
01150	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 04:50	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 07:15	Liana C Jones	1



Lancaster Laboratories Sample No. SW 3842070

Collected:06/21/2002 12:35

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

ChevronTexaco

Reported: 07/12/2002 at 11:35

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-15-S-5-020621

NA

Soil GRRC

Facility# 206145 800 Center St-Oakland

Discard: 07/20/2002

T0600102230 G-15

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	22.5	0.90	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
	The reported concentration of Ti	PH-GRO does not	include MTBE or	other		
	gasoline constituents eluting p					
	start time.					
	The analysis for volatiles was p	performed on a	sample which was	preserved		
	in methanol. The reporting lim					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.020	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.017	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was	performed on a	sample which was	preserved		
	in methanol. The reporting lim					

		Laboratory	Chro	nicle		
CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/10/2002 06:39	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	06/27/2002 03:29	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 03:29	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:01	Martha L Seidel	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 07:15	Liana C Jones	1



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842070

Collected:06/21/2002 12:35

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

NA

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GRRC

G-15-S-5-020621 Facility# 206145 soil

800 Center St-Oakland

T0600102230 G-15

MEMBER 2



Lancaster Laboratories Sample No. SW 3842071

Collected:06/21/2002 12:40

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

800 Center St-Oakland

ChevronTexaco

Reported: 07/12/2002 at 11:35

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 07/20/2002 G-15-S-10-020621

Soil

Facility# 206145

GRRC T0600102230 G-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	6.5	0.94	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	5,800.	400.	mg/kg	10000
	The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim Poor surrogate recoveries were needed to perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH- sample which wa	GRO range s preserved y.		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	12.	0.50	mg/kg	2500
02177	Toluene	108-88-3	320.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	110.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	450.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	31.	5.0	mg/kg	2500
	The analysis for velatiles was	performed on a	sample which wa	s preserved		

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT

Analysis Name No.

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842071

Collected:06/21/2002 12:40

by AS

T0600102230 G-15

Account Number: 10992

Submitted: 06/26/2002 09:15

800 Center St-Oakland

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-15-S-10-020621

Soil

Facility# 206145

GRRC

07/10/2002 06:43 Donna R Sackett 1 SW-846 6010B 01655 Lead Stephanie A Selis 10000 1 06/27/2002 11:03 N. CA LUFT Gasoline TPH-GRO - Soils 01726 Method 2500 SW-846 8021B 06/27/2002 04:06 Stephanie A Selis BTEX/MTBE 02160 10000 06/27/2002 11:03 Stephanie A Selis BTEX/MTBE SW-846 8021B 1 02160 06/26/2002 22:02 Martha L Seidel n.a. SW-846 5035 1 GC VOA Soil Prep 01150 Liana C Jones 1 SW-846 3050B 07/03/2002 07:15 SW SW846 ICP Digest 05708

Account Number: 10992



Page 1 of 2

Lancaster Laboratories Sample No. SW 3842072

Collected:06/21/2002 11:20 by AS

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:35 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-16-S-5-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor		
	•			Limit		_		
01655	Lead	7439-92-1	2.4	0.94	mg/kg	1		
01726	TPH-GRO - Soils							
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25		
	The reported concentration of TPH-GRO does not include MTBE or other							
	gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							
02160	BTEX/MTBE							
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25		
02177	Toluene	108-88-3	0.015	0.0050	mg/kg	25		
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25		
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25		
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25		
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.							

		Laboratory	Chro:	nicle		
CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/10/2002 06:47	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/27/2002 01:01	Stephanie A Selis	25
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 01:01	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:03	Martha L Seidel	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 07:15	Liana C Jones	1



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842072

Collected:06/21/2002 11:20

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

 $\mathbf{N}\mathbf{A}$

G-16-S-5-020621 Facility# 206145 Soil GRRC

800 Center St-Oakland T0600102230 G-16



SW 3842073 Lancaster Laboratories Sample No.

Collected:06/21/2002 11:25

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

ChevronTexaco

Reported: 07/12/2002 at 11:35 Discard: 07/20/2002

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-16-S-10-020621

Soil

GRRC

Facility# 206145

800 Center St-Oakland

T0600102230 G-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection	Units	Dilution Factor
NO.	Midly 515 Hame			Limit		
01655	Lead	7439-92-1	6.5	0.90	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim Poor surrogate recoveries were needed to perform the analysis.	rior to the C6 performed on a its were adjus observed for t	(n-hexane) TPH-G sample which was ted appropriately	RO range preserved	mg/kg	2500
02160	BTEX/MTBE					
02174	Benzene	71-43-2	5.1	0.50	mg/kg	2500
02177	Toluene	108-88-3	110.	0.50	mg/kg	2500
02178	Ethylbenzene	100-41-4	52.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	230.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	11.	5.0	mg/kg	2500
V				_		

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.

Analysis Name

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842073

Collected:06/21/2002 11:25

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-16-S-10-020621

NA

Soil

Facility# 206145

800 Center St-Oakland T0600102230 G-16

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 06:50 06/27/2002 06:34	Donna R Sackett Stephanie A Selis	1 2500
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 06:34	Stephanie A Selis	2500
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:04	Martha L Seidel	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 07:15	Liana C Jones	1

GRRC



SW 3842074 Lancaster Laboratories Sample No.

Collected:06/21/2002 11:10

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-17-S-5-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor		
01655	Lead	7439-92-1	368.	0.94	mg/kg	1		
01726	TPH-GRO - Soils							
01727	TPH-GRO - Soils	n.a.	35.	4.0	mg/kg	100		
	The reported concentration of Tigasoline constituents eluting postart time. The analysis for volatiles was point methanol. The reporting lime. Poor surrogate recoveries were needed to perform the analysis.	rior to the C6 performed on a its were adjust	(n-hexane) TPH-G sample which was ted appropriately	RO range preserved				
02160	BTEX/MTBE							
02174	Benzene	71-43-2	0.082	0.0050	mg/kg	25		
02177	Toluene	108-88-3	0.78	0.0050	mg/kg	25		
02178	Ethylbenzene	100-41-4	0.54	0.0050	mg/kg	25		
02173	Total Xylenes	1330-20-7	1.2	0.015	mg/kg	25		
02102	MTBE	1634-04-4	0.22	0.050	mg/kg	25		
321 33	The analysis for volatiles was performed on a sample which was preserved							

in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.

Analysis Name

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842074

Collected:06/21/2002 11:10

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002 at 11:3

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

G-17-S-5-020621

NA

Soil

Facility# 206145

GRRC

800 Center St-Oakland T0600102230 G-17

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/10/2002 06:54 06/27/2002 11:40	Donna R Sackett Stephanie A Selis	1 100
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 07:11	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:05	Martha L Seidel	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 07:15	Liana C Jones	1



3842075 Lancaster Laboratories Sample No. SW

Collected: 06/21/2002 11:15

by AS

Account Number: 10992

San Ramon CA 94583

As Received

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

Soil

G-17-S-10-020621 Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-17

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CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	5.7	0.93	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	420.	100.	mg/kg	2500
	The reported concentration of TI	PH-GRO does not	include MTBE or	other		
	gasoline constituents eluting pr				mg/kg	
	start time.					
	The analysis for volatiles was p	performed on a	sample which was	preserved		
	in methanol. The reporting limit					
	Poor surrogate recoveries were	observed for th	nis sample due to	the dilution		
	needed to perform the analysis.					
02160	BTEX/MTBE					
02100						
02174	Benzene	71-43-2	0.62	0.50		2500
02177	Toluene	108-88-3	9.2	0.50	mg/kg	2500
02178	Ethylbenzene	100-41-4	9.9	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	41.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	N.D.	5.0	mg/kg	2500
			comple which was	nrecerved		

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained for MTBE.



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842075

Collected:06/21/2002 11:15

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

NA Soil

G-17-S-10-020621 Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-17

Laboratory Chronicle

CAT				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/10/2002 06:58	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/27/2002 07:48	Stephanie A Selis	2500
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 07:48	Stephanie A Selis	2500
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:06	Martha L Seidel	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/03/2002 07:15	Liana C Jones	1



Lancaster Laboratories Sample No. SW 3842076

Collected:06/21/2002 10:40

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002

San Ramon CA 94583

ChevronTexaco

G-18-S-5-020621

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GRRC

Facility# 206145 800 Center St-Oakland

T0600102230 G-18

Soil

CAT			As Received	As Received Method		Dilution			
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor			
01655	Lead	7439-92-1	3.7	0.94	mg/kg	1			
01726	TPH-GRO - Soils								
01727	TPH-GRO - Soils The reported concentration of Tigasoline constituents eluting protections of the start time. The analysis for volatiles was prince methanol. The reporting limits Poor surrogate recoveries were conceded to perform the analysis.	rior to the C6 performed on a its were adjust	(n-hexane) TPH-G sample which was ted appropriately	RO range preserved	mg/kg	100			
02160	BTEX/MTBE								
02174	Benzene	71-43-2	0.11	0.020	mg/kg	100			
02177	Toluene	108-88-3	1.1	0.020	mg/kg	100			
02178	Ethylbenzene	100-41-4	0.76	0.020	mg/kg	100			
02182	Total Xylenes	1330-20-7	2.6	0.060	mg/kg	100			
02199	MTBE	1634-04-4	N.D.	0.20	mg/kg	100			
	The analysis for volatiles was performed on a sample which was preserved								

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

Due to the nature of the sample matrix, normal reporting limits were not attained for MTBE.

in methanol. The reporting limits were adjusted appropriately.





Page 2 of 2

Lancaster Laboratories Sample No. 3842076

Collected:06/21/2002 10:40

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

G-18-S-5-020621 Facility# 206145 NA Soil

800 Center St-Oakland

T0600102230 G-18

Laboratory Chronicle

GRRC

CAT	- Analysis					
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	06/30/2002 23:19	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/27/2002 12:17	Stephanie A Selis	100
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 12:17	Stephanie A Selis	100
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:07	Martha L Seidel	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/28/2002 13:25	Megan L Ross	1



3842077 Lancaster Laboratories Sample No. SW

Collected:06/21/2002 10:45

by AS

Account Number: 10992

ChevronTexaco

Submitted: 06/26/2002 09:15

800 Center St-Oakland

Reported: 07/12/2002 at 11:35

6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-18-S-10-020621

NΑ

Soil

Facility# 206145

T0600102230 G-18

G. D.			As Received	As Received Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	5.0	0.92	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of Tigasoline constituents eluting postart time. The analysis for volatiles was point methanol. The reporting limit	rior to the C6	(n-hexane) TPH-	GRO range s preserved	mg/kg	2500
	A poor surrogate recovery was of perform the analysis.	bserved due to	the dilution ne	eded to		
02160	BTEX/MTBE					

GRRC

02160 BTEX/MTBE

02174	Benzene	71-43-2	4.9	0.50	mg/kg	2500
02177	Toluene	108-88-3	68.	0.50	mg/kg	2500
02178	Ethylbenzene	100-41-4	51.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	220.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	N.D.	5.0	mg/kg	2500

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116





Page 2 of 2

Lancaster Laboratories Sample No. 3842077

Collected:06/21/2002 10:45

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:35

Discard: 07/20/2002

NA Soil

G-18-S-10-020621 Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-18

Laboratory Chronicle

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	06/30/2002 23:24	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/27/2002 07:45	Stephanie A Selis	2500
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 07:45	Stephanie A Selis	2500
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:10	Deborah S Garrison	n.a.
05708	SW SW046 ICP Digest	SW-846 3050B	1	06/28/2002 13:25	Megan L Ross	I.



Lancaster Laboratories Sample No. SW 3842078

Collected:06/21/2002 10:25

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

800 Center St-Oakland

Reported: 07/12/2002 at 11:36

6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002

San Ramon CA 94583

ChevronTexaco

G-19-S-5-020621

NA

Soil

Facility# 206145

GRRC T0600102230 G-19

CAT			As Received	As Received Method		Dilution	
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor	
01655	Lead	7439-92-1	2.6	0.93	mg/kg	1	
01726	TPH-GRO - Soils						
01727	TPH-GRO - Soils n.a. N.D. 1.0 mg/kg 25 The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.						
02160	BTEX/MTBE						
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25	
02177	Toluene	108-88-3	N.D.	0.0050	mg/kg	25	
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25	
02182	Total Xylenes	1330-20-7	N.D.	0.015	mg/kg	25	
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25	
	The analysis for volatiles was	performed on a	sample which wa	s preserved			

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

State of California Lab Certification No. 2116

		Laboratory	Chro:	nicle		
CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	06/30/2002 23:41	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/27/2002 08:23	Stephanie A Selis	25
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 08:23	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:12	Deborah S Garrison	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/28/2002 13:25	Megan L Ross	1



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842078

Collected:06/21/2002 10:25

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:36

Discard: 07/20/2002

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Soil

GRRC

G-19-S-5-020621 Facility# 206145

800 Center St-Oakland

T0600102230 G-19



Lancaster Laboratories Sample No. 3842079

Collected:06/21/2002 10:30

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

ChevronTexaco

Reported: 07/12/2002 at 11:36

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

he beceived

Discard: 07/20/2002 G-19-S-10-020621

NA

Soil

GRRC

Facility# 206145

T0600102230 G-19 800 Center St-Oakland

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	5.8	0.92	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim A poor surrogate recovery was o perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH- sample which wa ted appropriatel	GRO range s preserved y.	mg/kg	10000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	20.	0.50	mg/kg	2500
02177	Toluene	108-88-3	230.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	110.	0.50	mg/kg	2500
02182	Total Xylenes	1330-20-7	450.	1.5	mg/kg	2500
02199	MTBE	1634-04-4	N.D.	5.0	mg/kg	2500
	· · · · · · · · · · · · · · · · · · ·					

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842079

Collected:06/21/2002 10:30

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:36

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

ChevronTexaco

Discard: 07/20/2002

G-19-S-10-020621

NA Soil

Facility# 206145

GRRC

800 Center St-Oakland

T0600102230 G-19

Laboratory Chronicle

CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	06/30/2002 23:46	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	06/27/2002 12:06	Stephanie A Selis	10000
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 09:00	Stephanie A Selis	2500
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 12:06	Stephanie A Selis	10000
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:13	Deborah S Garrison	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/28/2002 13:25	Megan L Ross	1



Lancaster Laboratories Sample No. 3842080

Collected:06/21/2002 09:10

by AS

Account Number: 10992

Submitted: 06/26/2002 09:15

ChevronTexaco

Reported: 07/12/2002 at 11:36

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 07/20/2002

800 Center St-Oakland

G-20-S-5-020621

NA

Soil

GRRC

Facility# 206145

T0600102230 G-20

	•			As Received					
CAT			As Received	Method		Dilution			
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor			
01655	Lead	7439-92-1	4.3	0.93	mg/kg	1			
01726	TPH-GRO - Soils								
01727	TPH-GRO - Soils	n.a.	1,700.	100.	mg/kg	2500			
	The reported concentration of T	PH-GRO does no	t include MTBE o	r other					
	gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range								
	start time.								
	The analysis for volatiles was	performed on a	sample which wa	s preserved					
	in methanol. The reporting lim	its were adjus	ted appropriatel	У·					
	A poor surrogate recovery was o	bserved due to	the dilution ne	eded to					
	perform the analysis.								
02160	BTEX/MTBE								
02174	Benzene	71-43-2	3.2	0.50	mg/kg	2500			
02177	Toluene	108-88-3	31.	0.50	mg/kg	2500			
02178	Ethylbenzene	100-41-4	30.	0.50	mg/kg	2500			
02182	Total Xylenes	1330-20-7	140.	1.5	mg/kg	2500			
02199	MTBE	1634-04-4	N.D.	5.0	mg/kg	2500			
	The analysis for volatiles was	performed on a	sample which wa	s preserved					

The reporting limits were raised because sample dilution was necessary to bring target compounds into the calibration range of the system.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

in methanol. The reporting limits were adjusted appropriately.

State of California Lab Certification No. 2116





Page 2 of 2

Lancaster Laboratories Sample No. SW 3842080

Collected:06/21/2002 09:10

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:36

Discard: 07/20/2002

Soil

G-20-S-5-020621

NA

011

Facility# 206145 800 Center St-Oakland

T0600102230 G-20

Laboratory Chronicle

GRRC

		2 4202402				
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	06/30/2002 23:51	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/27/2002 09:38	Stephanie A Selis	2500
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 09:38	Stephanie A Selis	2500
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:14	Deborah S Garrison	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/28/2002 13:25	Megan L Ross	1



Lancaster Laboratories Sample No. SW 3842081

Collected: 06/21/2002 09:15 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:36 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-20-S-10-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-20

CAT			As Received	As Received Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	5.1	0.93	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils The reported concentration of T gasoline constituents eluting p start time. The analysis for volatiles was in methanol. The reporting lim A poor surrogate recovery was of perform the analysis.	rior to the C6 performed on a its were adjus	(n-hexane) TPH-G sample which was ted appropriately	RO range preserved	mg/kg	10000
02160	BTEX/MTBE					
02174	Benzene	71-43-2	26.	2.0	mg/kg	10000
02177	Toluene	108~88~3	360.	2.0	mg/kg	10000
02178	Ethylbenzene	100-41-4	200.	2.0	mg/kg	10000
02182	Total Xylenes	1330-20-7	860.	6.0	mg/kg	10000
02199	MTBE	1634-04-4	N.D.	20.	mg/kg	10000
	The analysis for volatiles was in methanol. The reporting lim					

Poor surrogate recoveries were observed for this sample due to the dilution needed to perform the analysis.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT Analysis Name Method Trial# Date and Time Analyst Factor



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842081

Collected:06/21/2002 09:15 by AS Account Number: 10992

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:36 6001 Bollinger Canyon Rd L4310

Soil

Discard: 07/20/2002 San Ramon CA 94583

G-20-S-10-020621 NA

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-20

01655 01726	Lead TPH-GRO - Soils	SW-846 6010B N. CA LUFT Gasoline Method	1	07/01/2002 03:30 06/27/2002 12:43	Donna R Sackett Stephanie A Selis	1 10000
02160	BTEX/MTBE GC VOA Soil Prep	SW-846 8021B SW-846 5035	1	06/27/2002 12:43 06/26/2002 22:17	Stephanie A Selis Deborah S Garrison	10000 n.a.
01150 05708	SW SW846 ICP Digest	SW-846 3050B	1	06/27/2002 16:15	Megan L Ross	1

ChevronTexaco



Lancaster Laboratories Sample No. SW 3842082

Collected: 06/21/2002 07:55 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:36 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-21-S-5-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-21

CAT			As Received	As Received Method		Dilution			
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor			
01655	Lead	7439-92-1	4.2	0.93	mg/kg	1			
01726	TPH-GRO - Soils								
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25			
	The reported concentration of The	PH-GRO does not	include MTBE or	other					
	gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.								
	The analysis for volatiles was p	performed on a	sample which was	preserved					
	in methanol. The reporting lim								
02160	BTEX/MTBE								
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25			
02177	Toluene	108-88-3	0.016	0.0050	mg/kg	25			
02178	Ethylbenzene	100-41-4	N.D.	0.0050	mg/kg	25			
02182	Total Xylenes	1330-20-7	0.016	0.015	mg/kg	25			
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25			
	The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.								

State of California Lab Certification No. 2116

		Laboratory	r Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/01/2002 03:35	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/29/2002 06:13	Steven A Skiles	25
		Method	-	06/29/2002 06:13	Steven A Skiles	25
02160	BTEX/MTBE	SW-846 8021B	μ.	• •		
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:18	Deborah S Garrison	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/27/2002 16:15	Megan L Ross	1.



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842082

Collected:06/21/2002 07:55

by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:36

Discard: 07/20/2002

Soil

G-21-S-5-020621

Facility# 206145

GRRC

T0600102230 G-21 800 Center St-Oakland



Lancaster Laboratories Sample No. SW 3842083

Collected: 06/21/2002 08:00 by AS Account Number: 10992

Submitted: 06/26/2002 09:15 ChevronTexaco

Reported: 07/12/2002 at 11:36 6001 Bollinger Canyon Rd L4310

Discard: 07/20/2002 San Ramon CA 94583

G-21-S-10-020621 NA Soil

Facility# 206145 GRRC

800 Center St-Oakland T0600102230 G-21

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01655	Lead	7439-92-1	44.0	0.94	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	1.0	1.0	mg/kg	25
	The reported concentration of Ti	PH-GRO does not	include MTBE or	other		
	gasoline constituents eluting pr	rior to the C6	(n-hexane) TPH-G	RO range		
	start time.					
	The analysis for volatiles was p	performed on a	sample which was	preserved		
	in methanol. The reporting lim	its were adjust	ced appropriately	·•		
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.0091	0.0050	mg/kg	25
02177	Toluene	108-88-3	0.18	0.0050	mg/kg	25
02178	Ethylbenzene	100-41-4	0.055	0.0050	mg/kg	25
02182	Total Xylenes	1330-20-7	0.23	0.015	mg/kg	25
02199	MTBE	1634-04-4	N.D.	0.050	mg/kg	25
	The analysis for volatiles was p	performed on a	sample which was	preserv e d		
	in methanol. The reporting lim	its were adjust	ted appropriately	·.		

State of California Lab Certification No. 2116

		Laboratory	Chro	nicle		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01655	Lead	SW-846 6010B	1	07/01/2002 03:50	Donna R Sackett	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline	1	06/27/2002 01:34	Martha L Seidel	25
		Method				
02160	BTEX/MTBE	SW-846 8021B	1	06/27/2002 01:34	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	06/26/2002 22:19	Deborah S Garrison	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	06/27/2002 16:15	Megan L Ross	1



Page 2 of 2

Lancaster Laboratories Sample No. SW 3842083

Collected:06/21/2002 08:00 by AS

Account Number: 10992

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

GRRC

Submitted: 06/26/2002 09:15

Reported: 07/12/2002 at 11:36

Discard: 07/20/2002

NA Soil

G-21-S-10-020621 Facility# 206145

800 Center St-Oakland

T0600102230 G-21



Client Name: ChevronTexaco Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
inter j bi bi i i i i i i i i i i i i i i i i		===						
Batch number: 02177A31A	Sample nur	mber(s):	3842083					
TPH-GRO - Soils	N.D.	1.	mg/kg	94		75-117		
Benzene	N.D.	.005	mg/kg	108		84-132		
Toluene	N.D.	.005	mg/kg	108		88-116		
Ethylbenzene	N.D.	.005	mg/kg	107		87-127		
Total Xylenes	N.D.	.015	mg/kg	108		88-120		
MTBE	N.D.	.05	mg/kg	119		64~158		
Batch number: 02177A31B	Sample nu	mber(s):	3842077-38	12081				
TPH-GRO - Soils	N.D.	1.	mg/kg	94		75-117		
Benzene	N.D.	.005	mg/kg	108		84-132		
Toluene	N.D.	.005	mg/kg	108		88-116		
Ethylbenzene	N.D.	.005	mg/kg	107		87-127		
Total Xylenes	N.D.	.015	mg/kg	108		88-120		
MTBE	N.D.	.05	mg/kg	119		64-158		
	0	-1/>	2042070 20	42072				
Batch number: 02177A33A	=		3842070-38	420 <i>72</i> 86		75-117		
TPH-GRO - Soils	N.D.	1.	mg/kg	114		84-132		
Benzene	N.D.	.005	mg/kg	113		88-116		
Toluene	N.D.	-005	mg/kg			87-127		
Ethylbenzene	N.D.	.005	mg/kg	115 114		88-120		
Total Xylenes	N.D.	.015	mg/kg	114		64-158		
MTBE	N.D.	.05	mg/kg	110		04-150		
Batch number: 02177A33B	Sample num	mber(s):	3842042-38	42043,384	2071,38420	73-3842076		
TPH-GRO - Soils	N.D.	1.	mg/kg	86		75-117		
Benzene	N.D.	.005	mg/kg	114		84-132		
Toluene	N.D.	.005	mg/kg	113		88-116		
Ethylbenzene	N.D.	.005	mg/kg	115		87-127		
Total Xylenes	N.D.	.015	mg/kg	114		88-120		
MTBE	N.D.	.05	mg/kg	110		64-158		
Batch number: 02177A33C	Sample nu	mber(s):	3842044-38	42045,384	2049,38420	51-3842053		
TPH-GRO - Soils	N.D.	1.	mg/kg	86		75-117		
Benzene	N.D.	.005	mg/kg	114		84-132		
Toluene	N.D.	.005	mg/kg	113		88-116		
Ethylbenzene	N.D.	.005	mg/kg	115		87-127		
Total Xylenes	N.D.	.015	mg/kg	114		88-120		
MTBE	N.D.	.05	mg/kg	110		64-158		
Bahah numban 022577722	Comple was	mbor(a):	2012012 20	45044-394	12046 38420	48-3842051,38	42054	
Batch number: 02177A33D	_			4∠∪44-364 86	. 4040, 30420	75-117		
TPH-GRO - Soils	N.D.	1.	mg/kg	86 114		84-132		
Benzene	N.D.	.005	mg/kg	113		88-116		
Toluene	N.D.	.005	mg/kg			87-127		
Ethylbenzene	N.D.	.005	mg/kg	115		88-120		
Total Xylenes	N.D.	.015	mg/kg	114		64-158		
MTBE	N.D.	. 05	mg/kg	110		24-170		

- (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.





Page 2 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Laboratory Compliance Quality Control

	Blank	Blank	Report	LCS	LCSD	LCS/LCSD		
Analysis Name	Result	MDL	Units	%REC	%REC	Limits	RPD	RPD Max
Batch number: 02177A33E	Sample	number(s):	3842043,38	42047,3	842053			
TPH-GRO - Soils	N.D.	1.	mg/kg	86		75-117		
Benzene	N.D.	.005	mg/kg	114		84-132		
Toluene	N.D.	.005	mg/kg	113		88-116		
Ethylbenzene	N.D.	.005	mg/kg	115		87-127		
Total Xylenes	N.D.	.015	mg/kg	114		88-120		
MTBE	N.D.	.05	mg/kg	110		64-158		
Batch number: 021785708007	Sample	number(s):	3842081-38	42083				
Lead	N.D.	.94	mg/kg	100		86-109		
Batch number: 021795708005	Sample	number(s):	3842076-38	42080				
Lead	N.D.	.94	mg/kg	102		86-109		
			-					
Batch number: 02179A33B	Sample	number(s):	3842055-38	42056,3	842058,38420	82		
TPH-GRO - Soils	N.D.	1.	mg/kg	90		75-117		
Benzene	N.D.	.005	mg/kg	115		84-132		
Toluene	N.D.	.005	mg/kg	115		88-116		
Ethylbenzene	N.D.	.005	mg/kg	117		87-127		
Total Xylenes	N.D.	.015	mg/kg	115		88-120		
MTBE	N.D.	. 05	mg/kg	106		64-158		
Batch number: 02179A33C	Sample	number(s):	3842057-38	42059,3	842068-38420	69		
TPH-GRO - Soils	N.D.	1.	mg/kg	90		75-117		
Benzene	N.D.	.005	πg/kg	115		84-132		
Toluene	N.D.	.005	mg/kg	115		88-116		
Ethylbenzene	N.D.	.005	mg/kg	117		87-127		
Total Xylenes	N.D.	.015	mg/kg	115		88-120		
MTBE	N.D.	.05	πg/kg	106		64-158		
Batch number: 02179A33D	Sample	number(s):	3842059					
Total Xylenes	N.D.	.015	mg/kg	115		88-120		
Batch number: 021805708001	Sample	number(s):	3842042-38	42044				
Lead	N D	. 94	mg/kg	97		86-109		
Batch number: 021805708002	Sample	number(s):	3842045-38	42046				
Lead	N.D.	. 94	mg/kg	99		86-109		
Batch number: 02182A36A	Sample	number(s):	3842060,38	42062,3	842064,38420			
TPH-GRO - Soils	N.D.	1.	mg/kg	86		75-117		
Benzene	N.D.	.005	mg/kg	113		84-132		
Toluene	N.D.	.005	mg/kg	111		88-116		
Ethylbenzene	N.D.	.005	mg/kg	111		87-127		
Total Xylenes	N.D.	.015	mg/kg	110		88-120		
MTBE	N.D.	.05	mg/kg	123		64-158		
Batch number: 02182A36B	Sample	number(s):	3842061,38	42063				
TPH-GRO - Soils	N.D.	1.	mg/kg	86		75-117		

- (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.





Page 3 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Laboratory Compliance Quality Control

Batch number: 02182A36C	Analysis Name Ethylbenzene Total Xylenes	Blank Result N.D. N.D.	Blank MDL .005 .015	Report <u>Units</u> mg/kg mg/kg	LCS %REC 111 110	LCSD %RBC	LCS/LCSD Limits 87-127 88-120	RPD	RPD Max
TPH-GRO - Soils	Batch number: 02182A36C	Sample nur	mber(s): 3	842063,38	42065,3842	:067			
Toluene N.D005 mg/kg 111 88-116 Ethylbenzene N.D005 mg/kg 111 87-127 Total Xylenes N.D015 mg/kg 110 88-120 MTBE N.D05 mg/kg 123 64-158 Batch number: 02182A36D Sample number(s): 3842061 Benzene N.D005 mg/kg 113 84-132 Toluene N.D005 mg/kg 111 88-116 MTBE N.D005 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	TPH-GRO - Soils	-					75-117		
Ethylbenzene N.D005 mg/kg 111 87-127 Total Xylenes N.D015 mg/kg 110 88-120 MTBE N.D05 mg/kg 123 64-158 Batch number: 02182A36D Sample number(s): 3842061 Benzene N.D005 mg/kg 113 84-132 Toluene N.D005 mg/kg 111 88-116 MTBE N.D05 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	Benzene	N.D.	.005	mg/kg	113		84-132		
Total Xylenes N.D015 mg/kg 110 88-120 MTBE N.D05 mg/kg 123 64-158 Batch number: 02182A36D Sample number(s): 3842061 Benzene N.D005 mg/kg 113 84-132 Toluene N.D005 mg/kg 111 88-116 MTBE N.D05 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	Toluene	N.D.	.005	mg/kg	111		88-116		
MTBE N.D05 mg/kg 123 64-158 Batch number: 02182A36D Sample number(s): 3842061 Benzene N.D005 mg/kg 113 84-132 Toluene N.D005 mg/kg 111 88-116 MTBE N.D05 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	Ethylbenzene	N.D.	.005	mg/kg	111		87-127		
Batch number: 02182A36D Sample number(s): 3842061 Benzene N.D005 mg/kg 113 84-132 Toluene N.D005 mg/kg 111 88-116 MTBE N.D05 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	Total Xylenes	N.D.	.015	mg/kg	110		88-120		
Benzene N.D. .005 mg/kg 113 84-132 Toluene N.D. .005 mg/kg 111 88-116 MTBE N.D. .05 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 86-109 Lead N.D. .94 mg/kg 99 86-109	MTBE	N.D.	.05	mg/kg	123		64-158		
Toluene N.D005 mg/kg 111 88-116 MTBE N,D05 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	Batch number: 02182A36D	Sample nur	mber(s): 3	842061					
MTBE N.D05 mg/kg 123 64-158 Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	Benzene	N.D.	.005	mg/kg	113		84-132		
Batch number: 021845708001 Sample number(s): 3842047-3842066 Lead N.D94 mg/kg 99 86-109	Toluene	N.D.	.005	mg/kg	111		88-116		
Lead N.D94 mg/kg 99 86-109	MTBE	N.D.	.05	mg/kg	123		64-158		
1,2, 2, 1,5	Batch number: 021845708001	Sample nur	mber(s): 3	842047-38	42066				
Patch number: 023045700000	Lead	N.D.	. 94	mg/kg	99		86-109		
	Batch number: 021845708002	Sample nur	mber(s): 3	842067-38	42075				
Lead N.D94 mg/kg 100 86-109		-					86-109		

Sample Matrix Quality Control

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 02177A31A	Sample	number	(s): 384208	3					
TPH-GRO - Soils	87	87	44-116	0	30				
Benzene	124	130	56-142	4	30				
Toluene	84	81	66-120	3	30				
Ethylbenzene	93	90	66-131	3	30				
Total Xylenes	88	85	67-122	2	30				
MTBE	105	111	42-163	6	30				
Batch number: 02177A31B	Sample	number	(s): 384207	7-38420	81				
TPH-GRO - Soils	87	87	44-116	0	30				
Benzene	124	130	56-142	4	30				
Toluene	84	81	66-120	3	30				
Ethylbenzene	93	90	66-131	3	30				
Total Xylenes	88	85	67-122	2	30				
MTBE	105	111	42-163	6	30				
Batch number: 02177A33A	Sample	number	(s): 384207	0-38420	172				
TPH-GRO - Soils	78	84	44-116	7	30				
Benzene	114	113	56-142	1	30				

- (1) The result for one or both determinations was less than five times the LOQ.
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Page 4 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Sample Matrix Quality Control

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Toluene	92	92	66-120	1	30				
Ethylbenzene	107	107	66-131	0	30				
Total Xylenes	98	96	67-122	1	30				
MTBE	135	134	42-163	1	30				
Batch number: 02177A33B	_		(s): 384204			2071,38420	73-3842076		
TPH-GRO - Soils	78	84	44-116	7	30				
Benzene	114	113	56-142	1	30				
Toluene	92	92	66-120	1	30				
Ethylbenzene	107	107	66-131	0	30				
Total Xylenes	98	96	67-122	1	30				
MTBE	135	134	42-163	1	30				
Batch number: 02177A33C	Sample	number	(в): 384204	44-38420	45,384	2049,38420	51-3842053		
TPH-GRO - Soils	78	84	44-116	7	30	,			
Benzene	114	113	56-142	1	30				
Toluene	92	92	66-120	1	30				
Ethylbenzene	107	107	66-131	0	30				
Total Xylenes	98	96	67-122	1	30				
MTBE	135	134	42-163	1	30				
FILDS	144	131	12 103	-					
Batch number: 02177A33D	_					2046,38420	48-3842051,	3842054	
TPH-GRO - Soils	78	84	44-116	7	30				
Benzene	114	113	56-142	1	30				
Toluene	92	92	66-120	1	30				
Ethylbenzene	107	107	66-131	0	30				
Total Xylenes	98	96	67-122	1	30				
MTBE	135	134	42~163	1	30				
D-1-1	Comm1.	- mmh.a.	(s): 384204	42 20420	147 204	2052			
Batch number: 02177A33E TPH-GRO - Soils	78	84	44-116	13,36420 7	30	2033			
	114	113	56-142	1	30				
Benzene	92	92	66-120	1	30				
Toluene				0	30				
Ethylbenzene	107	107	66-131				•		
Total Xylenes	98	96	67-122	1	30 30				
MTBE	135	134	42-163	1	30				
Batch number: 021785708007	Sample	number	(s): 38420	81-38420	83				
Lead	(2)	(2)	75-125	1	20	225.	227.	1	20
	, ,								
Batch number: 021795708005	Sample	e number	(s): 38420°						
Lead	93	91	75-125	2	20	11.1	10.4	7 (1)	20
Batch number: 02179A33B	Sampl.	a number	(s): 384209	55-38420)56.384	2058.38420	82		
TPH-GRO - Soils	87	95	44-116	9	30				
	136	149*	56-142	9	30				
Benzene	104	115	66-120	10	30				
Toluene				8	30				
Ethylbenzene	119	129	66-131	0	20				

- (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.





Page 5 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Sample Matrix Quality Control

	MS	dem	ms/msd		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Total Xylenes	108	120	67-122	10	30				
MTBE	160	173*	42-163	8	30				
Batch number: 02179A33C	~	number				2068-3842069			
TPH-GRO - Soils	87	95	44-116	9	30				
Benzene	136	149*	56-142	9	30				
Toluene	104	115	66-120	10	30				
Ethylbenzene	119	129	66-131	8	30				
Total Xylenes	108	120	67-122	10	30				
MTBE	160	173*	42-163	8	30				
D. J. J	0 1 -		(~). 20420E	n					
Batch number: 02179A33D	_		(s): 384205:		30				
Total Xylenes	108	120	67-122	10	30				
Batch number: 021805708001	Sample	number	(s): 384204:	2-38420	144				
Lead	93	95	75-125	1	20	11.2	11.0	2 (1)	20
Batch number: 021805708002	Sample	number	(s): 384204	5-38420	146				
Lead	(2)	(2)	75-125	2	20	244.	237.	3	20
Batch number: 02182A36A						2064,3842066			
TPH-GRO - Soils	81	83	44-116	3	30				
Benzene	121	133	56-142	10	30				
Toluene	94	103	66-120	9	30				
Ethylbenzene	105	115	66-131	9	30				
Total Xylenes	96	105	67-122	9	30				
MTBE	153	169*	42-163	10	30				
Batch number: 02182A36B	Samale	number	(s): 384206	1 38426	163				
TPH-GRO - Soils	81	83	44-116	3	30				
Ethylbenzene	105	115	66-131	9	30				
Total Xylenes	96	105	67-122	9	30				
Total Aylenes	70	105	0, 122						
Batch number: 02182A36C	Sample	number	(s): 384206	3,38420	65,384	2067			
TPH-GRO - Soils	81	83	44-116	3	30				
Benzene	121	133	56-142	10	30				
Toluene	94	103	66-120	9	30				
Ethylbenzene	105	115	66-131	9	30				
Total Xylenes	96	105	67-122	9	30				
MTBE	153	169*	42-163	10	30				
Batch number: 02182A36D	Sample	number	(s): 384206						
Benzene	121	133	56-142	10	30				
Toluene	94	103	66-120	9	30				
MTBE	153	169*	42-163	10	30				
Batch number: 021845708001	-		(s): 384204			7 5	9.4	23* (1)	20
Lead	109	98	75-125	9	20	7.5	9.4	23 - (I)	20

- (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.





Page 6 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Sample Matrix Quality Control

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	<u>max</u>	Conc	Conc	RPD	Max
Batch number: 021845708002	Sample	number	(s): 384206	7-38420	75				
Lead	97	99	75-125	1	20	6.2	6.7	7 (1)	20

Surrogate Quality Control

Analysis Name: BTEX/MTBE

Bacch numb	er: 02177A31A		
	Trifluorotoluene-F	Trifluorotoluene-P	
3842083	99	104	
Blank	101	101	
LCS	102	101	
MS	104	98	
MSD	108	103	
Limits:	61-127	68-122	
-	Jame: BTEX/MTBE		
Batch numb	er: 02177A31B		
	Trifluorotoluene-F	Trifluorotoluene-P	
3842077	6*	2*	
3842078	94	96	
3842079	5*	3*	
3842080	5*	1*	
3842081	6*	0*	
Blank	99	103	
LCS	102	101	
MS	104	98	
MSD	108	103	
Limits:	61-127	68-122	
Analysic N	Jame: BTEX/MTBE		
-	per: 02177A33A		
	Trifluorotoluene-F	Trifluorotoluene-P	
3842070	93	104	
3842071		24*	

MSD 94

3842072

Blank LCS

MS

90

97

84

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.

101

107

109 99

105

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





Page 7 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Surrogate Quality Control

Limits:	61-127	68-122	
Analysis N	lame: BTEX/MTBE		
Batch numb	er: 02177A33B		
	Trifluorotolueme-F	Trifluorotoluene-P	
3842042		5*	
3842043		28*	
3842071	7*		
3842073	9*	9*	
3842074	107	110	
3842075	3*	2*	
3842076	27*	31*	
Blank	84	101	
LCS	91	109	
MS	84	99	
MSD	94	105	
Limits:	61-127	68-122	<u></u>
	Name: BTEX/MTBE		
Batch numb	er: 02177A33C		
	Trifluorotoluene-F	Trifluorotoluene-P	
3842044	· · · · · · · · · · · · · · · · · · ·	9*	
3842045		57*	
3842049		27*	
3842051		111 .	
3842052	93	110	
3842053		29*	
Blank	89	104	
LCS	91	109	
MS	84	99	
MSD	94	105	
Limits:	61-127	68-122	
-	Name: BTEX/MTBE		
Batch numb	per: 02177A33D	_ 142	
	Trifluorotoluene-F	Trifluorotoluene-P	
3842042	3*		
3842044	5*		
3842045	8*		
3842046	85	100	
3842048	90	108	
3842049	6*		
3842050	85	101	
3842051	26*		
3842054	97	111	
Blank	90	105	

- (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.





Page 8 of 10

	i: 07/12/02 at 11:36	ΔM
керотсео	1: 0//12/02 at 11:36	Surrogate Quality Control
cs	91	109
MS	84	99
MSD	94	105
Limits:	61-127	68-122
	lame: BTEX/MTBE	
Batch numb	per: 02177A33E	
	Trifluorotoluene-F	Trifluorotoluene-P
3842043	7*	
3842047	10*	12*
3842053	7*	
Blank	96	108
LC\$	91	109
MS	84	99
MSD	94	105
Limits:	61-127	68-122
	Jame: BTEX/MTBE Der: 02179A33B Trifluorotoluene-F	Trifluorotoluene-P
3842055	7*	7*
	7* 4*	
3842056	·	7*
3842056 3842058	·	7* 4*
3842056 3842058 3842082	4*	7* 4* 3*
3842056 3842058 3842082 Blank	4* 91	7* 4* 3* 109
3842056 3842058 3842082 Blank LCS	4* 91 90	7* 4* 3* 109 106
3842056 3842058 3842082 Blank LCS MS	4* 91 90 92	7* 4* 3* 109 106 111
3842056 3842058 3842082 Blank LCS MS	4* 91 90 92 99	7* 4* 3* 109 106 111 118 122
3842056 3842058 3842082 Blank LCS MS MSD	91 90 92 99 102	7* 4* 3* 109 106 111 118
3842056 3842058 3842082 Blank LCS MS MSD Limits:	4* 91 90 92 99 102 61-127 Name: BTEX/MTBE	7* 4* 3* 109 106 111 118 122
3842056 3842058 3842082 Blank LCS MS MSD Limits:	91 90 92 99 102	7* 4* 3* 109 106 111 118 122
3842056 3842058 3842082 Blank LCS MS MSD Limits: Analysis N	4* 91 90 92 99 102 61-127 Name: BTEX/MTBE per: 02179A33C Trifluorotoluene-F	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P
8842056 8842058 8842082 31ank LCS 48 4SD Limits: Analysis N	91 90 92 99 102 61-127 Vame: BTEX/MTBE ber: 02179A33C Trifluorotoluene-F	7* 4* 3* 109 106 111 118 122
8842056 8842058 8842082 31ank LCS 48 MSD Limits: Analysis N 3atch numb	91 90 92 99 102 61-127 Name: BTEX/MTBE ber: 02179A33C Trifluorotoluene-F	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P
8842056 8842058 8842082 31ank LCS 4S MSD Limits: Analysis M 3atch numb	91 90 92 99 102 61-127 Name: BTEX/MTBE ber: 02179A33C Trifluorotoluene-F	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P 11*
8842056 8842058 8842082 91ank LCS 48 MSD Limits: Analysis M 8atch numb 8842057 8842058 8842058	91 90 92 99 102 61-127 Vame: BTEX/MTBE ber: 02179A33C Trifluorotoluene-F	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P 11* 11* 7*
8842056 8842058 8842082 31ank LCS 4S MSD Limits: Analysis M 3842057 3842058 3842059 3842068	91 90 92 99 102 61-127 Vame: BTEX/MTBE ber: 02179A33C Trifluorotoluene-F	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P 11* 11* 7* 10*
3842056 3842058 3842082 Blank LCS MSD Limits: Analysis N Batch numk 3842057 3842058 3842059 3842068 3842069 Blank	91 90 92 99 102 61-127 Name: BTEX/MTBE Der: 02179A33C Trifluorotoluene-F 10* 1* 10* 7* 9* 98	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P 11* 11* 7* 10* 111
3842056 3842058 3842082 Blank LCS MSD Limits: Analysis N Batch numb 3842057 3842058 3842059 3842068 3842069 Blank LCS	91 90 92 99 102 61-127 Name: BTEX/MTBE Der: 02179A33C Trifluorotoluene-F 10* 1* 10* 7* 9* 98 92	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P 11* 11* 7* 10* 111 111
3842056 3842058 3842082 Blank LCS MS MSD	91 90 92 99 102 61-127 Name: BTEX/MTBE Der: 02179A33C Trifluorotoluene-F 10* 1* 10* 7* 9* 98	7* 4* 3* 109 106 111 118 122 68-122 Trifluorotoluene-P 11* 11* 7* 10* 111

Analysis Name: BTEX/MTBE

61-127

Limits:

*- Outside of specification

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

68-122

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





Page 9 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Surrogate Quality Control

Batch number: 02179A33D

Batch numb	er: 02179A33D		
	Trifluorotoluene-F	Trifluorotoluene-P	
Blank	93	108	
LCS	92	111	
MS	99	118	
MSD	102	122	
Limits:	61-127	68-122	
Analysis N	Jame: BTEX/MTBE		
	er: 02182A36A		
	Trifluorotoluene-F	Trifluorotoluene-P	
3842060	95	101	
3842062	89	101	
3842064	91	108	
3842066	88	94	
Blank	88	97	
LCS	90	99	
MS	89	103	
MSD	90	107	
Limits:	61-127	68-122	
	Hame: BTEX/MTBE Der: 02182A36B Trifluorotoluene-F	Trifluorotoluene-P	
3842061	 5*		
3842063	0*		
Blank	92	100	
LCS	90	99	
MS	89	103	
MSD	90	107	
Limits:	61-127	68-122	
Analysis 1	Name: BTEX/MTBE		
	per: 02182A36C		
	Trifluorotoluene-F	Trifluorotoluene-P	
3842063	······································	27*	
3842065	11*	10*	
3842067	7*	13*	
Blank	102	103	
LCS	90	99	
MS	89	103	
MSD	90	107	
Limits:	61-127	68-122	

- (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.





Page 10 of 10

Client Name: ChevronTexaco

Group Number: 812649

Reported: 07/12/02 at 11:36 AM

Surrogate Quality Control

Analysis Name: BTEX/MTBE Batch number: 02182A36D

	Trifluorotoluene-F	Trifluorotoluene-P	
3842061	<u> </u>	16*	
Blank	91	99	
LCS	90	99	
MS	89	103	
MSD	90	107	
 Limits:	61-127	68-122	-

*- 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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GID T06001022	30 D6	2614 <i>5</i> 6	.4cTl	l			Г			Аг	naly	ses	Requ	ested			7	11000	_		· <i>'</i>
Facility#: Former Cheuron S	s # 2	0-6145	,		Matrix					Pi	rese	rvat	ion (odes			1			e Codes	
Site Address: 800 Center Stra	- 	kland C	¬ <u>A</u>	ĺ			-	┼		\rightarrow	\dashv	\dashv	+	+	-	+	_	= HCI = HNO ₃		= Thiosu = NaOH	
Site Address: 80° Center 5173		<u>голо</u> -	<u></u>	-	-		İ		aunt			4	بالحز					= H ₂ SO ₄		= Other	
Chevron PM: Karzn Streich Lead		_	. 1	1 }	မွ တ	ē.	No.		☐Silica Gel Cleanup					왕				J value re			
Consultant/Office: 3140 Gold Camp			or devo	1	Potable NPDES	Oil ☐ Air ☐ Total Number of Containers	□ 8021 X		<u>s</u>	!	1	1		թ				Must mee possible t	at lowes	t detectio	in limits inds
Consultant Prj. Mgr.: Greg Gurss	<u> </u>	· -				ပ္ပိ	ũ					ST			i		1	21 MTBE			
Consultant Phone #: 96-631-131#	_ Fax #: (911	6)631-13	317-]	\Box	je je	8260	8	8		93	7421			1			Confirm t			30
Sampler: Andrew Snith			ite]		□ ğı		8	Ş	Ę	黑	\Box					1 -	Confirm a			
Service Order #: N	on SAR:	<u> </u>	ျွစ္ခ		is		BTEX + MTBE	TPH 8015 MOD	TPH 8015 MOD DRO	8260 full scan	ő	7420				ļ		Run			
Sample Identification	Date Collected	Time Collected	Grab Composite	Soil	Wat		ä	Œ	屋	828		Lead 7420						Run	_ oxy s	on all hits	ì
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Site Address: 800 Center St.	Oakla	nd CA							₫.			十			+	+	\top	N=	HNO₃	В	= NaOl	1	
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Consultant/Office: 3140 Gold Com]	Potable NPDES	iner	VA.		8		£ S		5					1			g needed st detecti		
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Sampler: Andrew South		site				MTBE	5 MO	S .	SS	Oxygenates	_ 2	- '		ì						by 8260	et hit	l	
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3460 Rev. 7/30/01

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Alal ancaster Laboratories		(30f4) 2402-0	l Anot	#. iC	100	ኃ ,	F- Sample	or La	ncaster	Laborato	ories us	e only	SCR#:	C 3 3 0 - 1	
Lancaster Laboratories Where quality is a science.	06	,2402-0	14	н. <u>гс</u>		z_ `	- A						Group #8	12640	7
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Site Address: 800 Center St. Oc	kland	<u> </u>			H	dnug				 		+	N = HNO ₃	3 = NaOH 3 = Other	inate
Chevron PM: Karen Streich Lead	Consultant:	settler · Ryon >	4 , ,	ត្ត		S			0				☐ J value reportir	g needed	
Consultant/Office: 3140 Gold Count	Drive	12 acho Conduc	Potable □ NPDES	of Containers	D 8021 X	Silica Gel Cleanup			000				☐ Must meet lowe possible for 82		
Consultant Prj. Mgr.: Gra Gorss				ြို့	 	~ I					1 1	1	8021 MTBE Conf	· irmation	1
Consultant Phone #: 916-631-1314	_ Fax #:	16-631-1317			∞ 1	PR 080		Si	7421	1 1			Confirm highes		o
Sampler: Angrew Smith			<u>]</u>	Total Number		TPH 8015 MOD DRO	ES.	Ę					Confirm all hits		
Service Order #: No	on SAR:	Time g		\\Z	BTEX + MTBE	8015	3260 full scan	ő	7420		1		☐Runoxy		
Sample Identification	Date Collected	Time © Collected ©	Soil	<u> </u>	<u> </u>	<u> </u>	8260		Lead				Run oxy	s on all hits	
6-14(5)	6/21/05	1145	X	1	X	X			7				Comments / R	emarks	1
G-14(10)	1	1150	1	1			<u> </u>		11	1			1		
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Consultant Phone #: 016-631-1314	16-631-131	于	\		ō	8260	\sim				'	I ~		S	土		1 MTBE		mation hit by 82	₈₀	
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Data Package Options (please circle if required)				<u>(20)</u>		no	y	5_	6	<u> </u>	1/5	700		14			Me.			6.85-6	_
QC Summary Type I — Full Type VI (Raw Data) □ Coelt Deliverable not need	ied	Relinqui UPS	ished by Fe	Comm		arrier: Other	<u>)</u>		(b)	151 r	l	_	Red	eive	фра:	PL	tên li	M		Date	Time Of (b)
WIP (RWQCB) Disk			ature Up				5,	2		•			Cus	stody	Sea	s intac	17 (Yes)	No		
								-		_											v 7/30/01

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client. 3460 Rev. 7/30/01

CASE NARRATIVE

Prepared For:

Karen Streich Chevron Products Company 6001 Bollinger Canyon Road L4310 San Ramon, CA 94583-0904

Prepared By:

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

SAMPLE GROUP

The sample group for this submittal is 812692. Samples arrived at the laboratory on Wednesday, June 26, 2002.

<u>METHODOLOGY</u>

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

COMMENTS

A poor surrogate recovery was observed for sample G-22 (2.5, 5, 7.5, 10) from Facility 206145 due to the dilution needed to perform the BTEX/MTBE analysis.

Accurate surrogate recoveries could not be determined due to the dilution required for the TPH Fuels analysis of sample G-22 (2.5, 5, 7.5, 10) from Facility 206145.



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 812692. Samples arrived at the laboratory on Wednesday, June 26, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description	<u>Lancaster Labs Number</u>
G-22-S(2.5,5,7.5,10)-062102 Composite Soil Sample	3842338
G-22-S(2.5,5,7.5,10)-062102 Composite Soil Sample	3842339
G-23-S(2.5.5.7.5.10)-062102 Composite Soil Sample	3842340

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

Gettler Ryan

Attn: Mr. Greg Gurss

Questions? Contact your Client Services Representative Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

Rachel R. Cochis Sr. Chemist/Coordinator



Lancaster Laboratories Sample No. SW 3842338

Collected: 06/21/2002 09:45 by AS Account Number: 10992

Submitted: 06/26/2002 09:40 ChevronTexaco

Reported: 07/15/2002 at 15:05 6001 Bollinger Canyon Rd L4310

Discard: 07/30/2002 San Ramon CA 94583

G-22-S(2.5,5,7.5,10)-062102 Composite Soil Sample

Facility# 206145

800 Center St; Oakland, CA

G22AR

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01649	Cadmium	7440-43-9	N.D.	0.091	mg/kg	1
01651	Chromium	7440-47-3	37.8	0.15	mg/kg	1
01655	Lead	7439-92-1	87.1	0.94	mg/kg	1
01661	Nickel	7440-02-0	27.8	0.20	mg/kg	1
01672	Zinc	7440-66-6	52.4	0.36	mg/kg	1
02160	BTEX/MTBE					
02174	Benzene	71-43-2	0.063	0.050	mg/kg	250
02177	Toluene	108-88-3	0.47	0.050	mg/kg	250
02178	Ethylbenzene	100-41-4	0.28	0.050	mg/kg	250
02178	Total Xylenes	1330-20-7	2.0	0.15	mg/kg	250
02199	MTBE	1634-04-4	N.D.	0.50	mg/kg	250

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

A poor surrogate recovery was observed due to the dilution needed to perform the analysis.

Due to excessive foaming of the sample, normal reporting limits were not attained.

02516 TPH Fuels by GC (Soils)

02518 Total TPH n.a. 8,200. 1,000. mg/kg 100 02554 TPH Hydraulic Oil C20-C40 n.a. 8,200. 1,000. mg/kg 100

TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.

State of California Lab Certification No. 2116

Laboratory Chronicle



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

3842338 Lancaster Laboratories Sample No. SW

Collected:06/21/2002 09:45

by AS

Account Number: 10992

Submitted: 06/26/2002 09:40 Reported: 07/15/2002 at 15:05 Discard: 07/30/2002

ChevronTexaco 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

G-22-S(2.5,5,7.5,10)-062102 Composite Soil Sample

Facility# 206145

800 Center St; Oakland, CA

G22AR				Analysis		Dilution Factor
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	
01649	Cadmium	SW-846 6010B	1	06/29/2002 08:36	Nina C Haller	1
+	• • • • • • • • • • • • • • • • • • • •	SW-846 6010B	1	06/29/2002 08:36	Nina C Haller	1
01651	Chromium	SW-846 6010B	1	07/01/2002 04:04	Donna R Sackett	1
01655	Lead	· -	1	06/29/2002 08:36	Nina C Haller	1
01661	Nickel	SW-846 6010B	_	06/29/2002 08:36	Nina C Haller	1
01672	Zinc	SW-846 6010B	1		Steven A Skiles	250
02160	BTEX/MTBE	SW-846 8021B	1	07/01/2002 17:16		
02516	TPH Fuels by GC (Soils)	SW-846 8015B, modi	fied 1	07/04/2002 22:55	Robert T Vincent	100
	GC VOA Soil Prep	SW-846 5035	1	06/27/2002 18:09	Martha L Seidel	n.a.
01150		SW-846 3550B	1	07/01/2002 19:00	Sally L Appleyard	1
04833	Extraction / Fuel TPH	5W-846 3330B	-			
05708	(Soils) SW SW846 ICP Digest	SW-846 3050B	1	06/27/2002 16:15	Megan L Ross	1



Dilution

Lancaster Laboratories Sample No. 3842339

by AS Collected: 06/21/2002 09:45

Account Number: 10992

Submitted: 06/26/2002 09:40

Reported: 07/15/2002 at 15:05

San Ramon CA 94583

ChevronTexaco

Discard: 07/30/2002

6001 Bollinger Canyon Rd L4310

G-22-S(2.5,5,7.5,10)-062102 Composite Soil Sample Facility# 206145 / STLC NON-VOLATILE EXTRACTION

800 Center St; Oakland, CA

As Received Dilution Method As Received CAT Units Factor Detection Result CAS Number No. Analysis Name Limit ug/l 1.04 9.3 4,510. 7439-92-1 01755 Lead

State of California Lab Certification No. 2116

Laboratory Chronicle

C 2 PM				Analysis		Dilucion
CAT No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor 1.04
NO. 01755	Lead	SW-846 6010B	1	07/12/2002 13:51	Jayme E Curet	
01/55	Non-volatile WET	CCR Sec. 66700 WET,	1	06/27/2002 11:30	Kenneth A Yingst	n.a.
05705	WW/TL SW 846 ICP Digest (tot)	Title 22 SW-846 3010A	1	07/11/2002 15:35	Irimar Leon	1

te Pereived



Page 1 of 5

SW 3842340 Lancaster Laboratories Sample No.

Account Number: 10992 Collected:06/21/2002 09:30 by AS

Submitted: 06/26/2002 09:40 ChevronTexaco

6001 Bollinger Canyon Rd L4310 Reported: 07/15/2002 at 15:05

San Ramon CA 94583 Discard: 07/30/2002

G-23-S(2.5,5,7.5,10)-062102 Composite Soil Sample

Facility# 206145

800 Center St; Oakland, CA

G23AR

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05547	TPH - DRO CA LUFT (Soils)	n.a.	N.D.	10.	mg/kg	1
• • • •	According to the California LU	FT Protocol, th	e quantitation f	or Diesel		
	Range Organics was performed b	y peak area coπ	parison of the s	sample pattern		
	to that of our #2 fuel oil ref	erence standard	i (between C10 ar	nd C28 normal		
	hvdrocarbons).					
	Site-specific MS/MSD samples w	ere not submitt	ed for the proje	ect. A LCS/LCSD		
	was performed to demonstrate p	recision and ac	curacy at a bate	ch level.		
01649	Cadmium	7440-43-9	N.D.	0.088	mg/kg	1
01651	Chromium	7440-47-3	41.0	0.15	mg/kg	1
01655	Lead	7439-92-1	6.7	0.91	mg/kg	1
01661	Nickel	7440-02-0	36.1	0.19	mg/kg	1
01672	Zinc	7440-66 - 6	23.2	0.35	mg/kg	1
02446	TPH (gravimetric)	n.a.	310.	230.	mg/kg	1
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	N.D.	1.0	mg/kg	25
01/2)	The reported concentration of	TPH-GRO does no	ot include MTBE	or other		
	gasoline constituents eluting	prior to the Co	6 (n-hexane) TPH	-GRO range		
	start time.	F	•			
	The analysis for volatiles was	performed on	a sample which w	as preserved		
	in methanol. The reporting li	mits were adju	sted appropriate	ly.		
	In mechanic. The reporters					
02160	BTEX/MTBE					
02174	Benzene	71-43-2	N.D.	0.0050	mg/kg	25
02177		108-88-3	0.012	0.0050	mg/kg	25
02178		100-41-4	N.D.	0.0050	mg/kg	25
02182	•	1330-20-7	0.017	0.015	mg/kg	25
02199	•	1634-04-4	N.D.	0.050	mg/kg	25
02233	The analysis for volatiles was	performed on	a sample which w	as preserved		
	in methanol. The reporting 1:	imits were adju	sted appropriate	ely.		
04688	TCL SW846 Semivolatiles Soil					
01185	Phenol	108-95-2	N.D.	0.033	mg/kg	1
01186		95-57-8	N.D.	0.033	mg/kg	1
01187	· ·	106-46-7	N.D.	0.033	mg/kg	1
ATTR \	T' 4-DICHTOLONGHACHE					



As Received



Page 2 of 5

Lancaster Laboratories Sample No. SW 3842340

Collected:06/21/2002 09:30 by AS Account Number: 10992

Submitted: 06/26/2002 09:40 ChevronTexaco

Reported: 07/15/2002 at 15:05 6001 Bollinger Canyon Rd L4310

Discard: 07/30/2002 San Ramon CA 94583 G-23-S(2.5,5,7.5,10)-062102 Composite Soil Sample

Facility# 206145

800 Center St; Oakland, CA

G23AR

				We received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01188	N-Nitroso-di-n-propylamine	621-64-7	N.D.	0.033	mg/kg	1
01189	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.033	mg/kg	1
01190	4-Chloro-3-methylphenol	59-50-7	N.D.	0.067	mg/kg	1
03746	2-Nitrophenol	88-75-5	N.D.	0.033	mg/kg	1
03747	2,4-Dimethylphenol	105-67-9	N.D.	0.033	mg/kg	1
03748	2,4-Dichlorophenol	120-83-2	N.D.	0.033	mg/kg	1
03749	2,4,6-Trichlorophenol	88-06-2	N.D.	0.033	mg/kg	1
03753	bis(2-Chloroethyl)ether	111-44-4	N.D.	0.033	mg/kg	1
03754	1,3-Dichlorobenzene	541-73-1	N.D.	0.033	mg/kg	1
03755	1,2-Dichlorobenzene	95-50-1	N.D.	0.033	mg/kg	1
03757	Hexachloroethane	67-72-1	N.D.	0.033	mg/kg	1
03758	Nitrobenzene	98-95-3	N.D.	0.033	mg/kg	1
03759	Isophorone	78-59-1	N.D.	0.033	mg/kg	1
03760	bis(2-Chloroethoxy)methane	111-91-1	N.D.	0.033	mg/kg	1
03761	Naphthalene	91-20-3	N.D.	0.033	mg/kg	1.
03762	Hexachlorobutadiene	87-68-3	N.D.	0.067	mg/kg	1
03763	Hexachlorocyclopentadiene	77-47-4	N.D.	0.17	mg/kg	1
03764	2-Chloronaphthalene	91-58-7	N.D.	0.033	mg/kg	1
03765	Acenaphthylene	208-96-8	N.D.	0.033	mg/kg	1
03766	Dimethylphthalate	131-11-3	N.D.	0.067	mg/kg	1
04690	2-Methylphenol	95-48-7	N.D.	0.033	mg/kg	1
04692	4-Methylphenol	106-44-5	N.D.	0.067	mg/kg	1
0.00	3-Methylphenol and 4-methylphe	nol cannot be	resolved under th	ne		
	chromatographic conditions use	d for sample a	nalysis. The resu	ılt reported		
	for 4-methylphenol represents	the combined t	otal of both comp	oounds .		
04693	4-Chloroaniline	106-47-8	N.D.	0.033	mg/kg	1
04694	2-Methylnaphthalene	91-57-6	N.D.	0.033	mg/kg	1
04695	2,4,5-Trichlorophenol	95-95-4	N.D.	0.033	mg/kg	1
04696	2-Nitroaniline	88-74-4	N.D.	0.033	mg/kg	1
01050	• • • • • • • • • • • • • • • • • • • •					
04689	TCL SW846 Semivolatiles/Soil					
01191	Acenaphthene	83-32-9	N.D.	0.033	mg/kg	1
01192	4-Nitrophenol	100-02-7	N.D.	0.17	mg/kg	1
01193	2,4-Dinitrotoluene	121-14-2	N.D.	0.067	mg/kg	1
01194	Pentachlorophenol	87-86-5	N.D.	0.17	mg/kg	1
01195	_	129-00-0	N.D.	0.033	mg/kg	1
03750	2,4-Dinitrophenol	51-28-5	N.D.	0.67	mg/kg	1
03751	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	0.17	mg/kg	1

As Received



Page 3 of 5

Lancaster Laboratories Sample No. SW 3842340

Collected:06/21/2002 09:30 by AS Account Number: 10992

Submitted: 06/26/2002 09:40 ChevronTexaco

Reported: 07/15/2002 at 15:05 6001 Bollinger Canyon Rd L4310

Discard: 07/30/2002 San Ramon CA 94583 G-23-S(2.5,5,7.5,10)-062102 Composite Soil Sample

Facility# 206145

800 Center St; Oakland, CA

G23AR

				Method		Dilution
CAT			As Received		Units	Pactor
No.	Analysis Name	CAS Number	Result	Detection Limit	ULLUS	raccor
03752	N-Nitrosodimethylamine	62-75-9	N.D.	0.067	mg/kg	1
03756	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	0.033	mg/kg	1
03767	2.6-Dinitrotoluene	606-20-2	N.D.	0.033	mg/kg	1
03768	Fluorene	86-73-7	N.D.	0.033	mg/kg	1
03769	4-Chlorophenyl-phenylether	7005-72-3	N.D.	0.033	mg/kg	1
03770	Diethylphthalate	84-66 - 2	N.D.	0.067	mg/kg	1
03772	N-Nitrosodiphenylamine	86-30-6	N.D.	0.033	mg/kg	1
***	N-nitrosodiphenylamine decompo	ses in the GC i	inlet forming dip	henylamine.		
	The result reported for N-nitr	osodiphenylamin	ne represents the	combined		
	total of both compounds.					
03773	4-Bromophenyl-phenylether	101-55-3	N.D.	0.033	mg/kg	1
03774	Hexachlorobenzene	118-74-1	N.D.	0.033	mg/kg	1
03775	Phenanthrene	85-01-8	N.D.	0.033	mg/kg	1
03776	Anthracene	120-12 - 7	N.D.	0.033	mg/kg	1
03777	Di-n-butylphthalate	84-74-2	N.D.	0.067	mg/kg	1
03778	Fluoranthene	206-44-0	N.D.	0.033	mg/kg	1
03780	Butylbenzylphthalate	85-68-7	N.D.	0.067	mg/kg	1
03781	Benzo(a)anthracene	56-55-3	N.D.	0.033	mg/kg	1
03782	Chrysene	218-01-9	N.D.	0.033	mg/kg	1
03783	3,3'-Dichlorobenzidine	91-94-1	N.D.	0.067	mg/kg	1
03784	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	0.067	mg/kg	1
03785	Di-n-octylphthalate	117-84-0	N.D.	0.067	mg/kg	1
03786	Benzo(b) fluoranthene	205-99-2	N.D.	0.033	mg/kg	1
03787	Benzo(k) fluoranthene	207-08-9	N.D.	0.033	mg/kg	1
03788	Benzo(a) pyrene	50-32 - 8	n.D.	0.033	mg/kg	1
03789	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.033	mg/kg	1
03790	Dibenz(a,h)anthracene	53-70-3	N.D.	0.033	mg/kg	1
03791	Benzo(g,h,i)perylene	191-24-2	N.D.	0.033	mg/kg	1
04623	Benzyl alcohol	100-51-6	N.D.	0.17	mg/kg	1
04697	3-Nitroaniline	99-09-2	N.D.	0.067	mg/kg	1 .
04698	Dibenzofuran	132-64-9	N.D.	0.033	mg/kg	1
04700	4-Nitroaniline	100-01-6	N.D.	0.067	mg/kg	1
04711	Benzoic acid	65-85-0	N.D.	0.17	mg/kg	1
05722	Misc. Semivolatiles (Soil)					
05723	Aniline	62-53-3	N.D.	0.033	mg/kg	1





Page 4 of 5

3842340 Lancaster Laboratories Sample No.

Collected:06/21/2002 09:30

by AS

Account Number: 10992

Submitted: 06/26/2002 09:40

Reported: 07/15/2002 at 15:05

ChevronTexaco

Discard: 07/30/2002

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

As Deceived

G-23-S(2.5,5,7.5,10)-062102 Composite Soil Sample

Facility# 206145

800 Center St: Oakland, CA

G23AR

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.0010	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.0010	mg/kg	1
08199	Freon 113	76-13-1	N.D.	0.0020	mg/kg	1
05441	EPA SW846/8260 (soil)				,	
05444	Chloromethane	74-87-3	N.D.	0.0020	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.0010	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.0020	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.0020	mg/kg	1
05448	Trichlorofluoromethane	75 - 69-4	N.D.	0.0020	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.0010	mg/kg	1
05450	Methylene Chloride	75-09-2	N.D.	0.0020	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0010	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.0010	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0010	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.0010	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.0010	mg/kg	ı
05458	Carbon Tetrachloride	56-23-5	N.D.	0.0010	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.0010	mg/kg	1
05462	Trichloroethene	79-01 - 6	N.D.	0.0010	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.0010	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.0010	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.0010	mg/kg	1
05468	Tetrachloroethene	127-18-4	N.D.	0.0010	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.0010	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.0010	mg/kg	1
05442	EPA SW846/8260 (soil) cont					
05478	Bromoform	75-25-2	N.D.	0.0010	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79 - 34-5	N.D.	0.0010	mg/kg	1
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.0010	mg/kg	1
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.0010	mg/kg	1
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.0010	mg/kg	1

State of California Lab Certification No. 2116





Page 5 of 5

Lancaster Laboratories Sample No. SW 3842340

Collected: 06/21/2002 09:30 by AS Account Number: 10992

Submitted: 06/26/2002 09:40 ChevronTexaco
Reported: 07/15/2002 at 15:05 6001 Bollinger Canyon Rd L4310

Reported: 07/15/2002 at 15:05 Discard: 07/30/2002

G-23-S(2.5,5,7.5,10)-062102 Composite Soil Sample

Facility# 206145

800 Center St; Oakland, CA

G23AR

Laboratory Chronicle

San Ramon CA 94583

	Haboracory	CILL C.	111010		
	-		Analysis		Dilution
Analysis Name	Method	Trial#	Date and Time		Factor
<u>-</u>	CA LUFT Diesel Range	1	07/05/2002 00:38	Devin M Lahr	1
,	Organics		((Wine C Weller	1
Cadmium	*·· · · · · · · · · · · · · · · · · · ·	1			1
Chromium	SW-846 6010B	1			1
Lead	SW-846 6010B	1	• •		1
Nickel	SW-846 6010B	1			1
Zinc	SW-846 6010B	1			1
TPH (gravimetric)	SM 5520 D&E	1			1
	N. CA LUFT Gasoline	1	06/29/2002 08:04	Steven A Skiles	25
22.2	Method			5	25
BTEX/MTBE	SW-846 8021B				1
TCL SW846 Semivolatiles	SW-846 8270C	1	07/04/2002 00:37	Chad A Moline	Τ.
Soil		-	07/04/2002 00.27	Chad & Moline	1
	SW-846 8270C	Ţ	07/04/2002 00:37	Chad A horring	_
	ON 046 93700	1	07/04/2002 00:37	Chad A Moline	1
		1			1
•		1			1
		_			1
		_			n.a.
·			• •		1
		2	· • •		n.a.
GC VOA Soil Prep		1		_	1
SW SW846 ICP Digest		1		-	i
Extraction - DRO (Soils)	TPH by CA LUFT	1	07/02/2002 07:00	kozamie w koćii	•
	Chromium Lead Nickel Zinc TPH (gravimetric) TPH-GRO - Soils BTEX/MTBE TCL SW846 Semivolatiles Soil TCL SW846 Semivolatiles Soil Hisc. Semivolatiles (Soil) EPA SW 846/8260 - Soil EPA SW846/8260 (soil) EPA SW846/8260 (soil) EPA SW846/8260 (soil) CC/MS VOA Soil Prep BNA Soil Extraction GC VOA Soil Prep SW SW846 ICP Digest	Analysis Name TPH - DRO CA LUFT (Soils) Cadmium Chromium Lead Nickel Zinc TPH (gravimetric) TPH-GRO - Soils BTEX/MTBE TCL SW846 Soil TCL SW846 Semivolatiles Soil TCL SW846 Semivolatiles (Soil) EPA SW 846/8260 (soil) EPA SW846/8260 (soil) EPA SW846/8260 (soil) GC/MS VOA Soil Prep SW 846 5035 SW-846 5035 SW-846 8250B SW-846 8260B SW-846 5030A SW-846 5035 SW-846 5035 SW-846 5035	Analysis Name	Analysis Name Method Trial# Date and Time TPH - DRO CA LUFT (Soils) CA LUFT Diesel Range Organics 1 07/05/2002 00:38 Cadmium SW-846 6010B 1 06/29/2002 08:41 Chromium SW-846 6010B 1 06/29/2002 08:41 Lead SW-846 6010B 1 07/01/2002 04:09 Nickel SW-846 6010B 1 06/29/2002 08:41 Zinc SW-846 6010B 1 06/29/2002 08:41 TPH (gravimetric) SM 5520 D&E 1 07/03/2002 07:30 TPH-GRO - Soils N. CA LUFT Gasoline 1 06/29/2002 08:04 BTEX/MTBE SW-846 8021B 1 06/29/2002 08:04 TCL SW846 Semivolatiles SW-846 8270C 1 07/04/2002 00:37 Soil SW-846 8270C 1 07/04/2002 00:37 EPA SW 846/8260 - Soil SW-846 8270C 1 07/04/2002 00:37 EPA SW 846/8260 (soil) SW-846 8260B 1 06/28/2002 14:04 EPA SW846/8260 (soil) SW-846 8260B 1 06/28/2002 14:04 EPA	Analysis Name



Page 1 of 6

Client Name: ChevronTexaco

Group Number: 812692

Reported: 07/15/02 at 03:06 PM

Laboratory Compliance Quality Control

	Blank	Blank	Report	LCS %REC	LCSD <u>%REC</u>	LCS/LCSD Limits	RPD	RPD Max
Analysis Name	Result	MDL	<u>Units</u>	<u> anne</u>	<u> and </u>	<u> </u>		
Batch number: 021785708007 Cadmium	Sample N.D. N.D.	number(s): .091 .15	3842338,38 mg/kg mg/kg	42340 100 105		83-111 82-114		
Chromium Lead	N.D.	.94	mg/kg	100		86-109		
Nickel	N.D.	.2	mg/kg	101		84-110		
Zinc	N.D.	.36	mg/kg	103		85-111		
Batch number: 02179A33B		number(s):		90		75-117		
TPH-GRO - Soils	И.D. И.D.	1. ,005	mg/kg mg/kg	115		84-132		
Benzene	N.D.	.005	mg/kg	115		88-116		
Toluene Ethylbenzene	N.D.	.005	mg/kg	117		87-127		
Total Xylenes	N.D.	.015	mg/kg	115		88-120		
MTBE	N.D.	. 05	mg/kg	106		64-158		
Batch number: 02179A33C		number(s):		225		84-132		
Benzene	N.D.	.005	mg/kg	115 115		88-116		
Toluene	N.D.	.005 .005	mg/kg mg/kg	117		87-127		
Ethylbenzene	N.D. N.D.	.015	mq/kg	115		88-120		
Total Xylenes MTBE	N.D.	.05	mg/kg	106		64-158		
Batch number: 021820003A	Sample	number(s):	3842338					
Total TPH	N.D.	4.	mg/kg	93	92	77-126	1	20
TPH Hydraulic Oil C20-C40	N.D.	10.	mg/kg					
Batch number: 021820011A	Sample	number(s):			00	41-143	25*	20
TPH - DRO CA LUFT (Soils)	N.D.	10.	mg/kg	72	92	41-143	25"	20
Batch number: 02183SLE026		number(s):	3842340 ug/kg	90		59-121		
Phenol	N.D. N.D.	33. 33.	ug/kg	88		71-114		
2-Chlorophenol 1,4-Dichlorobenzene	N.D.	33.	ug/kg	83		61-110		
N-Nitroso-di-n-propylamine	N.D.	33.	ug/kg	86		62-118		
1,2,4-Trichlorobenzene	N.D.	33.	ug/kg	85		63-116		
4-Chloro-3-methylphenol	N.D.	67.	ug/kg	92		72-123		
Acenaphthene	N.D.	33.	ug/kg	86 88		70-115 63-138		
4-Nitrophenol	N.D.	170.	ug/kg ug/kg	89		70-130		
2,4-Dinitrotoluene	N.D. N.D.	67. 170.	ug/kg	72		52-112		
Pentachlorophenol	N.D.	33.	ug/kg	86		67-123		
Pyrene 2-Nitrophenol	N.D.	33.	ug/kg	90		76-114		
2,4-Dimethylphenol	N.D.	33.	ug/kg	85		60-110		
2,4-Dichlorophenol	N.D.	33.	ug/kg	87		71-118 72-118		
2,4,6-Trichlorophenol	N.D.	33.	ug/kg	86		32-125		
2,4-Dinitrophenol	N.D.	670.	ug/kg	71 77		52-125		
4,6-Dinitro-2-methylphenol	N.D. N.D.	170. 67.	ug/kg ug/kg	86		49-123		
N-Nitrosodimethylamine	N.D.	33.	ug/kg	86		66-114		
<pre>bis(2-Chloroethyl)ether 1,3-Dichlorobenzene</pre>	N.D.	33.	ug/kg	83		60-110		
1,2-Dichlorobenzene	N.D.	33.	ug/kg	82		64-107		
bis(2-Chloroisopropyl)ether	N.D.	33.	ug/kg	102		53-154		
Hexachloroethane	N.D.	33.	ug/kg	85		60-113		
Nitrobenzen e	N.D.	33.	ug/kg	88 89		65-116 64-108		
Isophorone	N.D.	33.	ug/kg ug/kg	89 94		68-122		
bis(2-Chloroethoxy)methane	N.D. N.D.	33. 33.	ug/kg ug/kg	86		65-113		
Naphthalene Hexachlorobutadiene	N.D.	67.	ug/kg	87		61-121		
Hexachlorocyclopentadiene	N.D.	170.	ug/kg	91		8-127		

- (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.





Page 2 of 6

Client Name: ChevronTexaco

Group Number: 812692

Reported: 07/15/02 at 03:06 PM

Laboratory Compliance Quality Control

	Blank	Blank	Report	LCS	LCSD	LCS/LCSD		
Analysis Name	Result	MDL	Units	%REC	<u>%REC</u>	<u>Limits</u>	RPD	RPD Max
2-Chloronaphthalene	N.D.	33.	ug/kg	85		69-114		
Acenaphthylene	N.D.	33.	ug/kg	86		72-117		
Dimethylphthalate	N.D.	67.	ug/kg	89		72-119		
2,6-Dinitrotoluene	N.D.	33.	ug/kg	86		74-115		
Fluorene	N.D.	33.	ug/kg	85		65-119		
4-Chlorophenyl-phenylether	N.D.	33.	ug/kg	88		64-119		
Diethylphthalate	N.D.	67.	ug/kg	90		71-121		
N-Nitrosodiphenylamine	N.D.	33.	ug/kg	86		60-120		
4-Bromophenyl-phenylether	N.D.	33.	ug/kg	87		71-115		
Hexachlorobenzene	N.D.	33.	ug/kg	85		62-128		
Phenanthrene	N.D.	33.	ug/kg	83		64-116		
Anthracene	N.D.	33.	ug/kg	83		64-116 72-119		
Di-n-butylphthalate	N.D.	67.	ug/kg	91		65-115		
Fluoranthene	N.D.	33.	ug/kg	86		59-150		
Butylbenzylphthalate	N.D.	67.	ug/kg	95				
Benzo(a) anthracene	N.D.	33.	ug/kg	87		69-115 67-119		
Chrysene	N.D.	33.	ug/kg	84		21-104		
3,3'-Dichlorobenzidine	N.D.	67.	ug/kg	60		73-126		
bis(2-Ethylhexyl)phthalate	N.D.	67.	ug/kg	91		69-131		
Di-n-octylphthalate	N.D.	67.	ug/kg	95		66-122		
Benzo(b) fluoranthene	N.D.	33.	ug/kg	88		66-122		
Benzo(k)fluoranthene	N.D.	33.	ug/kg	87		72-118		
Benzo(a)pyrene	N.D.	33.	ug/kg	91		73-118		
Indeno(1,2,3-cd)pyrene	N.D.	33.	ug/kg	91		78-126		
Dibenz(a,h)anthracene	N.D.	33.	ug/kg	97		73-119		
Benzo(g,h,i)perylene	N.D.	33.	ug/kg	93		66-110		
Benzyl alcohol	N.D.	170.	ug/kg	83 85		66-111		
2-Methylphenol	N.D.	33.	ug/kg	88 88		49-130		
4-Methylphenol	N.D.	67.	ug/kg	48		9-100		
4-Chloroaniline	N.D.	33.	ug/kg	82		65-108		
2-Methylnaphthalene	N.D.	33.	ug/kg	91		74-117		
2,4,5-Trichlorophenol	N.D.	33. 33.	ug/kg ug/kg	93		78-122		
2-Nitroaniline	N.D.	33. 67.	ug/kg ug/kg	52		29-103		
3-Nitroaniline	N.D.	33.	ug/kg	81		66-111		
Dibenzofuran	N.D.	55. 67.	ug/kg	80		48-116		
4-Nitroaniline	N.D. N.D.	170.	ug/kg	101		30-140		
Benzoic acid	N.D.	33.	ug/kg	58		49-91		
Aniline	N.D.	43.	49/119					
Datab	a fame?	number(s):	3842340					
Batch number: 02184244601A	310.	233.	mg/kg	99		89-107		
TPH (gravimetric)	310.							
Batch number: 021925705003	Sample	number(s):	3842339					
Lead	N.D.	.0089	mq/l	101		94-110		
pead								
Batch number: D021781AB	Sample	number(s):	3842340					
Chloromethane	N.D.	2.	ug/kg	77		40-117		
Vinyl Chloride	N.D.	1.	ug/kg	85		45-122		
Bromomethane	N.D.	2.	ug/kg	50		48-129		
Chloroethane	N.D.	2.	ug/kg	90		51-130		
Trichlorofluoromethane	N.D.	2.	ug/kg	77		34-146		
1.1-Dichloroethene	N.D.	1.	uq/kg	97		64-144		
Methylene Chloride	N.D.	2.	ug/kg	91		76-129		
trans-1,2-Dichloroethene	N.D.	1.	ug/kg	92		78-131		
1,1-Dichloroethane	N.D.	1.	ug/kg	94		82-130		
cis-1,2-Dichloroethene	N.D.	1.	ug/kg	95		85-127		
Chloroform	N.D.	1.	ug/kg	91		84-123		
1,1,1-Trichloroethane	N.D.	1.	ug/kg	92		69-133		
Carbon Tetrachloride	N.D.	1.	ug/kg	92		61-139		
1,2-Dichloroethane	N.D.	1.	ug/kg	92		81-128		
-r								

*- 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.





Page 3 of 6

Client Name: ChevronTexaco

Group Number: 812692

Reported: 07/15/02 at 03:06 PM

Laboratory Compliance Quality Control

	Blank	Blank	Report	LCS	LCSD	LCS/LCSD	DDD.	RPD Max
Analysis Name	<u>Result</u>	MDL	<u> Units</u>	<u>%REC</u> 95	<u>%RBC</u>	<u>Limits</u> 78-129	$\underline{\mathtt{RPD}}$	RPD Max
Trichloroethene	N.D.	1.	ug/kg					
1.2-Dichloropropane	N.D.	1.	ug/kg	96		81-126		
Bromodichloromethane	N.D.	1.	ug/kg	91		80-123		
1.1.2-Trichloroethane	N.D.	1.	ug/kg	93		82-121		
Tetrachloroethene	N.D.	1.	ug/kg	102		76-141		
Dibromochloromethane	N.D.	1.	ug/kg	94		75-123		
Chlorobenzene	N.D.	1.	ug/kg	91		86-122		
Bromoform	N.D.	1.	ug/kg	93		66-128		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/kg	88		69-125		
1.3-Dichlorobenzene	N.D.	1.	ug/kg	93		84-123		
1.4-Dichlorobenzene	N.D.	1.	ug/kg	93		85-120		•
1,2-Dichlorobenzene	N.D.	1.	ug/kg	97		84-121		
trans-1,3-Dichloropropene	N.D.	1.	ug/kg	88		79-121		
cis-1,3-Dichloropropene	N.D.	1.	ug/kg	94		82-122		
Freon 113	N.D.	2.	ug/kg	88		46-152		

Sample Matrix Quality Control

	MS	MSD	ms/msd		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	<u>max</u>	Conc	Conc	<u>RPD</u>	Max
Batch number: 021785708007	Sample	number	(s): 384233	38,3842	340				
Cadmium	76	77	75-125	2	20	N.D.	N.D.	0 (1)	20
Chromium	144*	143*	75-125	1	20	18.4	15.8	15 (1)	20
Lead	(2)	(2)	75-125	1	20	225.	227.	1	20
Nickel	(2)	(2)	75-125	1	20	360.	337.	7	20
Zinc	299*	271*	75-125	4	20	169.	152.	11	20
Batch number: 02179A33B	Sample	number	(s): 38423	40					
TPH-GRO - Soils	87	95	44-116	9	30				
Benzene	136	149*	56-142	9	30				
Toluene	104	115	66-120	10	30				
Ethylbenzene	119	129	66-131	8	30				
Total Xylenes	108	120	67-122	10	30				
MTBE	160	173*	42-163	8	30				
Batch number: 02179A33C	Sample	e number	(s): 38423	38					
Benzene	136	149*	56-142	9	30				
Toluene	104	115	66-120	10	30				
Ethylbenzene	119	129	66-131	8	30				
Total Xylenes	108	120	67-122	10	30				
MTBE	160	173*	42-163	8	30				
Batch number: 02183SLE026	Sample	e number	(s): 38423	40					
Phenol	88	90	58-119	2	30				
2-Chlorophenol	88	89	57-122	2	30				
1.4-Dichlorobenzene	79	79	40-122	1	30				
N-Nitroso-di-n-propylamine	86	87	58-122	2	30				
1,2,4-Trichlorobenzene	82	84	50-124	2	30				
4-Chloro-3-methylphenol	90	91	61-129	2	30				
Acenaphthene	85	87	51-132	2	30				
4-Nitrophenol	94	95	31-162	2	30				
2,4-Dinitrotoluene	88	90	61-133	3	30				
Pentachlorophenol	85	89	17-128	5	30				
Pyrene	86	90	34-151	5	30				
2-Nitrophenol	87	91	50-133	5	30				
2.4-Dimethylphenol	84	87	46-124	4	30				
2 ' 4 - DIMECHÂT PREHOT	· ·								

- (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.





Page 4 of 6

Client Name: ChevronTexaco

Group Number: 812692

Reported: 07/15/02 at 03:06 PM

Sample Matrix Quality Control

	MS	MSD	ms/msd		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD 2	<u>MAX</u>	Conc	Conc	<u>RPD</u>	<u>Max</u>
2,4-Dichlorophenol	86	88	42-140	2	30				
2,4,6-Trichlorophenol	87	91	44-139	5	30				
2,4-Dinitrophenol	82	91	20-150	11	30				
4,6-Dinitro-2-methylphenol	86	93	16-145	8	30				
N-Nitrosodimethylamine	84	85	46-121	1	30				
bis(2-Chloroethyl)ether	85	87	50-130	2	30				
1,3-Dichlorobenzene	80	79	39-122	2	30				
1,2-Dichlorobenzene	80	80	43-119	0	30				
bis(2-Chloroisopropyl)ether	101	103	32-177	2	30				
Hexachloroethane	82	81	25-132	1	30				
Nitrobenzene	85	89	50-131	5	30				
Isophorone	87	91	38-133	5	30				
bis(2-Chloroethoxy)methane	91	95	58-132	4	30				
Naphthalene	84	86	43-133	2	30				
Hexachlorobutadiene	83	84	44-130	2	30				
Hexachlorocyclopentadiene	92	94	5-176	3	30				
2-Chloronaphthalene	86	88	56-124	3	30				
Acenaphthylene	85	88	60-125	3	30				
Dimethylphthalate	88	91	63-123	3	30				
2,6-Dinitrotoluene	85	89	63-122	5	30				
Fluorene	86	88	52-130	3	30				
4-Chlorophenyl-phenylether	88	90	60-120	2	30				
Diethylphthalate	90	93	65-124	3	30				
N-Nitrosodiphenylamine	84	87	48-136	3	30				
4-Bromophenyl-phenylether	85	88	62-124	3	30				
Hexachlorobenzene	83	87	54-133	4	30				
Phenanthrene	81	84	37-140	3	30				
Anthracene	82	85	49-129	4	30				
Di-n-butylphthalate	89	91	55-132	3	30				
Fluoranthene	84	85	37-135	1	30				
Butylbenzylphthalate	93	98	56-145	5	30				
Benzo(a)anthracene	84	87	40-141	3	30 30				
Chrysene	82	86	39-143	5 3	30				
3,3'-Dichlorobenzidine	76	78	3-123	4	30				
bis(2-Ethylhexyl)phthalate	91	94	56-141	2	30				
Di-n-octylphthalate	95	96	53-144	3	30				
Benzo(b) fluoranthene	85	88	39-137	2	30				
Benzo(k)fluoranthene	85	86	45-136	4	30				
Benzo(a)pyrene	87	90	40-143 26-151	7	30				
Indeno(1,2,3-cd)pyrene	85	92 99	26-151 35- 1 59	6	30				
Dibenz(a, h) anthracene	93	99	27-149	7	30				
Benzo(g,h,i)perylene	86	92 86	67-108	3	30				
Benzyl alcohol	84 84	86	62-109	2	30				
2-Methylphenol	88	89	60-115	2	30				
4-Methylphenol	65	68	19-106	5	30				
4-Chloroaniline	80	82	57-114	2	30				
2-Methylnaphthalene	92	94	53-132	2	30				
2,4,5-Trichlorophenol	94	97	71-128	3	30				
2-Nitroaniline	72	75	33-117	4	30				
3-Nitroaniline	81	83	48-129	2	30				
Dibenzofuran	81	81	31-128	ō	30				
4-Nitroaniline	130*	124*	19-62	4	30				
Benzoic acid	52	51	27-117	ō	30				
Aniline	24	71		_					
Batch number: 02184244601A	Samo	le numbe	er(s): 3842	340				a = (=)	20
TPH (gravimetric)	89	92	24-140	3	20	310.	270.	15 (1)	20
III (Gravimosia)									

Batch number: 021925705003

Sample number(s): 3842339

*- 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.





Page 5 of 6

Quality Control Summary

Client Name: ChevronTexaco Reported: 07/15/02 at 03:06 PM Group Number: 812692

Sample Matrix Quality Control

	MS	MSD	ms/msd		RPD	BKG	DUP	DUP	Dup RPD
<u>Analysis Name</u> Lead	%REC (2)	%REC (2)	<u>Limits</u> 75-125	RPD 1	<u>MAX</u> 20	<u>Conc</u> 4.51	<u>Conc</u> 4.52	<u>RPD</u> 0	<u>Max</u> 20
Batch number: D021781AB	Sample	e number	(s): 384234	0					
Chloromethane	80 -	85	15-128	6	30				
Vinyl Chloride	94	98	16-141	4	30				
Bromomethane	66	73	24-140	11	30				
Chloroethane	99	104	33-147	6	30				
Trichlorofluoromethane	89	90	23-147	1	30				
1,1-Dichloroethene	101	113	40-159	11	30				
Methylene Chloride	91	96	41-157	5	30				
trans-1,2-Dichloroethene	89	93	47-152	4	30				
1.1-Dichloroethane	90	93	51-147	3	30				
cis-1,2-Dichloroethene	88	94	53-146	6	30				
Chloroform	89	88	53-142	0	30				
1,1,1-Trichloroethane	90	91	41-153	1	30				
Carbon Tetrachloride	89	90	39-150	0	30				
1,2-Dichloroethane	89	83	59-144	6	30				
Trichloroethene	88	91	40-152	3	30				
1,2-Dichloropropane	85	89	55-138	5	30				
Bromodichloromethane	88	86	52-137	3	30				
1.1.2-Trichloroethane	87	84	51-149	4	30				
Tetrachloroethene	93	96	31-174	2	30				
Dibromochloromethane	87	84	45-142	4	30				
Chlorobenzene	84	87	46-139	4	30				
Bromoform	86	81	27-145	6	30				
1,1,2,2-Tetrachloroethane	88	82	23-180	7	30				
1,3-Dichlorobenzene	84	87	33-147	4	30				
1,4-Dichlorobenzene	83	86	32-146	3	30	•			
1,2-Dichlorobenzene	85	89	30-148	4	30				
trans-1,3-Dichloropropene	85	84	41-139	1	30				
cis-1,3-Dichloropropene	87	87	45-136	0	30				
Freon 113	96	108	34-153	11	30				

Surrogate Quality Control

Analysis Name: BTEX/MTBE Batch number: 02179A33B

	Trifluorotoluene-F	Trifluorotoluene-P
3842340	86	102 106
Blank LCS MS	90 92 99	111 118
MSD	102	122
Limits:	61-127	68-122

Analysis Name: BTEX/MTBE Batch number: 02179A33C Trifluorotoluene-F

Trifluorotoluene-P

3842338	<u> </u>	13*
Blank	98	111
LCS	92	111
MS	99	118
MSD	102	122

- (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.





Page 6 of 6

Client Name: ChevronTexaco

Group Number: 812692

Reported: 07/15/02 at 03:06 PM

Surrogate Quality Control

imits:	61-127	68-122				
malysis Na	ame: TPH Fuels by GC (Soil er: 021820003A	s)				
saccii iidiiabe	Chlorobenzene	Orthoterphenyl				
1842338	143*	460*				
Blank	85	78				
CS	97	92				
LCSD	97	94				
Limits:	45-114	66-120				
Analysis Na Batch numbo	ame: TPH - DRO CA LUFT (Sc er: 021820011A Orthoterphenyl	oils)				
3842340	83		-			
Blank	96					
LCS	75					
LCSD	93					
Limits:	35-143					
Analysis N Batch numb	Tame: TCL SW846 Semivolat: er: 02183SLE026 Phenol-d6	iles Soil 2-Fluorophenol	2,4,6-Tribromophenol	Nitrobenzene-d5		
	FileHot-do			82		
3842340	88	82	87	76		
Blank	85	79	79	85		
LCS	90	84	85	85		
MS	91	85	88			
MSD	90	85	89	86 		
Limits:	46-120	46-122	37-139	50-132		
	2-Fluorobiphenyl	Terphenyl-d14				
3842340	81	96		<u> </u>		
Blank	79	87				
LCS	85	96				
MS	86	96				
MSD	87	99				
Limits:	57-123	48-141				
Analysis N	Name: EPA SW846/8260 (soil)				
	oer: D021781AB		m-1 d0	4-Bromofluorobenzer		
Batch num		1,2-Dichloroethane-d4	Toluene-d8			
Batch num	Dibromofluoromethane	•				
_		84	92	87		
3842340	88	84	92 92	87		
3842340 Blank	88 88	84 82		87 87		
3842340 Blank LCS	88 88 90	84 82 89	92	87 87 89		
3842340	88 88	84 82	92 91	87 87		
3842340 Blank LCS MS	88 88 90 91	84 82 89 86	92 91 94	87 87 89		

- (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.



Lancaster Laboratories Where quality is a science.		(408	4)	1	Acci	t.#: [()99	2	Sam	For I	anca:	ster l	abor	ator	ies u	ise o	nly /	SCR#:		
		062402-014 Acct. #: 10992 For Lancaster Laboratories use										J group #81769Z								
GIO TOGO010 2230	261450	·46	71														Preservative Codes			
Facility#: Former Cheuron S5	# 20-	6145		'	Matrix		┝┑			Pre	serva	tion	Coa	es		T	ᅱ		re Codes = Thiosul	
law One Carlos of Bokland CA				1		1	\square		용	+			ᅱ	7	7	্য	\neg	N = HNO ₃ E	3 = NaOH) = Other	
Chevron PM: Karen Streich Lead Consultant: Gelle - Ryan In				ŧ		ی			Seg.		K		77	!	Ì	826	ŀ	S = H ₂ SO ₄ C		
Consultant/Office: 3140 Gold Camp Dr. Suite Card				}	☐ Potable ☐ NPDES	Containers	☐ 8021 月		Silica Gel Cleanup		図 0000		9	<u> </u>		<u>ي</u> د	Į	☐ Must meet lowe	st detection	
Consultant Prj. Mgr.: Grea Gur 55					S	8						-~ 3		~ I	8		possible for 826	•	nds	
Consultant Phone #: 916-631-1314	16-631-13	17			े ह	3260	용		82	421 E		\sim		2	土		8021 MTBE Confi		0	
Sampler: Ah orew Smith		ite.			Oil ☐ Air ☐ Total Number		TPH 8015 MOD	TPH 8015 MOD DRO	Oxygenates	eed 7420 😿 7421	7	ωl	O	욘	1		Confirm all hits			
Service Order #: No		Grab	_	Ē	V Ž □ īs	BTEX + MTBE	8015	TPH 8015 MO	ő	7430	Hdr	Cd	106	627)	□Runoxy s			
Sample Identification	Date Collected	Time Collected	Grab			Oil 🗆 Total	BTE	垂	표	3		1	Ц		3	<u>01</u>		Runoxy s		
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3460 Rev. 7/30/01