Aaron Costa
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2961
Fax (925) 543-2324
acosta@chevron.com

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-3600
2200 Telegraph Avenue
Oakland, CA

I have reviewed the attached site conceptual model dated December 30, 2008.

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

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

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

Sincerely,

Aaron Costa
Project Manager

Attachment: SCM

CONESTOGA-ROVERS
& ASSOCIATES

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

December 30, 2008

Reference No. 311965

Mr. Steven Plunkett
Alameda County Environmental Health Services (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Site Conceptual Model
Chevron Service Station 9-3600
2200 Telegraph Avenue.
Oakland, California
Fuel Leak Case No. RO0002435

Dear Mr. Plunkett:

Conestoga-Rovers & Associates is submitting the attached *Site Conceptual Model* (SCM) for the site referenced above on behalf of Chevron Environmental Management Company (Chevron). The SCM is in the format requested by ACEH. A work plan will be submitted under separate cover by January 31, 2009.

Please contact Charlotte Evans at (510) 420-3351 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charlotte Evans

PROFESSIONAL GEOLOGIST
BRANDON S. WILKEN
No. 7564
STATE OF CALIFORNIA

Brandon S. Wilken, P.G. #7564

CE/doh/2
Enc.

cc: Mr. Aaron Costa, Chevron Environmental Management Company

Chevron Branded Service Station 9-3600 - 2200 Telegraph Avenue, Oakland, CA
Fuel Leak Case No. RO0002435

	Description	Cited Data Sources	Data Tables	Graphics	Data Gaps	Work Necessary to fill data gap	Comments
Site Setting	**Site Geology** The site is located on the East Bay Plain, approximately four miles east of San Francisco Bay. The site is located on the eastern flank of the San Francisco Basin, a broad Franciscan Complex depression. The basin's basement is overlain first by the Pleistocene Santa Clara Formation, then the Alameda Formation and lastly the Temescal Formation. These units consist of unconsolidated sediments varying in total thickness from approximately 300 to 1000 feet. The Santa Clara Formation consists primarily of alluvial fan deposits interspersed with lake, swamp, river channel and flood plain deposits. The overlying Alameda Formation was deposited in an estuary environment and consists of organic clays and alluvial deposits. The Temescal Formation is an alluvial deposit ranging from 1 to 50 feet thick that consists primarily of silts and clays overlying a basal gravel unit (RWQCB, 1999). Soil encountered beneath the site generally consists of silty and clayey sand from grade to depths of approximately 5-10 feet below grade (fbg), underlain by sandy clay and poorly graded sand to 20 fbg, the total depth explored. The Bay Area Rapid Transit (BART) right-of-way runs northwest-southeast, directly beneath the site. No work can be completed at greater than 10 fbg and no power boring equipment may be used within the right-of-way.	Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California, 2000, by R.W. Graymer, U.S. Geological Survey Misc. Field Studies MF-2342. (http://pubs.er.usgs.gov/public_search)		Expanded Site Plan Cross Section A-A' Cross Section B-B'			
	Groundwater Conditions The site is located within the Oakland sub-area of the East Bay Plain groundwater basin. This basin encompasses approximately 115 square miles and is bounded by San Pablo Bay to the north, Alameda County to the south, the Hayward Fault to the east and the San Francisco Bay to the west. Groundwater flow direction in the basin typically flows along surface topography. Groundwater in this basin is designated as beneficial for municipal and domestic water supply as indicated in the San Francisco Bay Basin Water Quality Control Plan prepared by the California Regional Water Quality Control Board – Region 2. However, current beneficial water use of groundwater in the basin is minimal due to readily available, high-quality imported surface water. The site's topography is relatively flat at an elevation of approximately 20 feet above mean sea level. Depth to groundwater has historically ranged from approximately 11 to 12 fbg. Groundwater flow direction is to the southeast at a gradient of 0.005. The nearest surface water is Lake Merritt, which is located approximately one mile east of the site. Lake Merritt drains into Oakland Inner Harbor.	1999 California Regional Water Quality Control Board [RWQCB], San Francisco Bay Region's East Bay Plain Ground Water Basin Beneficial Use Evaluation Report (www.swrcb.ca.gov/rwqcb2/eastbayplain.shtml		Vicinity Map			
	Soil Conditions In 1986, Blaine Tech Services, Inc. (Blaine Tech) sampled the tank pit for installation of new tanks. The maximum total petroleum hydrocarbons as gasoline (TPHg) concentration was 44 milligrams per kilogram (mg/kg) at 2 fbg. No other constituents were analyzed in these samples. In 1994, Touchstone Developments collected soil samples from the bottom of product line trenches during a station remodel. Maximum TPHg concentration detected was 3.6 mg/kg. No benzene was detected in any of the ten soil samples collected during this investigation. In 2000, Gettler-Ryan Inc. (G-R) advanced 8 soil borings to depths ranging from 4 to 16 fbg. G-R encountered refusal at 4 fbg in boring B-8 and no soil samples from that boring were submitted for laboratory analysis. No TPHg, benzene, or methyl tertiary butyl ether (MTBE) was detected in any	1986 Blaine Tech Tank Pit Sampling Report 1994 Touchstone Piping Sampling Report 2000 G-R Baseline Investigation	Cumulative Soil Analytical Data Table	Expanded Site Plan	In the September 11, 2008 letter, ACEH requested the tank closure report and any additional documents associated with the UST removal, soil excavation, disposal and confirmation soil sampling.	CRA is unable to find any tank closure report or any additional documents. In the Blaine Tech report, it states, "Sampling of re-excavated backfilled tank pit from which a tank had been previously removed in order to set a new tank in the same location."	

	Description	Cited Data Sources	Data Tables	Graphics	Data Gaps	Work Necessary to fill data gap	Comments
	of the 13 soil samples collected. An underground BART tunnel below the site prohibited boring depth greater than 10 fbg and power equipment use. Due to depth to groundwater greater than 10 fbg, no soil samples were collected from below the water table. In 2002 G-R advanced three soil borings to 20 fbg, collected soil and grab-groundwater samples and converted the borings into groundwater monitoring wells MW-1 through MW-3. The soil sample collected from MW-1 at 11.5 contained 3.2 mg/kg TPHg. No TPHg, benzene or MTBE was detected in any of the other 11 soil samples collected.	2002 G-R Well Installation Report				CRA will be contacting the Oakland Fire Dept. to determine if they have any other records of the previous USTs.	
	Source Area Historically, TPHg concentrations in soil were greatest at 44 mg/kg from tank pit samples collected in 1986 on the eastern, downgradient side of the tank pit. During product piping removal, with the exception of 3.6 mg/kg TPHg, no TPHg or benzene were detected in the eight soil samples collected beneath the piping. Trace toluene, ethylbenzene, and xylenes concentrations were detected in four samples. Hydrocarbon concentrations were not detected in any of the soil samples collected during the 2000 baseline investigation. Soil encountered during the 2002 well installation contained a maximum TPHg concentration of 3.2 mg/kg. No benzene or MTBE was detected during this investigation. Hydrocarbon impacts in soil are minimal. During UST replacement in 1986, the grab-groundwater sample collected from groundwater encountered in the pit contained 480,000 micrograms per liter (µg/L) TPHg and 10,000 µg/L benzene. Since groundwater monitoring began in 2002, hydrocarbon concentrations have been greatest in MW-1 ranging historically from 480 µg/L to 2,100 µg/L. Groundwater in MW-2 and MW-3 seldom contains detectable hydrocarbon concentrations.		Cumulative Soil Analytical Data Table Cumulative Grab-Groundwater Analytical Data Table 4Q2008 G-R QMR	Cross Section A-A' Cross Section B-B' 1986 Blaine Tech Tank Pit Sampling Report	In the September 11, 2008 letter ACEH requests additional source area characterization via three additional soil borings. During the 2000 baseline, G-R advanced 8 borings to a maximum of 16 fbg, but only collected samples to a maximum of 10 fbg. G-R hit refusal in two of the eight borings.	Advance downgradient soil borings and collect soil and grab-groundwater samples. A work plan for additional site assessment to be submitted under separate cover by January 31, 2009.	
	Dissolved Plume/Groundwater Depth to groundwater beneath the site ranges from approximately 11 to 12 fbg and flows toward the southeast. During UST installations in 1986, a grab-groundwater sample was collected from groundwater encountered in the pit. The sample contained 480,000 µg/L TPHg and 10,000 µg/L benzene. In October 1992, Groundwater Technology, Inc. collected a groundwater sample from onsite vadose well VW-2-1. There is no record of its installation, location, depth or destruction. Hydrocarbon concentrations of 42,000 µg/L TPHg, 3,300 µg/L benzene, 7,100 µg/L toluene, 540 µg/ ethylbenzene, and 10,000 µg/L xylenes were detected in the grab-groundwater sample. More information is available in Groundwater Technology, Inc.'s November 20, 1992 *Monitoring and Sampling Report of Vadose Well 2-1*. In 2002, G-R installed three groundwater monitoring wells screened from 5 to 20 fbg. Groundwater beneath the site has been monitored on a quarterly basis. With the exception of trace MTBE concentrations from three monitoring events, no hydrocarbons have been detected in wells MW-2 and MW-3, both located roughly cross-gradient of the dispenser islands and up-gradient of the UST pit. Well MW-1, located adjacent to the UST pit and down-gradient of the dispenser islands contains the highest dissolved hydrocarbon concentrations. Maximum concentrations historically detected in this well have been: 2,100 µg/L TPHg, 9.2 µg/L benzene, and 9,800 µg/L MTBE (however this is considered an anomaly because the second highest concentration was 420 µg/L MTBE.) During the most recent sampling event, TPHg and MTBE were detected at 1,600 and 53 µg/L, respectively. No benzene has been detected since the July 2004 sampling event. The dissolved plume is centered on MW-1 and defined to the north and south by MW-2 and MW-3, respectively. The BART right-of-way and subway tunnel runs northwest-southeast, directly beneath the site. No work can be completed at greater than 10 fbg and no power boring equipment	4Q08 QMR 1986 Blaine Tech Tank Pit Sampling Report 1992 Groundwater Technology Inc. Vadose Well Monitoring and Sampling Report 2002 G-R Well Installation Report	Cumulative Grab-Groundwater Analytical Data Table Monitoring Well Construction Details Table	Expanded Site Plan Trend Graphs Cross Section A-A' Cross Section B-B'	Down-gradient extent of TPHg and MTBE in groundwater undefined. No groundwater monitoring point down-gradient of MW-1.	Advance downgradient soil borings and collect soil and grab-groundwater samples. A work plan for additional site assessment to be submitted under separate cover by January 31, 2009.	

	Description	Cited Data Sources	Data Tables	Graphics	Data Gaps	Work Necessary to fill data gap	Comments
	may be used within the right-of-way. No well can be installed deep enough in this area to regularly sample groundwater.						
	Vapor ***1986 Vadose Well Installation:*** During station reconstruction in 1986–1987, sixteen vadose wells equipped with vapor sensors were reportedly installed because BART tracks run directly beneath the site in an underground tunnel. No analytic data or report is available for these well installations. G-R concluded that the vapor wells and sensors were abandoned and removed from the site at an unknown date.		1992 Groundwater Technology Inc. Vadose Well Monitoring and Sampling Report		None. There is a parking lot in the down-gradient direction.		
	Remediation ***1986 Tank Pit Sampling:*** In October 1986, new gasoline USTs were installed in the location of the original tank pit. Blaine Tech collected soil and groundwater samples prior to installation of the new USTs. TPHg was detected in soil samples at a maximum concentration of 44 mg/kg at 2 fbg. TPHg and benzene were detected in the grab-groundwater sample collected in the tank pit at 480,000 µg/L and 10,000 µg/L, respectively. No toluene or xylenes were detected in this grab groundwater sample. Additional information on soil and groundwater sampling is available in Blaine Tech's account of site activities dated November 21 and 28, 1986. ***1994 Product Line Replacement:*** In July 1994, gasoline product lines were removed and replaced to up-grade the product delivery system. Excavation of approximately 100 cubic yards of soil was performed, and Touchstone Developments collected compliance soil samples P-1 through P-8 from product line trenches at depths between approximately 4.5 and 5.5 fbg. No benzene was detected in any sample. TPHg was detected in one sample at a concentration of 3.6 mg/kg at a depth of 5.5 fbg. Toluene, ethylbenzene, and xylenes were detected at maximum concentrations of 0.03 mg/kg, 0.012 mg/kg, and 1.3 mg/kg, respectively. Additional information is available in Touchstone Developments' August 9, 1994 *Product-Line Removal and Sampling Report*.	1986 Blaine Tech Tank Pit Sampling Report 1994 Touchstone Piping Sampling Report	Cumulative Soil Analytical Data Table	Expanded Site Plan			
	Subsurface Investigations ***2000 Baseline Evaluation:*** In November 2000, GR advanced soil borings B-1 through B-8 to depths ranging from 5 to 16 fbg for a baseline evaluation for Chevron prior to property transfer. B-2 through B-6 were advanced above the BART underground tunnel and were therefore only advanced to 10 fbg in accordance with BART restrictions. No TPHg or BTEX were detected in soil collected from the borings. Grab-groundwater samples were collected from B-1 and B-7. Boring B-1, located adjacent to the UST pit, contained 29,000 µg/L TPHg, 180 µg/L benzene, 2,200 µg/L ethylbenzene, 1,100 µg/L xylenes, 730 µg/L MTBE, and 380 µg/L tert-butyl alcohol (TBA). No hydrocarbons were detected in B-7. Additional information is available in G-R's November 21, 2000 *Baseline Evaluation*. ***2002 Monitoring Well Installation:*** In March 2002, GR installed groundwater monitor wells MW-1 through MW-3. No hydrocarbons were detected in soil samples from well borings MW-2 and MW-3. Only TPHg and ethylbenzene were detected in soil samples from MW-1 at concentrations of 3.2 mg/kg and 0.015 mg/kg, respectively, at a depth of 11.5 fbg. Additional information is available in G-R's May 30, 2002 *Monitoring Well Installation Report*.	2000 G-R Baseline Investigation 2002 G-R Monitoring Well Installation Report	Cumulative Soil Analytical Data Table	Expanded Site Plan			
	Preferential Pathways CRA contacted Underground Service Alert and hired a private utility locator to locate and measure the depths of utilities near the site. The deepest utilities were storm sewer lines at approximately six fbg. Groundwater monitoring at the site has occurred from April 2002 to present. During this period, depth to groundwater has consistently been deeper than 10 fbg beneath the site.						

	Description	Cited Data Sources	Data Tables	Graphics	Data Gaps	Work Necessary to fill data gap	Comments
	CRA compiled well and soil boring data provided by California Department of Water Resources (DWR) into the attached well survey table. The nearest municipal and irrigation wells are approximately 3,800 and 2,500 feet from the site, respectively. Wells in DWR records with undefined uses are approximately 3,000 feet from the site.		DWR Well Survey Table	Site Plan with Utility Survey Data			
	Nearby Release Sites There are three nearby, open environmental cases listed in the Alameda County Environmental Health Local Oversight Program's online database. Former Exxon No. 7-0235 (RO0000358) is an open UST fuel leak case located to the northeast (upgradient) of the subject Chevron site. The dissolved MTBE plume is not defined in the downgradient direction (toward the subject Chevron site). (Documents available at http://geotracker.swrcb.ca.gov) Dave's Station (RO0000359) north of the subject site across West Grand Avenue is an open UST fuel leak case. Dissolved total petroleum hydrocarbons as diesel (TPHd) and TPHg plumes have migrated from this site roughly towards the Douglas Parking lot adjacent to the subject Chevron site. (Documents available at http://geotracker.swrcb.ca.gov) Benner Automotive (RO0002518) is roughly ¼-mile northeast of the site. ACEH has agreed that case closure is appropriate for this UST fuel leak case, currently an automotive repair business. (Documents available at http://geotracker.swrcb.ca.gov)	2007 Environmental Resolutions Inc. Site Conceptual Model for former Exxon 2008 Fugro West QMR for Dave's Station 2008 ACEH Directive Letter for Benner Auto		Nearby Release Site Plan			
	Drivers Dissolved MTBE concentrations remain in groundwater beneath the site and offsite migration is possible.				Down-gradient extent of TPHg and MTBE in groundwater undefined. No groundwater monitoring point down-gradient of MW-1.	Advance downgradient soil borings and collect soil and grab-groundwater samples.	
	Proposed Workplan Additional site investigation work plan to advance downgradient soil borings and collect soil and grab-groundwater samples will be submitted under separate cover by January 31, 2009.						

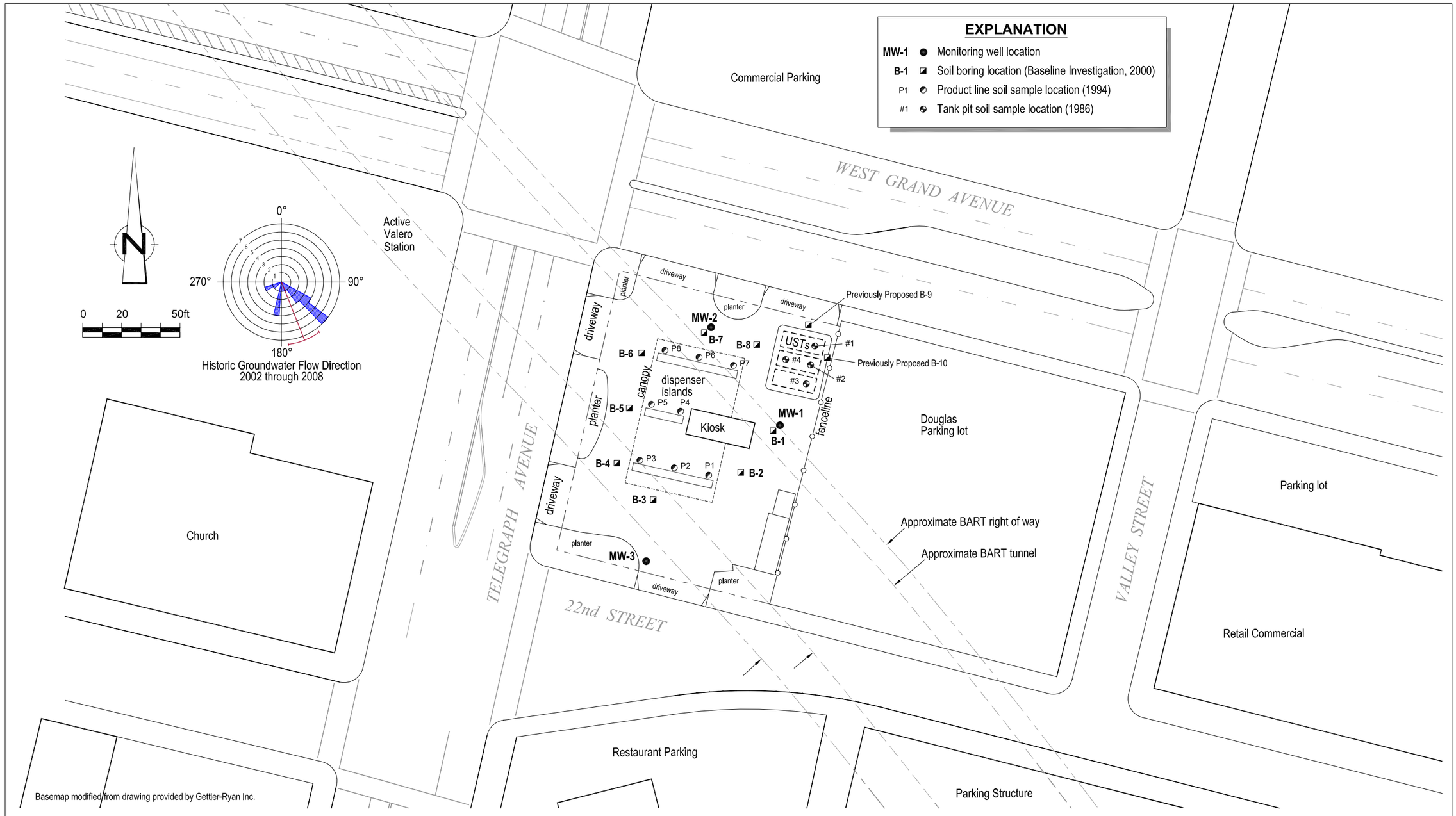


FIGURE 2

HISTORICAL BORINGS SITE PLAN
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE
Oakland, California

I:\CHEVRON\311965\311965 9-3600 OAKLAND\311965 FIGURES\311965_EM001.DWG

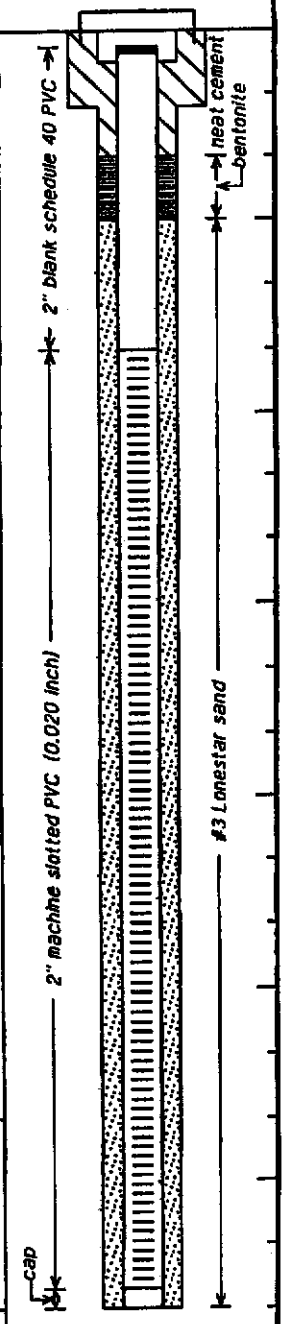
Gettler-Ryan, Inc.

Log of Boring MW-1

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, California*
GR PROJECT NO.: *DG93600G.4CT1*	CASING ELEVATION:
DATE STARTED: *03/12/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *03/12/02*	WL (ft. bgs): *11.20* DATE: *03/12/02* TIME: *13:09*
DRILLING METHOD: *8 in. HSA – Limited Access Rig*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling, Inc.*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
			Asphalt – 6 inches thick.
		SC	CLAYEY SAND (SC)
3		CL	CLAY WITH SAND (CL) – brown to dark brown (7.5YR 3/3), moist; 80% clay, 20% fine to medium sand, trace fine gravel.
6	MW-1-6.5		
9			CLAY (CL) – black (N2 5Y), moist; 90% clay, 10% fine sand, faint organic odor.
12	MW-1-11.5	SC	CLAYEY SAND (SC) – brown (7.5YR 3/3), wet, medium dense; 60% fine sand, 40% clay, abundant iron oxidation.
15	MW-1-16.5		
18		CL	SANDY CLAY (CL) – brown to green (2.5Y 5/3), trace gray mottling, wet; 70% clay, 30% fine sand, abundant iron oxidation.
21	MW-1-20		Bottom of boring at 20 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG93600G.4CT1*

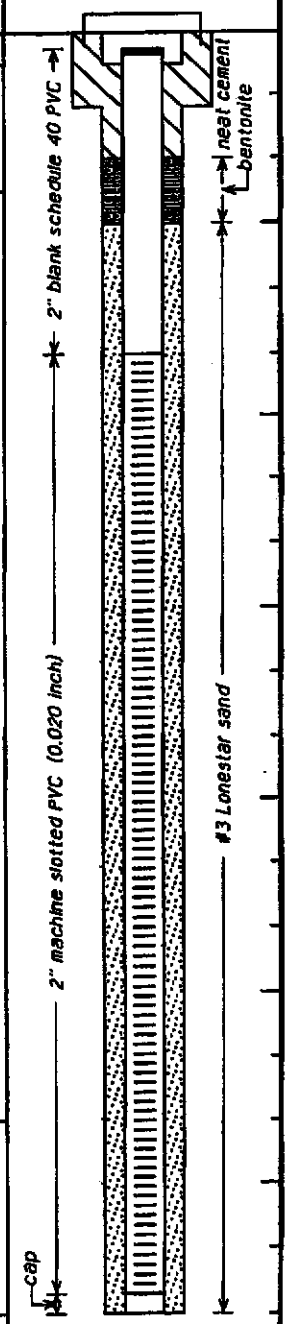
Gettler-Ryan, Inc.

Log of Boring MW-2

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, California*
GR PROJECT NO.: *DG936006.4CTI*	CASING ELEVATION:
DATE STARTED: *03/12/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *03/12/02*	WL (ft. bgs): *11.65* DATE: *03/12/02* TIME: *13:16*
DRILLING METHOD: *8 in. HSA – Limited Access Rig*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling, Inc.*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
			Asphalt – 6 inches thick.
		SM	SILTY SAND (SM)
3		CL	CLAY (CL) – black (N.2.5), moist; 80% clay, 20% silt, trace shell fragments.
6	MW-2-6.5		
9			Color changes to dark brown (2.5Y 4/3), moist, very plastic; 70% clay, 20% silt, 10% fine sand, abundant iron oxidation, abundant black organic matter.
12	MW-2-11.5		
15	MW-2-16.5		Becomes wet.
18		SP	POORLY GRADED SAND (SP) – light olive brown (2.5Y 5/3), wet; 100% very fine sand, trace iron oxidation.
21	MW-2-20		Bottom of boring at 20 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG936006.4CTI*

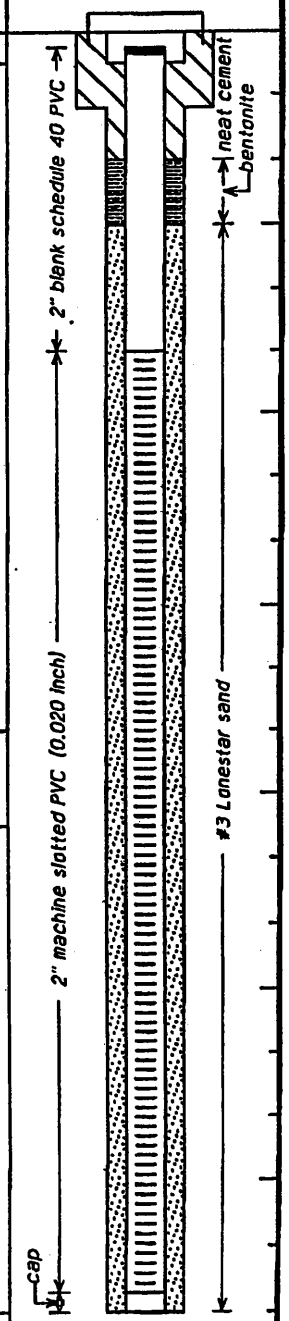
Gettler-Ryan, Inc.

Log of Boring MW-3

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, California*
GR PROJECT NO.: *DG93600G.4CT1*	CASING ELEVATION:
DATE STARTED: *03/12/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *03/12/02*	WL (ft. bgs): *10.60* DATE: *03/12/02* TIME: *13:05*
DRILLING METHOD: *8 in. HSA - Limited Access Rig*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling, Inc.*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
			Asphalt - 6 inches thick.
		CL	SANDY CLAY (CL) - brown (7.5YR 4/3), moist.
6	MW-3-6.5		
12	MW-3-11.5	SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), wet; 95% fine sand, 5% silt, abundant iron oxidation, abundant black organic matter.
		SM	SILTY SAND (SM) - brown (7.5YR 4/3), wet; 80% fine sand, 20% silt, abundant iron oxidation, trace gravel.
15	MW-3-16.5		
18	MW-3-20		Color changes to light olive brown (2.5Y 5/3); trace white mineralization.
21			Bottom of boring at 20 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG93600G.4CT1*

Gettler-Ryan, Inc.

Log of Boring B-1

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *15 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SC	CLAYEY SAND (SC) - brown to dark brown (7.5YR 3/3), moist; 50% fine to medium sand, 30% clay, 20% gravel (<1 inch diameter).	Boring backfilled with neat cement from the bottom to ground surface.
3	1.1						
6	2.1				CL	Color changes to dark brown (7.5YR 3/3), becomes 70% fine to medium sand, 30% clay, trace of gravel (<1 inch diameter).	
	2.8					CLAY (CL) - black (N2 5Y), moist; 90% clay, 10% fine sand, trace of silt, faint organic odor.	
9	340					SILTY CLAY (CL) - brown (7.5YR 3/3) mottled with gray to green; moist; 80% clay, 20% silt, abundant iron oxide staining, trace of fine sand.	
	639						
12	850					CLAY (CL) - brown to green (2.5Y 5/3), wet; 60% clay, 20% silt, 20% fine sand, trace of silt, strong hydrocarbon odor.	Grab groundwater sample B-1-11/08/00 (W) collected at 12.5 feet.
15	..					Bottom of boring at 15 feet bgs.	
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-2

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

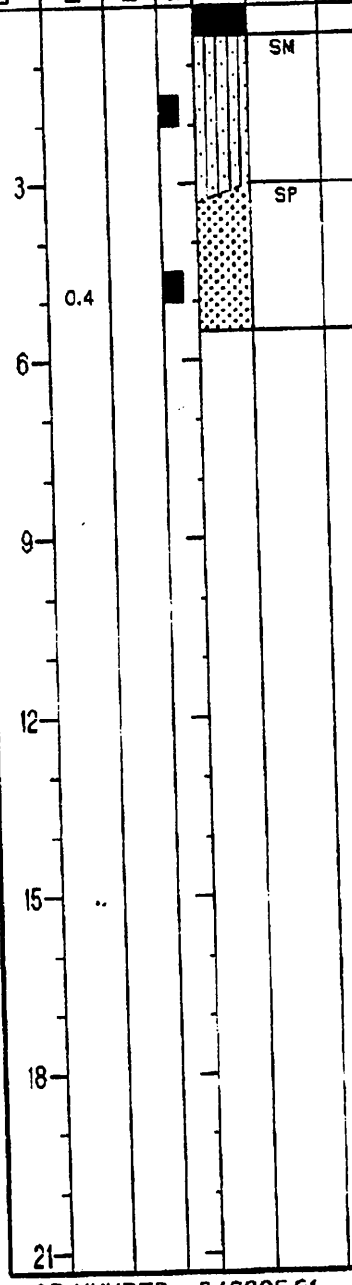
DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT – 6 inches thick.	
					SM	SILTY SAND (SM) – olive brown (2.5Y 4/4), moist; 70% fine to medium sand, 30% silt, hydrocarbon odor.	Boring backfilled with neat cement from the bottom to ground surface.
3	1.6				SC	CLAYEY SAND (SC) – olive brown (2.5Y 4/4), moist; 70% fine to medium sand, 30% clay.	
					SM	SILTY SAND (SM) – brown (7.5YR 4/3), moist; 80% fine to medium sand, 20% silt.	
6	1.1						
					SP	POORLY GRADED SAND (SP) – brown (7.5YR 4/3), moist; 100% fine to medium sand, trace of coarse sand, trace of shell fragments, no hydrocarbon odor.	
9	23.6					Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-3

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *5.5 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*



SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
	ASPHALT - 8 inches thick.	Boring backfilled with neat cement from the bottom to ground surface.
SM	SILTY SAND (SM) - brown (7.5YR 4/3), moist; 80% fine to medium sand, 20% silt.	
SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), moist; 100% fine to medium sand, no hydrocarbon odor.	
	Bottom of boring at 5.5 feet bgs.	

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-4

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO. : *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT – 6 inches thick.	
					SM	SILTY SAND (SM) – brown (7.5YR 4/3), moist; 70% fine to medium sand, 30% silt.	Boring backfilled with neat cement from the bottom to ground surface.
3					SP	POORLY GRADED SAND (SP) – brown (7.5YR 4/3), moist; 100% fine to medium sand, trace of coarse sand, trace of clay, trace of shell fragments.	
	0.8						
6							
	0.4					Becomes 100% fine to medium sand, 20% gravel.	
9					SM/SC	SILTY AND CLAYEY SAND (SM/SC) – dark brown (7.5YR 3/3), moist; 60% fine to medium sand, 20% silt, 20% clay.	
	0					Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-5

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SC	CLAYEY SAND WITH SILT (SC) - olive brown (2.5Y 4/4), moist; 60% fine to medium sand, 30% clay, 10% silt.	Boring backfilled with neat cement from the bottom to ground surface
3	1.5						
	1.3				SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), moist; 90% fine to medium sand, 10% silt, trace of shell fragments.	
6	1.0				CL	SANDY CLAY (CL) - dark brown (7.5YR 3/3) mottled with brown, moist; 80% clay, 20% sand, no hydrocarbon odor.	
	0.9				SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), moist; 100% fine to medium sand, trace of shell fragments.	
9	0.8					Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-6

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegrapn Avenue, Oakland, CA.*
GR PROJECT NO. : *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT – 6 inches thick.	
					SP	POORLY GRADED SAND (SP) – brown (7.5YR 4/3), moist; 100% fine sand, trace of shell fragments.	Boring backfilled with neat cement from the bottom to ground surface.
3	0.3						
6							
9							
						Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-7

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *16 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

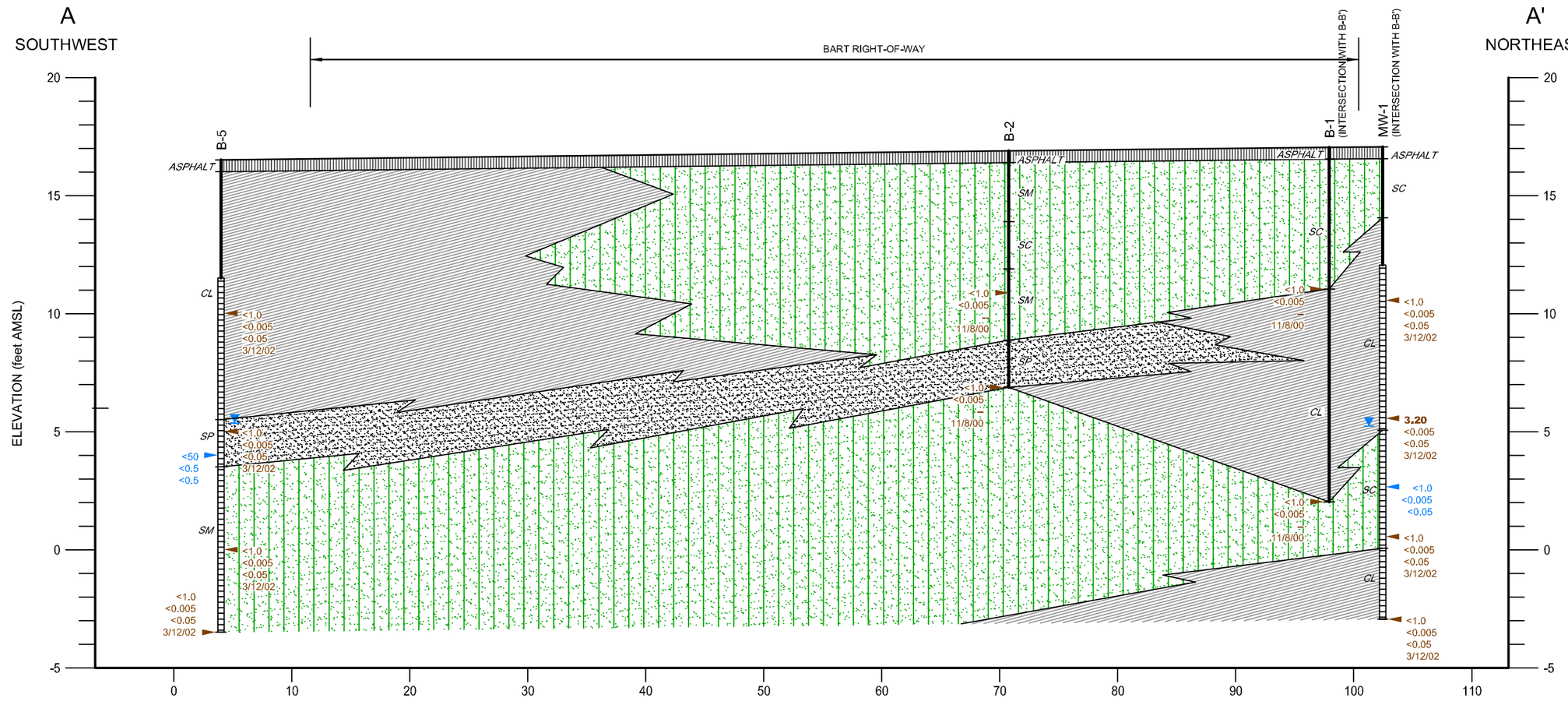
DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT – 6 inches thick.	
					CL	SILTY CLAY (CL) – black (N2.5), moist; 80% clay, 20% silt, trace of fine sand.	Boring backfilled with neat cement from the bottom to ground surface
3							
	339						
6						Color changes to dark brown (2.5Y 4/3), becomes 70% clay, 20% silt, 10% fine sand, trace of iron oxide staining, trace of black organic matter.	
9							
	5.5						
12							
15	"						Grab groundwater sample B-7-W-11/08/00 (W) collected at 16 feet.
						Bottom of boring at 16 feet bgs.	
18							
21							

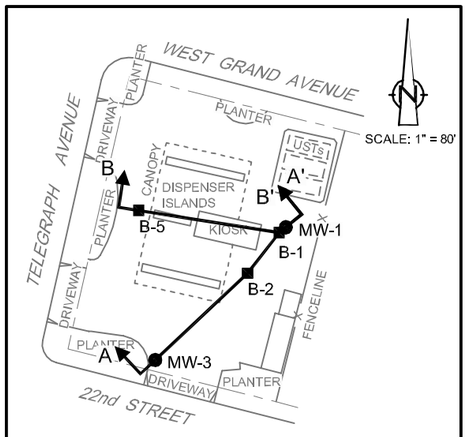
JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.	Log of Boring B-8
PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *4 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SM	SILTY SAND (SM) - brown (7.5YR 4/3), moist; 70% sand, 30% silt.	Boring backfilled with neat cement from the bottom to ground surface
3						Bottom of boring at 4 feet bgs.	
6							
9							
12							
15							
18							
21							

JOB NUMBER: *346895.01*





BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER-RYAN INC.

LEGEND

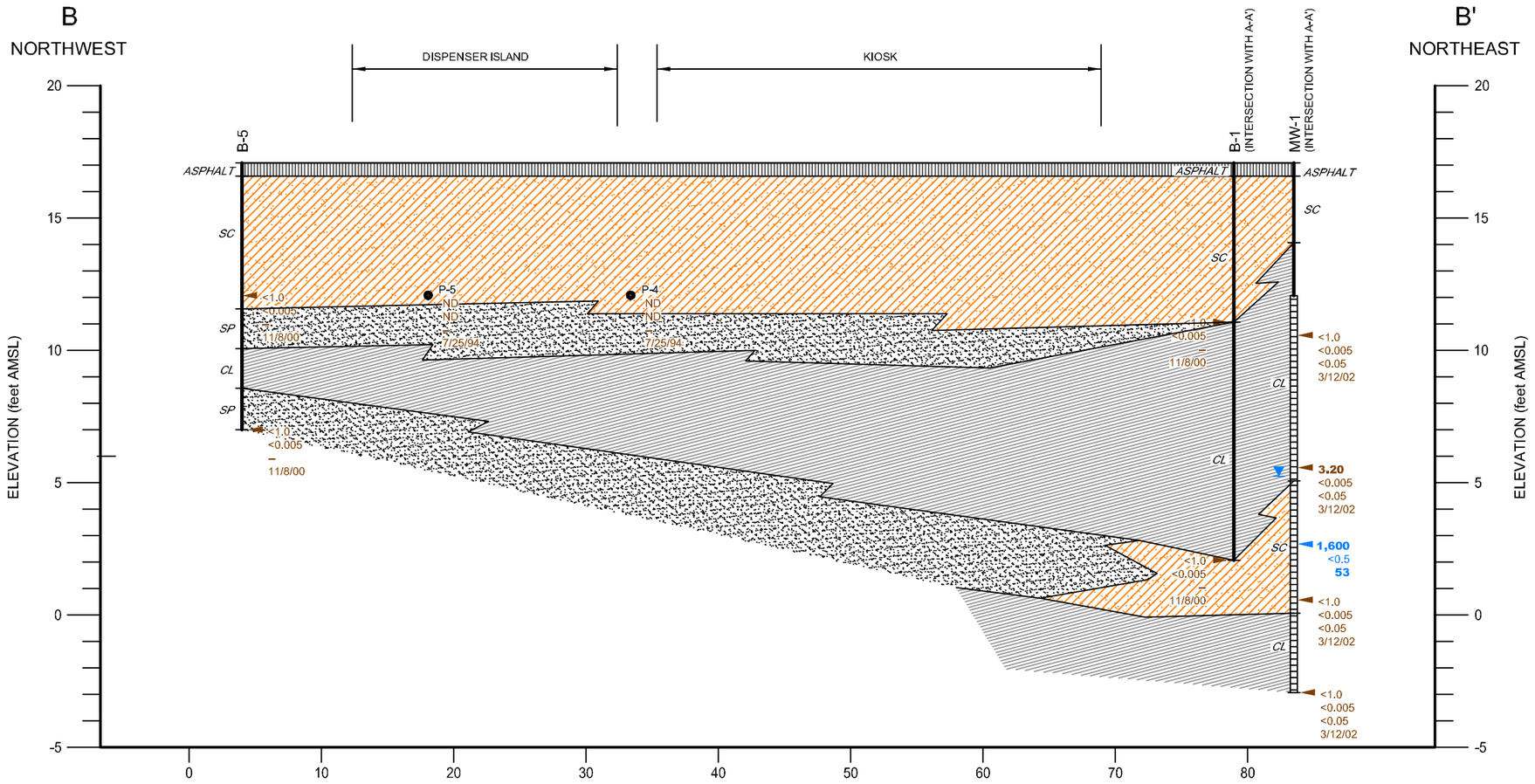
- MW-3 — WELL DESIGNATION
- GROUND SURFACE
- OBSERVATION WELL INSTALLATION
- STRATIGRAPHIC BOUNDARY
- CL — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- APPROXIMATE SAMPLE LOCATION (mg/kg)
- TPHg / BENZENE / MTBE / DATE — HYDROCARBON CONCENTRATIONS IN SOIL
- APPROXIMATE GROUNDWATER SAMPLE LOCATION (4/4/08) (µg/L)
- TPHg / BENZENE / MTBE — HYDROCARBON CONCENTRATIONS IN GROUNDWATER
- GROUNDWATER DEPTH
- -- NOT AVAILABLE

- *ASPHALT*
- *CL* - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
- *SP* - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- *SC/SM* - SILTY SANDS, SAND-SILT MIXTURES, CLAYEY SANDS, SAND-CLAY MIXTURES

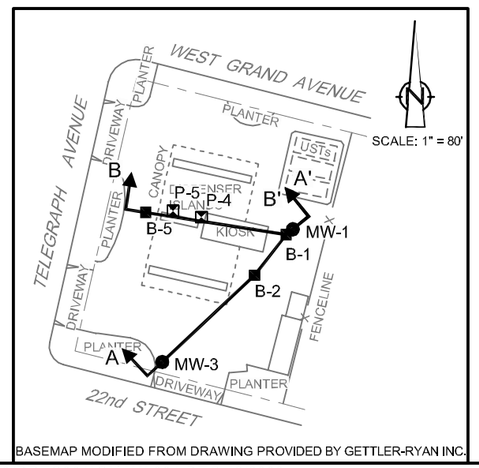
figure 3

CROSS SECTION A-A'
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE
Oakland, California

311965-2008(PRES001)GN-WA001 SEP 29/2008



SCALE: HORZ. 1" = 10'
VERT. 1" = 5'



BASEMAP MODIFIED FROM DRAWING PROVIDED BY GETTLER-RYAN INC.

LEGEND

- MW-1 — WELL DESIGNATION
- GROUND SURFACE
- OBSERVATION WELL INSTALLATION
- STRATIGRAPHIC BOUNDARY
- CL — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- APPROXIMATE SAMPLE LOCATION (mg/kg)
  - TPHg
  - BENZENE
  - MTBE
  - DATE
  - HYDROCARBON CONCENTRATIONS IN SOIL
- APPROXIMATE GROUNDWATER SAMPLE LOCATION (4/4/08) (µg/L)
  - TPHg
  - BENZENE
  - MTBE
  - HYDROCARBON CONCENTRATIONS IN GROUNDWATER
- GROUNDWATER DEPTH
- -- NOT AVAILABLE

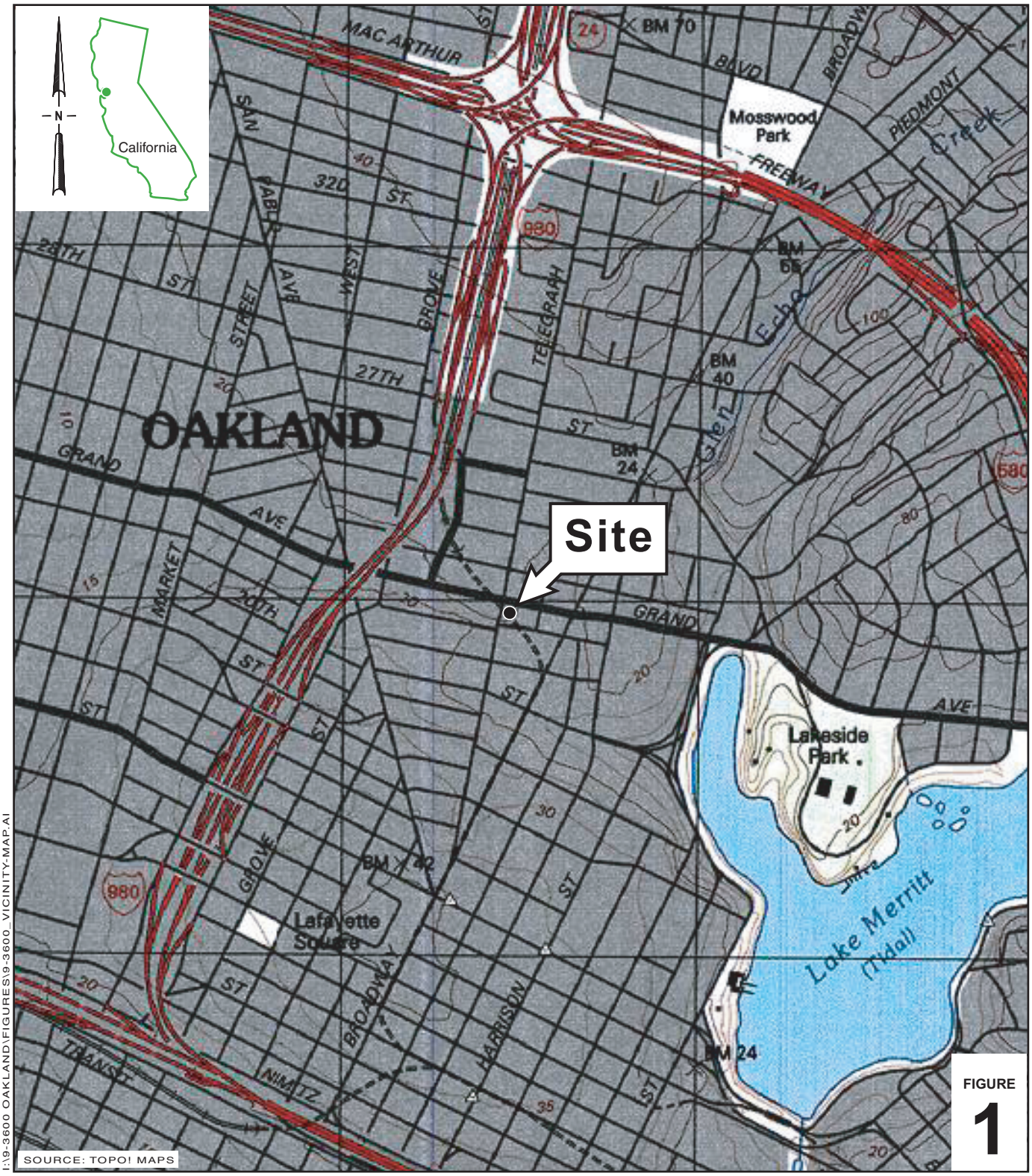
- *ASPHALT*
- *CL* - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
- *SP* - POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
- *SC* - CLAYEY SANDS, SAND-CLAY MIXTURES

figure 4

CROSS SECTION B-B'
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE
Oakland, California

311965-2008(PRES001)GN-WA001 DEC 12/2008

05/23/08



I:\9-3600 OAKLAND\FIGURES\9-3600_VICINITY-MAP.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Chevron Service Station 9-3600

2200 Telegraph Avenue

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

BLAINE
TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

November 21, 1986

SEP 29 '89 H.C.H.

Chevron USA, Inc.
2 Annabel Lane, Suite 200
San Ramon, CA 94583

Attention: Fara D. Vazinpour

Re: Field sampling at

Chevron Station
West Grand & Telegraph
Oakland, CA
on
October 24, 1986
and
October 27, 1986

SS# 9-3600
FILE

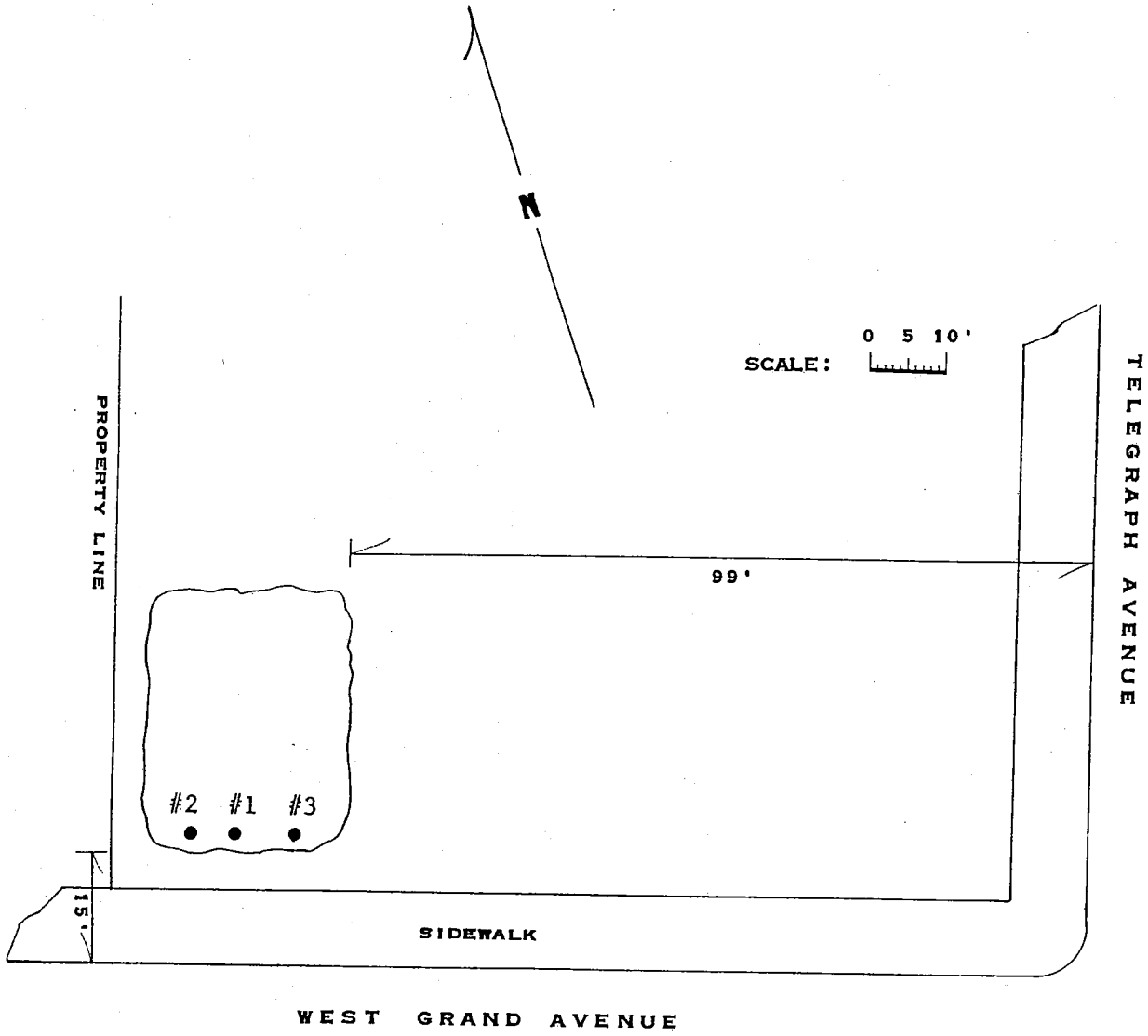
Field sampling was undertaken in accordance with State and local enforcement agency standards and requirements for objective analytical information on the levels of residual contaminants found outside the primary containment structure. This project concerned the following:

Sampling of a re-excavated backfilled tank pit from which a tank had been previously removed in order to set a new tank in the same location.

Sampling was performed in accordance with approved methodology at the locations shown on the accompanying site diagram. Additional information is presented on the diagram including our field sampling designations and the lab identification numbers which reference the analytical results which will be found in the separate laboratory report. Sample material was collected in special containers appropriate to the type of analysis intended. Sample containers were sealed, chilled, and transported to the laboratory with standard chain of custody records maintained at each transmittal. This sampling report, the chain of custody, and the analytical report comprise the formal documentation of the sampling conducted during this phase of work at the site.

BLAINE
TECH SERVICES

SAMPLING REPORT 86297F1 & 86300F1 10-24 & 10-27-86 CHEVRON, W. GRAND & TELEGRAPH, OAKLAND, CA



MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P, 9 B-3

10-24-86 86297F1

#1 SUBSURFACE WATER SAMPLE ANALYSIS FOR TOTAL HYDRO-CARBONS (THC) AS GASOLINE, BENZENE, TOLUENE AND XYLENE

10-27-86 86300F1

#2 SOIL FROM 13'
ANALYSIS FOR THC AS GASOLINE

#3 SOIL FROM 13'
ANALYSIS FOR THC AS GASOLINE

NOTE: ALL SAMPLES WERE TAKEN TO THERMO ANALYTICAL INC/ERG FOR ANALYSIS

SAMPLING PERFORMED BY
FRANK A. CLINE

DIAGRAM PREPARED BY
TAMMIE STALLINGS

Reportage

Submission to the Regional Water Quality Control Board and the local regulatory/enforcemnt agency should include copies of the sampling report, the chain of custody, and the laboratory report. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

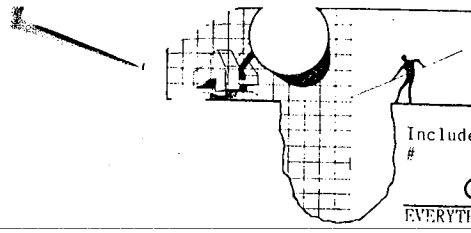
Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Peter Johnson

Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, Ca 94612
ATTN: Ted Jerow

If I can be of any further assistance, please call.

for Sigrid Blaine
Richard C. Blaine

RCB/tls



BLAINE TECH SERVICES

P.O. BOX 5745
SAN JOSE, CA 95150
(408) 723-3974

Include ALL of the following designation in lab reports and invoices

86297F1

Chevron, W Grand & Telegraph Oakland CA

EVERYTHING written above this line is the project designation

Field sampling completed ___:___ hrs. - -86 performed by

RELEASED BY		ACCEPTED BY	
4:53 hrs. 10-24-86		4:53 hrs. 10-24-86	Debbie Fisher
___:___ hrs. - -86		___:___ hrs. - -86	
___:___ hrs. - -86		___:___ hrs. - -86	
___:___ hrs. - -86		___:___ hrs. - -86	

I.D.	TYPE	ANALYSIS	LAB #	PRELIMS	FINAL
#1	Liquid	THC(Gas) BTX			(400)

TURN AROUND 4 hrs.

REPORT TO:
~~Blaine~~
Chevron USA
Attn Fara D. Vazinpour
Phone 415 798-0148

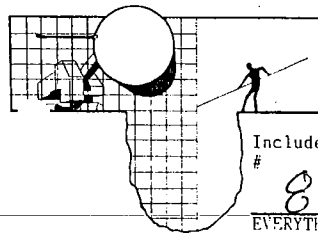
BILLING INVOICE TO:

Attn
Verbal/Ref PO From:

cc BLAINE TECH SERVICES (always)
cc OTHER:

SPECIAL INSTRUCTIONS

( ) Phone results to BTS
( ) Phone results to client direct



BLAINE TECH SERVICES

P.O. BOX 574
SAN JOSE, CA 9515
(408) 723-397

Include ALL of the following designation in lab reports and invoices

86300 F1 Chevron w Grand & Telegraph Oakland CA

EVERYTHING written above this line is the project designation

Field sampling completed 10a hrs. 10-27-86 performed by [signature]

RELEASED BY		ACCEPTED BY	
10:15 hrs. 10-27-86	[signature]	10:18 hrs. 10-27-86	[signature]
:__ hrs. - -86		:__ hrs. - -86	
:__ hrs. - -86		:__ hrs. - -86	
:__ hrs. - -86		:__ hrs. - -86	

I.D.	TYPE	ANALYSIS	LAB #	PRELIMS	FINAL
#2	Soil	THC (Gas)			~~4600~~ (4.5 ppm)
#3	Soil	THC (Gas)			(ND)

TURN AROUND by 10/27/86 by Afternoon

REPORT TO: Chevron USA

Attn Fara Vaziripour
Phone (415) 838-5224

BILLING INVOICE TO:

Attn
Verbal/Ref PO From:

cc BLAINE TECH SERVICES (always)
cc OTHER:

SPECIAL INSTRUCTIONS

( ) Phone results to BTS
( ) Phone results to client direct

TMA
Thermo Analytical Inc.

TMA/ERG
1400 West 53rd Street
Suite 460
Emeryville, CA 94608-2946
(415) 652-2300

Chevron USA
2 Annabel Lane, Suite #200
San Ramon, CA 94583

October 27, 1986
Report #9561
Release #71

Attention: Fara Vazinpour

Site Location: Chevron Station #1853, West Grand and Telegraph, Oakland.

RE: One (1) water sample submitted on October 24, 1986 for rush-ASAP gasoline and BTX analyses.

Procedure: The sample is analyzed for gasoline by following the method described in Attachment 2, Analytical Procedures for Fuel Leak Investigations. The sample is concentrated on a Tekmar LSC-2 automatic sample concentrator prior to injection into a gas chromatograph fitted with a flame ionization detector. Quantitation is performed, as total hydrocarbon response, against solutions made from a known concentration of gasoline. The limit of detection for this method of analysis is one part per million (mg/L).

The aromatic levels are determined by following a modified EPA Method 602 procedure. The volatile components of the samples are concentrated with a Tekmar LSC-2 automatic sample concentrator prior to injection into a gas chromatograph fitted with a photoionization detector. Quantitation is performed against solutions made fgrom known concentrations of aromatic compounds. The limit of detection is 0.5 parts per million (mg/L).

The results are shown below:

		Concentration (mg/L)			TOTAL HYDROCARBON
TMA/ERG #	CLIENT ID	BENZENE	TOLUENE	XYLENES	RESPONSE
9561-1	86297 F1 #1	10	ND(0.5)	ND(0.5)	480

ND = None detected. The limit of detection is in ( ).

Submitted by:

Robert B. Flay
Manager, Organics Department

RBF: sml

cc: Rich Blaine
Blaine Tech Services
P.O. Box 5745
San Jose, CA 95150

BLAINE
TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

November 28, 1986

SEP 29 '89 H.C.H.

Chevron USA, Inc.
2 Annabel Lane, Suite 200
San Ramon, CA 94583

Attention: Fara D. Vazinpour

Re: Field sampling at Chevron Station
West Grand & Telegraph
Oakland, CA
on
October 29, 1986

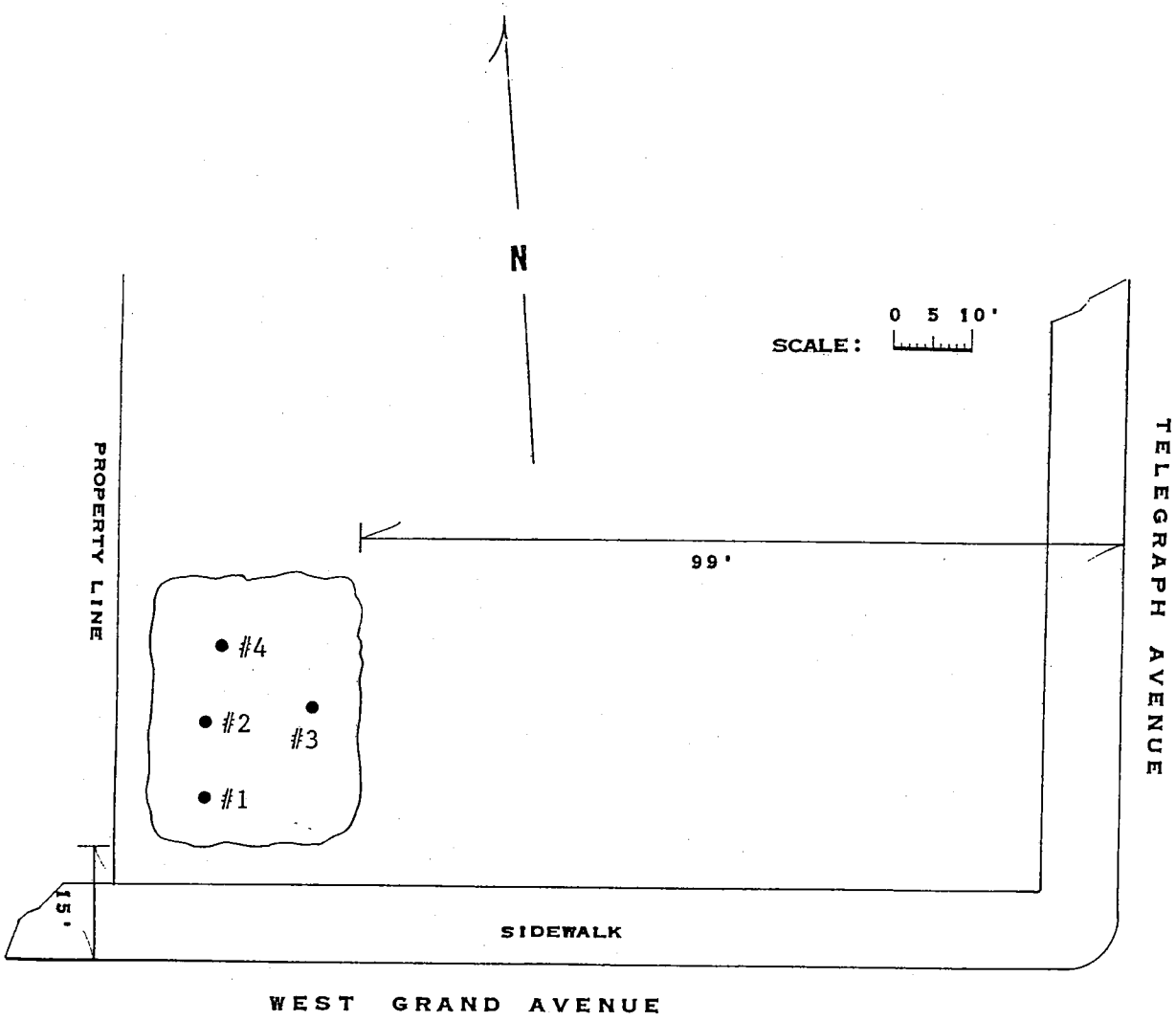
SAMPLING REPORT

Field sampling was undertaken in accordance with State and local enforcement agency standards and requirements for objective analytical information on the levels of residual contaminants found outside the primary containment structure. This project concerned the following:

> Sampling of a re-excavated backfilled tank pit from which a tank had been previously removed in order to set a new tank in the same location.

Sampling was performed in accordance with approved methodology at the locations shown on the accompanying site diagram. Additional information is presented on the diagram including our field sampling designations and the lab identification numbers which reference the analytical results which will be found in the separate laboratory report. Sample material was collected in special containers appropriate to the type of analysis intended. Sample containers were sealed, chilled, and transported to the laboratory with standard chain of custody records maintained at each transmittal. This sampling report, the chain of custody, and the analytical report comprise the formal documentation of the sampling conducted during this phase of work at the site.

SAMPLING REPORT 86302F4 10-29-86 CHEVRON, WEST GRAND & TELEGRAPH, OAKLAND, CA



MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P. 9 B-3

#1 SOIL FROM 2-3'
600 PPM-VAPOR
ANALYSIS FOR TOTAL HYDRO-
CARBONS (THC) AS GASOLINE

#2 SOIL FROM 2'
400 PPM-VAPOR
ANALYSIS FOR THC AS GASOLINE

#3 SOIL FROM 2'
600 PPM-VAPOR
ANALYSIS FOR THC AS GASOLINE

#4 SOIL FROM 2'
200 PPM-VAPOR
ANALYSIS FOR THC AS GASOLINE

NOTE: SAMPLES WERE COMPOSITED FOR ONE ANALYSIS AT THERMO ANALYTICAL INC/ERG

SAMPLING PERFORMED BY
FRANK A. CLINE

DIAGRAM PREPARED BY
TAMMIE STALLINGS

Reportage

Submission to the Regional Water Quality Control Board and the local regulatory/enforcemnt agency should include copies of the sampling report, the chain of custody, and the laboratory report. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Peter Johnson

Alameda County Health
Hazardous Materials Management
420 27th Street
Oakland, Ca 94612
ATTN: Ted Jerow

If I can be of any further assistance, please call.

for Sigrid Blaine
Richard C. Blaine

RCB/tls

TMA
Thermo Analytical Inc.

TMA/ERG
1400 West 53rd Street
Suite 460
Emeryville, CA 94608-2946
(415) 652-2300

Chevron USA
2 Annabel Lane, Suite #200
San Ramon, CA 94583

October 31, 1986
Report #9584
Release #71

Attention: Fara Vazinpour

Site Location: Chevron Station #1853, West Grand and Telegraph, Oakland.

RE: Four (4) soil samples submitted on October 29, 1986 for rush-ASAP gasoline analysis.

Procedure: The samples are analyzed for gasoline by following the method described in Attachment 2, Analytical Procedures for Fuel Leak Investigations. The samples are concentrated on a Tekmar LSC-2 automatic sample concentrator prior to injection into a gas chromatograph fitted with a flame ionization detector. Quantitation is performed, as total hydrocarbon response, against known concentrations of gasoline. The limit of detection for this method of analysis is one part per million (mg/kg).

The results are displayed in the table below:

TMA/ERG #	CLIENT ID	CONCENTRATION (mg/kg)
9584-1	86302 F4 #1	15
9584-2	86302 F4 #2	44
9584-3	86302 F4 #3	1.4
9584-4	86302 F4 #4	ND(1)

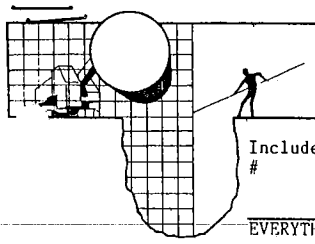
ND = None detected. The limit of detection is in ( ).

Submitted by:

Robert B. Flay
Manager, Organics Department

RBF: sml

cc: Rich Blaine
Blaine Tech Service
P.O. Box 5745
San Jose, CA 95150



BLAINE TECH SERVICES

P.O. BOX 5745
SAN JOSE, CA 95150
(408) 723-3974

Include ALL of the following designation in lab reports and invoices
86302 F4 Chevron W.G. mynde Telegraph Oakland CA

EVERYTHING written above this line is the project designation

Field sampling completed 2:15 p hrs. 10-29-86 performed by [signature]

RELEASED BY		ACCEPTED BY	
2:30p hrs. 10-29-86	[signature]	2:30p hrs. 10-29-86	[signature]
___:___ hrs. - -86		___:___ hrs. - -86	
___:___ hrs. - -86		___:___ hrs. - -86	
___:___ hrs. - -86		___:___ hrs. - -86	

I.D.	TYPE	ANALYSIS	LAB #	PRELIMS	FINAL
#1	Soil	TH(Gas)			
#2	↓	↓			
#3					
#4					

Composite 4 cans into 1 sample.

TURN AROUND By AM 10-30-86

REPORT TO: ~~BT~~ Chevron

Attn Farah
Phone 415 838 5224

BILLING INVOICE TO:

Attn
Verbal/Ref PO From:

cc BLAINE TECH SERVICES (always)
cc OTHER:

SPECIAL INSTRUCTIONS

( ) Phone results to BTS
( ) Phone results to client direct

RP15.

Chevron

September 12, 1994

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

Ms. Jennifer Eberle
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

FILE

Re: Chevron Service Station #9-3600
2200 Telegraph Avenue, Oakland, CA

Dear Ms. Eberle:

Enclosed is the Product-Line Removal Sampling Report dated August 9, 1994, prepared by our consultant Touchstone Developments for the above referenced site.

As indicated in the report, the gasoline product lines were removed and replaced. Soil samples collected beneath the former product piping were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Laboratory analytical results indicate that concentrations of these constituents were below method detection limits in five of the eight samples analyzed. Negligible concentrations of these constituents were observed in the other three samples. All analytical data is summarized in Tables A through C of the report.

Based on the data collected to date, it appears that hydrocarbon impacts to soils beneath the site are minimal and no further action is warranted.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr.Kevin Graves, RWQCB - Bay Area
Mr. S.A. Willer

File: 9-3600 TD LR1

Touchstone Developments
Environmental Management

PRODUCT-LINE REMOVAL AND SAMPLING REPORT

for

Chevron Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

Prepared for

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, California 94583

by

Touchstone Developments

August 9, 1994

P.O. Box 2554 • Santa Rosa, CA 95405 • Office: (707) 538-8818 • Fax: (707) 538-8812 • Mobile/Fax: (707) 484-5112

Touchstone Developments
Environmental Management

August 9, 1994

Chevron U.S.A. Products Company
2410 Camino Ramon
San Ramon, California 94583

Attention: Mark Miller

Reference: Product Line Removal and Sampling Report
Chevron Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

Gentlemen:

INTRODUCTION

This report summarizes the field activities performed at the above referenced location (Figure 1) during the recent removal of product lines associated with the service station operations. Excavation and product piping removal was performed by Town and Country Contractors of Sacramento, California. A Touchstone Developments representative was present to observe the removal and to obtain soil samples from under the lines and associated stockpiles. The soil sampling and analysis described in this report were performed July 25, 1994 to comply with the current State of California Regional Water Quality Control Board guidelines.

SITE DESCRIPTION

The site is currently operated as a Chevron service station on the southwest corner of West Grand Avenue and Telegraph Avenue. The station sells unleaded gasoline products. The site is surrounded by commercial businesses.

FIELD ACTIVITIES

Gasoline product lines were removed from the three Underground Storage Tanks (USTs) to the dispenser islands in order to upgrade and replace them. Soil samples were collected on July 25, 1994 from these product line trenches. Brian Oliva of Alameda County Health Agency, Department of Environmental Health was on site to observe soil sampling activities. Also present were Mark Miller and Belinda Erdelt representing Chevron U.S.A. Products Company.

P.O. Box 2554 • Santa Rosa, CA 95405 • Office: (707) 538-8818 • Fax: (707) 538-8812 • Mobile/Fax: (707) 484-5112

Soil Sampling

Soil samples were collected from the backhoe bucket by removing the top few inches of soil then pushing a clean brass tube (2 inches by 6 inches) into the soil until full. The ends of the tubes were then covered with aluminum foil and sealed with plastic end caps. The sample was then labeled, placed in a cooler with ice, entered on a Chain-of-Custody form and transported to Superior Precision Analytical, a State-Certified Laboratory located in Martinez, California. Product piping samples were designated P-1 through P-8 and collected approximately 4 1/2 to 5 1/2 feet below grade as directed by Brian Oliva (Figure 2).

The stockpile samples were collected by removing the top 6 to 10 inches of soil, then pushing the tube into the soil until full. One sample was collected for approximately every 12 1/2 cubic yards of soil generated then four samples were then composited in the laboratory and analyzed as one to represent approximately every 50 cubic yards. An estimated 100 cubic yards were generated from the product line excavations. Stockpile samples were designated SP-1a-d and SP-2a-d (Figure 2). Stockpiles have been profiled for disposal at Redwood Landfill located in Novato, California. Transportation will be scheduled during August 1994.

ANALYTICAL RESULTS

All samples were analyzed for Total Petroleum Hydrocarbons (TPH) calculated as gasoline according to EPA Method 8015 modified, Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) according to EPA Method 8020. Total Lead according to EPA Method 6010 was requested for P-6 and Organic Lead for SP-1a-d for disposal requirements. Analytical results are summarized on Table A with the sample depths. Copies of the Certified Analytical Reports are attached in Appendix A.

If you have any questions please call me at (707) 538-8818.

Touchstone Developments by,

Jeff L. Monroe
Project Manager

JLM/jlm
Figure 1: Site Plan
Figure 2: Site Plan with Sample Locations
Table A: Analytical Summary
Appendix A: Certified Analytical Reports and COC

TABLES

TABLE A
ANALYTICAL SUMMARY
Results in mg/Kg - parts per million (ppm)

PRODUCT LINE SAMPLING RESULTS

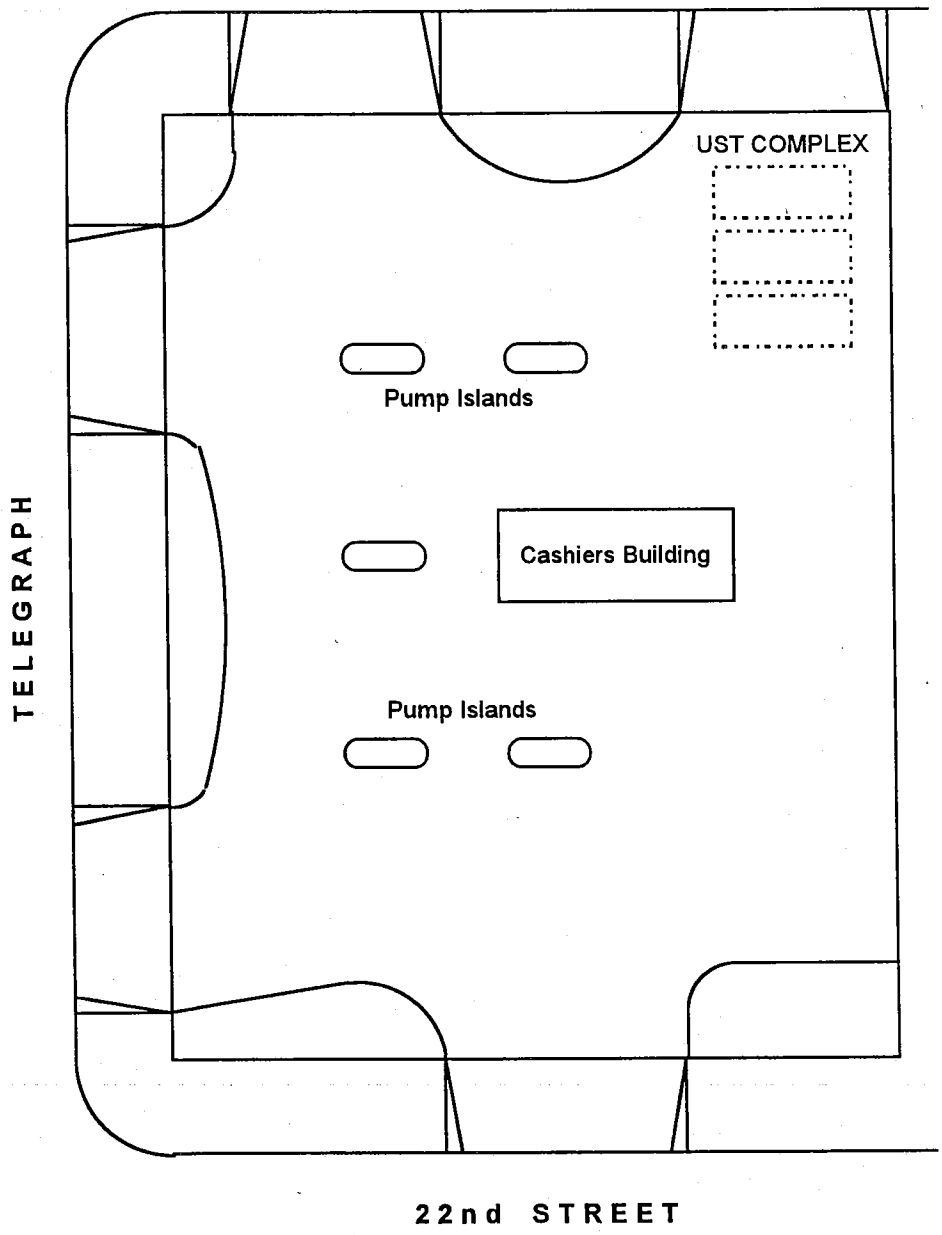
SAMPLE ID	DEPTH (ft.)	LAB	DATE	TPH - Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	TOTAL LEAD
P-1	4.5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-2	4.5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-3	5	Sequoia	25-Jul-94	ND	ND	0.012	0.008	0.045	NA
P-4	5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-5	5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA
P-6	5.5	Sequoia	25-Jul-94	3.6	ND	0.03	0.012	1.3	ND
P-7	5.5	Sequoia	25-Jul-94	ND	ND	0.005	ND	0.007	NA
P-8	5	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	NA

STOCKPILE SAMPLING RESULTS

SAMPLE ID	LAB	DATE	TPH - Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes	Organic Lead
SP-1 a-d	Sequoia	25-Jul-94	ND	ND	ND	ND	ND	ND
SP-2 a-d	Sequoia	25-Jul-94	3.2	ND	0.015	0.02	0.13	NA

TPH-Gasoline = Total Petroleum Hydrocarbons calculated as gasoline
TOG = Total Oil & Grease
ND = Not detected at or above the laboratory detection limits.
NA = Analysis not requested.

FIGURES



EXPLANATION

UST Underground Storage Tank

N

0 10 20 30
scale in feet

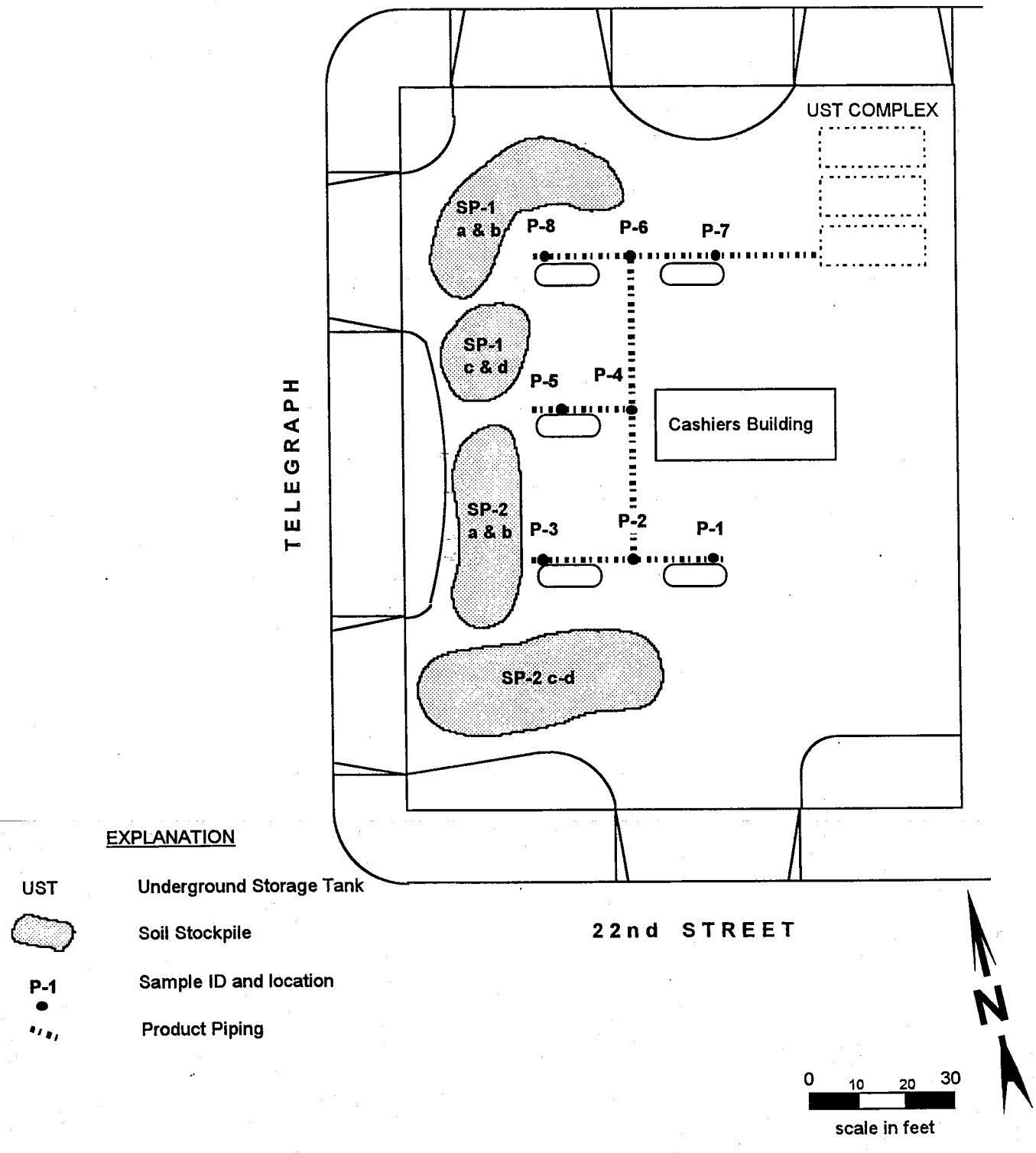
Touchstone Developments
Environmental Management

SITE PLAN

CHEVRON SERVICE STATION # 9-3600
2200 Telegraph Avenue
Oakland, California

FIGURE
1

PROJECT NO.	DATE	DRAWN BY:	BASE MAP:
9-3600	8/94	WTJ	Chevron Site Plan 8/90



Touchstone Developments
Environmental Management

SITE PLAN WITH SAMPLE LOCATIONS

CHEVRON SERVICE STATION # 9-3600
2200 Telegraph Avenue
Oakland, California

FIGURE
2

PROJECT NO.	DATE	DRAWN BY:	BASE MAP:
9-3600	8/94	WTJ	Chevron Site Plan 8/90

APPENDIX A

Chemical Analytical Reports and Chain-of-Custody Forms

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 08/09/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
30675- 1	SP-1A-D	07/25/94	08/01/94	Soil
30675- 2	SP-2A-D	07/25/94	08/01/94	Soil
30675- 3	P-1	07/25/94	08/01/94	Soil
30675- 4	P-2	07/25/94	08/01/94	Soil
30675- 5	P-3	07/25/94	08/01/94	Soil
30675- 6	P-4	07/25/94	08/01/94	Soil
30675- 7	P-5	07/25/94	08/01/94	Soil
30675- 8	P-6	07/25/94	08/01/94	Soil
30675- 9	P-7	07/25/94	08/01/94	Soil
30675-10	P-8	07/25/94	08/01/94	Soil

RESULTS OF ANALYSIS

Laboratory Number:	30675- 1	30675- 2	30675- 3	30675- 4	30675- 5
Gasoline:	ND<1	3.2	ND<1	ND<1	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	0.015	ND<.005	ND<.005	0.012
Ethyl Benzene:	ND<.005	0.02	ND<.005	ND<.005	0.008
Total Xylenes:	ND<.005	0.13	ND<.005	ND<.005	0.045
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number:	30675- 6	30675- 7	30675- 8	30675- 9	30675-10
Gasoline:	ND<1	ND<1	3.6	ND<1	ND<1
Benzene:	ND<.005	ND<.005	ND<.005	ND<.005	ND<.005
Toluene:	ND<.005	ND<.005	0.03	0.005	ND<.005
Ethyl Benzene:	ND<.005	ND<.005	0.012	ND<.005	ND<.005
Total Xylenes:	ND<.005	ND<.005	1.3	0.007	ND<.005
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 30675

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Soil: 1mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	102/130	24%	70-130
Benzene:	89/94	5%	70-130
Toluene:	103/113	9%	70-130
Ethyl Benzene:	99/106	7%	70-130
Total Xylenes:	112/120	7%	70-130

Senior Chemist

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 02-August-1994

ANALYSIS FOR TOTAL ORGANIC LEAD
by California LUFT Method

Chronology

Laboratory Number 30675

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
SP-1A-D	07/25/94	07/26/94	07/29/94	07/29/94		1

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 02-August-1994

ANALYSIS FOR TOTAL ORGANIC LEAD

Laboratory Number	Sample Identification	Matrix
30675- 1	SP-1A-D	Soil

RESULTS OF ANALYSIS

Laboratory Number: 30675- 1

ORGANIC LEAD:	ND<2
Concentration:	mg/Kg

Certified Laboratories
825 Arnold Dr., Suite 114 • Martinez, California 94553 • (510) 313-0850 / fax (510) 229-1526

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

ANALYSIS FOR TOTAL ORGANIC LEAD
Quality Assurance and Control Data - Soil

Laboratory Number 30675

Compound	Method Blank (mg/Kg)	RL (mg/Kg)	Spike Recovery (%)	Limits (%)	RPD (%)
ORGANIC LEAD:	ND<2	2	83/84	75-125	1%

Definitions:
ND = Not Detected
RPD = Relative Percent Difference
RL = Reporting Limit
mg/Kg = Parts per million (ppm)
QC File No. 30675

Senior Chemist
Account Manager

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No

30675

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-3600
Facility Address: 2200 Telegraph, Oakland
Consultant Project Number: 3600-11
Consultant Name: Touchstone Development
Address: PO Box 254 Santa Rosa CA
Project Contact (Name): Jeff Monroe
(Phone) 7075388818 (Fax Number) 5388812

Chevron Contact (Name): Belinda Gobelt
(Phone): 510 842 9521
Laboratory Name: Superior
Laboratory Release Number: 766968
Samples Collected by (Name): Jeff Monroe
Collection Date: 7-25-94
Signature: Jeff Monroe

	Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Organic Pb	Total Pb			Remarks
1	SP-1a-d		4	S	C	12:35		Yes	X								X				Comp. 4 into 1
2	SP-2a-d		4		C	12:40															5 Day TAT
3	P-1		1		D	1:00															
4	P-2		1			1:05															as contracted
5	P-3		1			1:10															
6	P-4					1:13															
7	P-5					1:16															
8	P-6					1:19												X			
9	P-7					1:25															
10	P-8					1:30															

Please initial:
Samples Stored in Ice: yes
Appropriate containers: yes
Samples preserved: n/a
VOA's without headspace: n/a
Comments: 16 SAMPLES RECEIVED

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Jeff Monroe	TD	7-26-94 10:58			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

COC-3.DWG/03 91/HCH

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 09-August-1994

ANALYSIS FOR TOTAL LEAD
by EPA Method SW-846 6010

Chronology

Laboratory Number 30675

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
P-6	07/25/94	07/26/94	07/29/94	08/02/94		8

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

TOUCHSTONE DEVELOPMENTS
Attn: JEFF MONROE

Project 3600-11
Reported 09-August-1994

ANALYSIS FOR TOTAL LEAD

Laboratory Number	Sample Identification	Matrix
30675- 8	P-6	Soil

RESULTS OF ANALYSIS

Laboratory Number: 30675- 8

TOTAL LEAD:	8.2
Concentration:	mg/Kg

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

ANALYSIS FOR TOTAL LEAD
Quality Assurance and Control Data - Extract

Laboratory Number 30675

Compound	Method Blank (mg/Kg)	RL (mg/Kg)	Spike Recovery (%)	Limits (%)	RPD (%)
TOTAL LEAD:	ND<5	5	100/94	75-125	6%

Definitions:
ND = Not Detected
RPD = Relative Percent Difference
RL = Reporting Limit
mg/Kg = Parts per million (ppm)
QC File No. 30675

Senior Chemist
Account Manager

Certified Laboratories
825 Arnold Dr., Suite 114 ▪ Martinez, California 94553 ▪ (510) 313-0850 / fax (510) 229-1526

GETTLER-RYAN INC.

TRANSMITTAL

TO: Mr. Tom Bauhs
Chevron Product Company
P.O. Box 6004
San Ramon, California 94583

DATE: November 21, 2000
PROJ. #: 346895.01
SUBJECT: Chevron #9-3600
2200 Telegraph Ave.
Oakland, California

FROM:
Tony P. Mikacich
Project Geologist
Gettler-Ryan Inc.
3164 Gold Camp Drive, Suite 240
Rancho Cordova, California 95670

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
2	November 21, 2000	Baseline Evaluation

THESE ARE TRANSMITTED as checked below:

[ ] For review and comment [ ] Approved as submitted [ ] Resubmit _ copies for approval

[ ] As requested [ ] Approved as noted [ ] Submit _ copies for distribution

[ ] For approval [ ] Return for corrections [ ] Return __ corrected prints

[X] For Your Files

COMMENTS:

Please call Gettler-Ryan at 916.631.1300 if you have questions.

cc: Mr. Greg Wanket, Chevron Products Company, 6001 Bollinger Canyon, San Ramon, CA 94583.

GETTLER-RYAN INC.

BASELINE EVALUATION

at

Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Report No. 346895.01

Prepared for:

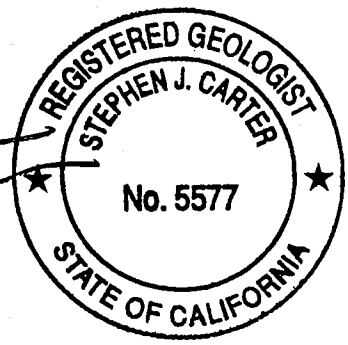
Mr. Tom Bauhs
Chevron Products Company
P.O. Box 5004
San Ramon, California 94583

Prepared by:

Gettler-Ryan Inc.
3164 Gold Camp Drive, Suite 240
Rancho Cordova, California 95670

Tony P. Mikacich
Project Geologist

Stephen J. Carter
Senior Geologist
R.G. 5577



November 21, 2000

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

BASELINE EVALUATION

at

Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Report No. 346895.01

INTRODUCTION

At the request of Chevron Products Company (Chevron), Gettler-Ryan Inc. (GR) performed a subsurface investigation of the soil and groundwater beneath the subject site. This report summarizes the procedures and results of the subsurface investigation to establish baseline conditions pending property transfer. The work was not performed at the request of a regulatory agency. The scope of work performed included: obtaining the necessary encroachment permit from Bay Area Rapid Transit (BART); obtaining the necessary soil boring permits from Alameda County Public Works Agency; advancing soil borings and collect soil and grab groundwater samples for chemical analysis; arranging for Chevron's contractor to dispose of the drill cuttings; and preparing this report.

SITE DESCRIPTION

The site is an active retail gasoline station located on the southeast corner of the intersection of Telegraph Avenue and West Grand Avenue in Oakland, California (Figure 1). The current facilities consist of a kiosk building, five dispenser islands, and three gasoline underground storage tanks (USTs) that share a common pit near the northeastern site boundary. Current site features are shown on Figure 2. A former Exxon service station, currently Valero gasoline station, is located west of the site on the southwest corner of Telegraph Avenue and West Grand Avenue. Additionally, a auto repair facility utilizes the property north of the subject site across West Grand Avenue, and it appears that the property may have been utilized for a retail gasoline station at one time.

PREVIOUS ENVIRONMENTAL WORK

In October 1986, Blaine Tech Services Inc. of San Jose, California collected and analyzed soil and groundwater samples from a re-excavated backfilled tank pit from which a tank had been previously removed. This former tank was located in the same area that the current USTs are located. Total petroleum hydrocarbons quantified as gasoline (TPHg) were detected at concentrations as high as 44 parts per million (ppm) in soil sample #2 from a depth between 2 and 3 feet below grade surface (bgs). TPHg was detected at a concentration of 4.5 ppm from an additional soil sample also identified as #2 collected from a depth of approximately 13 feet bgs in the former tank pit area. On October 24, 1986 one water sample was collected from the re-excavated backfilled tank pit location. TPHg and benzene were detected in groundwater sample #1 at concentrations of 480,000 parts per billion (ppb) and 10,000 ppb, respectively. Samples collected were

not analyzed for fuel oxygenate compounds by the laboratory. During the station reconstruction around 1986-87 sixteen vapor wells equipped with vapor sensors were installed because Bay Area Regional Transit (BART) tracks run beneath the site in an underground tunnel.

On October 13, 1992, Groundwater Technology, Inc. collected and analyzed one groundwater sample from vadose well (VW-2-1). TPHg and benzene were detected at concentrations of 42,000 parts per billion (ppb) and 3,300 ppb, respectively. Depth to groundwater was 4.43 feet below grade surface (bgs) during the October 13, 1992 sampling event. Groundwater samples collected were not analyzed for fuel oxygenate compounds.

On July 25, 1994 gasoline product lines were removed from the three USTs to the dispenser islands in order to upgrade the equipment. Touchstone Developments of Santa Rosa, California was onsite to observe the removal of product piping and collect soil samples from product line trenches from depths between 4.5 and 5.5 feet bgs during upgrade procedures. TPHg and xylenes were detected at concentrations as high as 3.6 ppm and 1.3 ppm, respectively, in soil sample P-6 from a depth of 5.5 feet bgs. Samples collected were not analyzed for fuel oxygenate compounds.

Based on the available analytical soil data relatively low concentrations of hydrocarbons were detected in soil samples collected from beneath the former product piping at depths up to 5.5 feet bgs. Additionally, soil samples collected from the former UST re-excavation area indicate a decrease in TPHg concentrations with depth. The area of highest hydrocarbon impact detected onsite is in the area of the former USTs. The vertical delineation of hydrocarbon-impacted soil has not been determined onsite. Lateral extent of hydrocarbon-impacted groundwater was not delineated onsite.

FIELD ACTIVITIES

Field work was performed in accordance with the GR Site Safety Plan #346895.01, dated November 5, 2000. GR Field Methods and Procedures are included in Appendix A. Underground Service Alert (USA) was notified prior to soil boring activities.

Soil Borings

Eight soil borings were advanced on November 8, 2000, to depths between 4 feet bgs and 16 feet bgs. The borings were drilled under Alameda County Public Works Agency (PWA) permit #WOO-671 (Appendix B). Borings advanced within the BART right-of-way (B-2 through B-6) were performed under BART encroachment permit No. K-014-2-OK. A copy of the BART Encroachment Permit and letter are presented in Appendix B. The soil borings were advanced by Bay Area Exploration Inc. personnel using a 3-inch diameter hand auger. Due to encroachment permit restrictions, none of the borings drilled in the BART right-of-way (borings B-2 through B-6) could be advanced deeper than 10 feet bgs. At BART's request, borings outside of their right-of-way were advanced to depths below 10 feet bgs by hand auger only.

A GR geologist observed the boring activities, described the encountered soil, collected soil samples for possible chemical analysis, and prepared a log of each boring. Soil samples were screened in the field for the presence of volatile organic compounds using a photoionization detector (PID). Screening data were recorded on the boring logs. The borings were abandoned by backfilling with neat cement containing approximately 5% bentonite powder and placed with a tremmie pipe. Boring logs are included in Appendix

B. Location of the soil borings are shown on Figure 2. Soil cuttings generated during drilling activities were placed on and covered with plastic sheeting at the site pending disposal. Approximately 1/2 cubic yard of cuttings were generated. Four soil samples (SP-1 through SP-4) were collected for disposal characterization.

Soil and Grab Groundwater Sampling

Soil samples were collected for chemical analysis from each boring, excluding boring B-8 where auger refusal was encountered at 4 feet bgs. Soil samples were collected directly from auger returns for all samples from less than 5 feet bgs. Soil samples were collected by pushing a clean 2-inch diameter by 6-inch long brass sleeve into the soil-filled auger. Soil samples collected from depths greater than 5 feet bgs were collected utilizing hand-driven sampling device fitted with a clean brass sleeve. The sampler was advanced into undisturbed native soil at the base of the boring to obtain the sample. Sample handling procedures are discussed in Appendix A.

Grab groundwater samples were collected by advancing the auger into saturated soil. The auger was then removed from the boring to allow groundwater to flow into the borehole. New disposable bailers were utilized to collect grab groundwater samples. Samples were then put into laboratory-supplied 40-ml VOAs that had been prepared with the appropriate preservative by the laboratory. Grab groundwater samples were collected from borings B-1 and B-7. Grab groundwater samples were not collected from borings B-2 through B-6 due to the BART encroachment permit restrictions specifying a maximum depth of the borings within the right-of-way.

RESULTS OF THE SUBSURFACE INVESTIGATION

Soil encountered during this investigation consisted predominately of silty sand, sandy clay, and poorly graded sand. During drilling, groundwater was encountered in borings B-1 and B-7 at depths of approximate 12 feet below grade surface (bgs) and 16 feet bgs, respectively. Detailed descriptions of the subsurface materials encountered during boring advancement are presented on the boring logs (Appendix C).

CHEMICAL ANALYTICAL RESULTS

Thirteen soil samples, two grab groundwater samples, and one composite soil sample from the cuttings stockpile were submitted for chemical analysis. Analyses were performed by Kiff Analytical (ELAP #2236) of Davis, California. Copies of the laboratory reports and chain-of-custody forms are included in Appendix C. Soil chemical analytical data are summarized in Table 1. Groundwater monitoring and chemical analytical data are summarized in Table 2.

Chemical Analytical Procedures

Soil and groundwater samples were analyzed for TPHg, benzene, toluene, ethylbenzene and xylenes (BTEX), and methyl tert-butyl ether (MtBE) by EPA Method 8260. The soil samples were also analyzed for Total Lead by EPA Method 6010. The groundwater samples were also analyzed for methanol, ethanol, 1,2-Dichloroethane (1,2-DCA), 1,2-Dibromoethane (EDB), tert-butanol alcohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and tert-amyl methyl ether (TAME) by EPA Method 8260. The stockpile soil sample was analyzed for TPHg, BTEX, MtBE and Total Lead.

Soil Chemical Analytical Results

TPHg or fuel oxygenates were not detected above the laboratory reporting limits in any of the soil samples analyzed. Xylenes were detected at a concentration of 0.0077 ppm in the composite stockpile sample SP-1, 2, 3, 4. Total lead was detected in soil samples at a concentrations ranging from 3.2 ppm to 32 ppm.

Groundwater Chemical Analytical Results

TPHg, BTEX, or fuel oxygenate compounds were not detected above the laboratory reporting limit in the grab groundwater sample from boring B-7. The grab groundwater sample from boring B-1 contained 29,000 parts per billion (ppb) of TPHg, 180 ppb of benzene, 730 ppb of MtBE and 380 ppb of TBA.

Waste Disposal

All soil generated during drilling activities were stored on and covered with plastic sheeting at the site pending analytical characterization before disposal to an appropriately facility. GR is in the process of scheduling removal of the stockpile soil.

CONCLUSIONS

Based upon the data collected during this investigation, hydrocarbon-impacted soil was not encountered in any of the soil borings. Hydrocarbon-impacted soil identified during previous environmental investigations does not appear to be laterally extensive. Groundwater south of the existing UST pit has been impacted by TPHg, benzene, MtBE and TBA. The lateral extent of this impact was not delineated during this investigation.

TABLES

TABLE 1 - SOIL CHEMICAL ANALYTICAL DATA
Chevron Service Station, #9-3600
2200 Telegraph Avenue
Oakland, California

Boring Number	Sample Date	Sample Depth (feet bgs)	TPHg (ppm)	Pb (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)	TBA (ppm)	DIPE (ppm)	EtBE (ppm)	TAME (ppm)	EDB (ppm)	1,2-DCA (ppm)
B-1															
B-1-6'	11/08/00	6.0	<1.0	32	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-1-10'	11/08/00	10.0	<1.0	10	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-2															
B-2-6'	11/08/00	6.0	<1.0	9.6	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-2-10'	11/08/00	10.0	<1.0	6.2	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-3															
B-3-5'	11/08/00	5.0	<1.0	27	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-4															
B-4-5'	11/08/00	5.0	<1.0	26	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-4-10'	11/08/00	10.0	<1.0	27	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-5															
B-5-5'	11/08/00	5.0	<1.0	17.0	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-5-10'	11/08/00	10.0	<1.0	8.9	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-6															
B-6-5'	11/08/00	5.0	<1.0	27	<0.005	<0.005	<0.005	<0.00500	<0.005	----	----	----	----	----	----
B-6-10'	11/08/00	10.0	<1.0	3.6	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-7															
B-7-5'	11/08/00	5.0	<1.0	6.5	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
B-7-10'	11/08/00	10.0	<1.0	6.8	<0.005	<0.005	<0.005	<0.005	<0.005	----	----	----	----	----	----
Stockpile Samples															
SP(1-4)[1]	11/08/00	----	<1.0	11.0	<0.005	<0.005	<0.005	0.0077	<0.005	----	----	----	----	----	----

Boring Number	Sample Date	Sample Depth (feet bgs)	TPHg (ppm)	Pb (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MtBE (ppm)	TBA (ppm)	DIPE (ppm)	EtBE (ppm)	TAME (ppm)	EDB (ppm)	1,2-DCA (ppm)

Explanation:
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
BTEX = benzene, toluene, ethyl-benzene, total xylenes
MtBE = methyl tertiary-butyl ether
TBA = tertiary-butyl alcohol
DIPE = di-isopropyl ether
EtBE = ethyl tertiary-butyl ether
TAME = tertiary-amyl methyl ether
EDB = ethylene dibromide
DCA = dichloroethane
feet bgs = feet below ground surface
(ppm) = parts per million
---- = not applicable
Pb = total lead

Kiff Analytical (#2236)

Analytical Methods
TPHg/TPHd/BTEX: DHS LUFT
Oxygenates: EPA Method 8260A
Total Lead by EPA Method 6010

TABLE 2 - GROUNDWATER CHEMICAL ANALYTICAL DATA
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

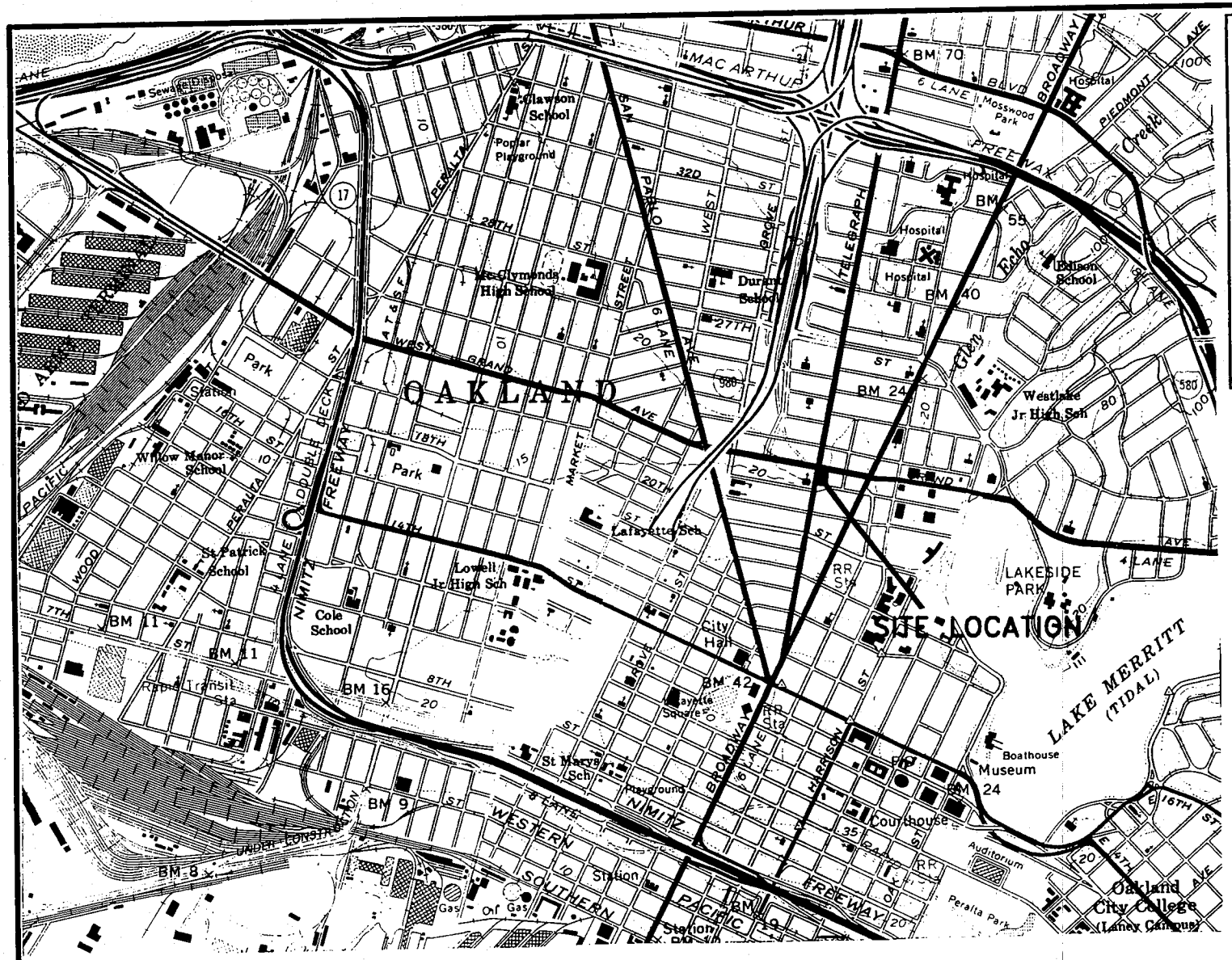
Boring Number	Sample Date	Depth to Water (ft.)	TPHg (ppb)	Ethanol (ppb)	ethano (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MtBE* (ppb)	TBA (ppb)	DIPE (ppb)	EtBE (ppb)	TAME (ppb)	EDB/ 1,2-DCA (ppb)
B-1															
B-1-11/08/00(W)	11/08/00	12.50	29,000	<200	<2,000	180	<20	2,200	1,100	730	380	<20	<20	<20	<20/<20
B-7															
B-7-11/08/00(W)	11/08/00	15.00	<50	<5.0	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.5/<0.5

Explanation:
TOC = top of casing
TPHg = total petroleum hydrocarbons as gasoline (includes MtBE)
TPHd = total petroleum hydrocarbons as diesel
BTEX = benzene, toluene, ethylbenzene, total xylenes
MtBE = methyl tertiary-butyl ether
TBA = tertiary-butyl alcohol
DIPE = di-isopropyl ether
EtBE = ethyl tertiary-butyl ether
TAME = tertiary-amyl methyl ether
DCA = dichloroethane
(ppb) = parts per billion
NA = not applicable
ft = feet
ND = analytes not detected above laboratory reporting limits

Analytical Laboratory
Sequoia Analytical (ELAP #1271)

Analytical Methods
TPHg/TPHd/BTEX: DHS LUFT
Oxygenates: EPA Method 8260A
* = EPA Method 8020/EPA Method 8260

FIGURES



Source: USGS Topographic Map, Oakland West, 7.5

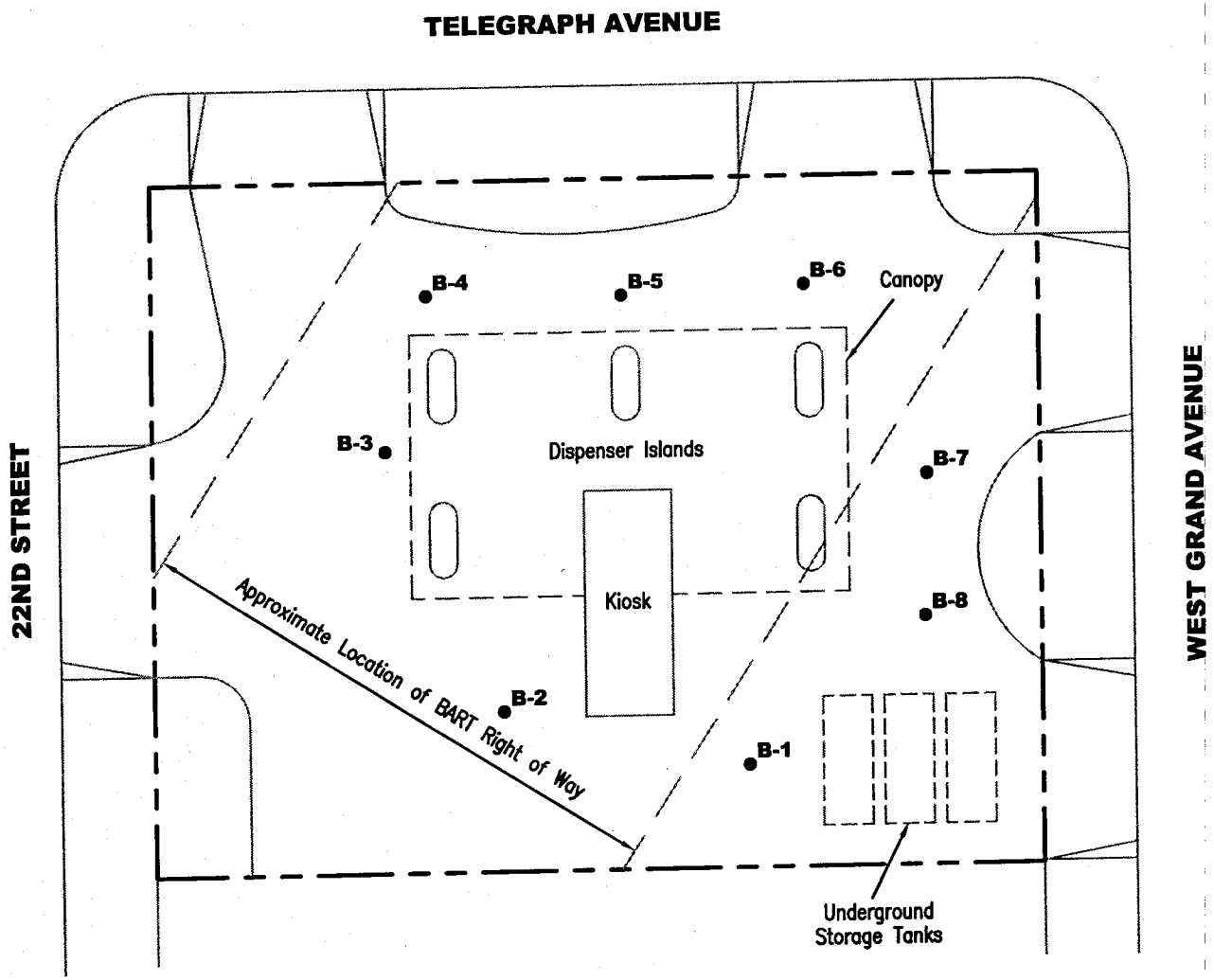
FIGURE 1

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

VICINITY MAP
Chevron Service Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

JOB NUMBER 346895
REVIEWED BY
DATE 11/00
REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-3600\VIC-9-3600.DWG | Layout Tab: CA



EXPLANATION

● Soil boring

N

0 30

Scale in Feet

Source: Figure modified from drawing provided by Touchstone Developments Environmental Management.

FIGURE 2

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

SITE PLAN
Chevron Service Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

PROJECT NUMBER 346895

REVIEWED BY

DATE 11/00

REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-3600\A00-9-3600.DWG | Layout Tab: Boring Rpt 11-00

APPENDIX A

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Fieldwork performed by Gettler-Ryan Inc. (G-R) is conducted in accordance with G-R's Health and Safety Plan (revised January 16, 1995) and the Site Safety Plan. G-R personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The G-R geologist or engineer at the site when the work is performed acts as the Site Safety Officer. G-R utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Soil borings are drilled by a California-licensed well driller. A G-R geologist is present to observe the drilling, collect soil samples for description, physical testing, and chemical analysis, and prepare a log of the exploratory soil boring. Soil samples are collected from the soil boring with a split-barrel sampling device fitted with 2-inch-diameter, clean brass tube or stainless steel liners. The sampling device is driven approximately 18 inches with a 140-pound hammer falling 30 inches. The number of blows required to advance the sampler each successive 6 inches is recorded on the boring log. The encountered soils are described using the Unified Soil Classification System (ASTM 2488-84) and the Munsell Soil Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with Teflon sheeting or aluminum foil, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Samples are selected for chemical analysis based on:

a. depth relative to underground storage tanks and existing ground surface
b. depth relative to known or suspected groundwater
c. presence or absence of contaminant migration pathways
d. presence or absence of discoloration or staining
e. presence or absence of obvious gasoline hydrocarbon odors
f. presence or absence of organic vapors detected by headspace analysis

Field Screening of Soil Samples

A PID is used to perform headspace analysis in the field for the presence of organic vapors from the soil sample. A small volume of sample (20-30 cm^3) is placed in a Ziplock®-type plastic bag with headspace. After allowing the sample to warm for approximately 10 minutes, the PID sample tube is inserted into the headspace above the sample and a measurement taken. PID screening results are recorded on the boring log as reconnaissance data. G-R does not consider field-screening techniques to be verification of the presence or absence of hydrocarbons.

Construction of Monitoring Wells

Monitoring wells are constructed in the exploratory soil borings with Schedule 40 polyvinyl chloride (PVC) casing. All joints are thread-joined; no glues, cements, or solvents are used in well construction. The screened interval is constructed of machine-slotted PVC well screen that generally extends from the total well depth to a point above the groundwater. An appropriately sized sorted sand is placed in the annular adjacent to the entire screened interval. A bentonite seal is placed in the annular space above the sand, and the remaining annular space is sealed with neat cement or cement grout.

Wellheads are protected with water-resistant traffic-rated vault boxes placed flush with the ground surface. The top of the well casing is sealed with a locking waterproof cap. A lock is placed on the well cap to prevent vandalism and unintentional introduction of materials into the well.

Measurement of Water Levels

The top of the newly installed well casing is surveyed by a California-licensed Land Surveyor to mean sea level (MSL). Depth-to-groundwater in the well is measured from the top of the well casing with an electronic water-level indicator. Depth-to-groundwater is measured to the nearest 0.01-foot, and referenced to MSL.

Well Development and Sampling

The purpose of well development is to improve hydraulic communication between the well and the surrounding aquifer. Prior to development, each well is monitored for the presence of floating product and the depth-to-water is recorded. Wells are then developed by alternately surging the well with a vented surge block, then purging the well with a pump or bailer to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized. After the wells have been developed, groundwater samples are collected. Well development and sampling is performed by Gettler-Ryan Inc. of Dublin, California.

Storing and Sampling of Drill Cuttings

Drill cuttings are stockpiled on plastic sheeting and samples are collected and analyzed on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and them driving the stainless steel or brass sample tube into the stockpiled material with a hand, mallet, or drive sampler. The sample tubes are then covered on both ends with Teflon sheeting or aluminum foil, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

APPENDIX B

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6654
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2200 TELEGRAPH AVE., OAKLAND, CA.

CLIENT
Name CHEVRON Products Company
Address P.O. Box 5004 Phone
City SAN RAMON Zip 94583

APPLICANT
Name Tony Mikacich
Address 3164 Gold Canyon Dr. Phone 916 631-1300
City Rancho Cordova Zip 95670

FOR OFFICE USE
PERMIT NUMBER W00-071
WELL NUMBER
APN

TYPE OF PROJECT
Well Construction
Cathodic Protection ☐
Water Supply ☐
Monitoring ☐
Geotechnical Investigation
General ☐
Contamination ☐
Well Destruction ☐

PROPOSED WATER SUPPLY WELL USE
New Domestic ☐ Replacement Domestic ☐
Municipal ☐ Irrigation ☐
Industrial ☐ Other ☐

DRILLING METHOD:
Mud Rotary ☐ Air Rotary ☐ Auger ☑
Cable ☐ Other ☐

DRILLER'S NAME Bay Area Exploration Inc. (BAE)

DRILLER'S LICENSE NO 527125
exp. 2-28-01

WELL PROJECTS
Drill Hole Diameter ___ in. Maximum
Casing Diameter ___ in. Depth ___ ft.
Surface Seal Depth ___ ft. Owner's Well Number ___

GEOTECHNICAL PROJECTS
Number of Borings 10 Maximum
Hole Diameter 8 in. Depth 12 ft.

ESTIMATED STARTING DATE 10/25/00
ESTIMATED COMPLETION DATE 10/25/00

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA at least five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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 PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

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

F. WELL DESTRUCTION
See attached requirements for destruction of exploratory wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 10-5-00

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

APPLICANT'S SIGNATURE Tony Mikacich DATE 10/19/00

PLEASE PRINT NAME Tony Mikacich

Rev.6-1-00

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT
800 Madison Street - Lake Merritt Station
P.O. Box 12688
Oakland, CA 94604-2688
Telephone (510) 464-6000

GETTLER – RYAN INC.
3164 Gold Camp Drive, Suite 240
Rancho Cordova, CA 95670

PERMIT NO.K-014-2-OK

PERMIT TO ENTER

Subject to the following covenants, terms, conditions and restrictions, the San Francisco Bay Area Rapid Transit District (hereinafter "District") hereby grants permission to Gettler-Ryan, Inc. (hereinafter "Permittee") to perform 10 soil borings, (hereinafter the "Work") partly within District right of way located between Telegraph Avenue and West Grand Avenue and in the City of Oakland, County of Alameda, (hereinafter "Premises"), as and described shown on Exhibit "A" (Sheets 1 and 2 of 2), attached hereto and incorporated herein by reference.

1. Subject to Section 15 below, the term of this Permit shall commence on November 6, 2000, and end on November 10, 2000, provided, however, that at any time during the term, the Permit may be terminated by either party upon thirty (30) days prior written notice to the other party. The notice shall be sent certified mail, return receipt requested, to either: Permittee at the above address, Attention: Tony Mikacich, Project Manager; or to:

Real Estate Services
San Francisco Bay Area Rapid Transit District
1330 Broadway, Suite 1800
Oakland, California 94612-2517

Attention: Desha R. Hill, Department Manager

The notice period shall begin to run upon receipt of the notice.

2. The fee for this permit shall be calculated per the Fee Schedule in Resolution No. 4515, adopted by the District's Board of Directors. A permit application fee of $200.00 has been provided prior to approval of this Permit. Fees which are expended on plan review and inspection will be billed to Permittee upon completion of the Work.

3. Permittee's right to use this area shall be non-exclusive and non-transferable, and shall be for the sole purpose of the Work. In no event shall District's property be deemed to be a public right-of-way. Overnight parking is prohibited on District's property.

4. In order to protect BART's waterproofing membrane, Permittee shall not advance more than 10 feet deep at any location. The auger/boring machine shall be marked in such a way that the 10 foot depth is not exceeded. Permittee shall proceed with extreme caution from the 7-foot to 10-foot depth. Should any resistance occur, Permittee shall stop drilling immediately and notify the BART inspector. Work shall not proceed without the inspector's approval. If waterproofing membrane is damaged, it shall be repaired to BART's specifications at Permittee's sole expense. A BART inspector shall be present during the first boring within the BART right of way.

5. Permittee shall provide BART with a copy of the soil/water report when completed. Permittee shall contact Mr. Hamed Tafaghodi at (510) 464-6434 regarding the report.

6. Permittee shall have the duty and agrees to exercise reasonable care to properly maintain District's property pursuant to this Permit, including, but not limited to, removing debris dumped or placed on the Premises during the term of this Permit, from any source, and to exercise reasonable care inspecting for and preventing any damage to any portion of District's property.

7. Permittee acknowledges that said Work constitutes an encroachment upon District's property and agrees to perform said Work in accordance with and subject to the provisions of this Permit, applicable provisions of the "General Terms and Conditions Relating to Utility Permits," attached hereto and incorporated herein by reference, and applicable state laws and local ordinances. Where there is a conflict between the provisions of this Permit and the "General Terms and Conditions Relating to Utility Permits," this Permit shall prevail.

8. Permittee agrees to notify District's Construction Liaison, Edwin Kung at (510) 464-6445, at least 14 calendar days prior to any use of the Premises. Should Permittee require any utility hook-ups, Permittee will obtain all necessary permits and

pay all fees in connection therewith. Permittee shall not perform any work on District property until all necessary permits, licenses and environmental clearances have been obtained.

9. Permittee shall not use, create, store, or allow any hazardous materials and/or waste on the Premises. Hazardous materials are those substances listed in the Hazardous Substances List, Title 8, California Code of Regulations, G.I.S.O. Section 337-339, as may be amended from time to time, or those which meet the toxicity, reactivity, corrosivity or flammability criteria of the above Code, as well as any other substance which poses a hazard to health or environment.

10. District shall at all times have the right to go upon and inspect the Premises and the operations conducted thereon to assure compliance with any of the requirements in this Permit. This inspection may include, but is not limited to, taking samples of substances and materials present for testing.

11. It is the intent of the parties hereto that the Permittee shall be responsible for and bear the entire cost of removal and disposal for hazardous materials or waste introduced to the Premises during Permittee's period of use and possession of the Premises. Permittee shall also be responsible for any cleanup and decontamination on or off the Premises necessitated by such materials or waste.

12. Permittee shall further hold District, its directors, officers, employees, agents or representatives harmless from all responsibility, liability and/or claim for damages resulting from the presence or use of hazardous waste or materials on the Premises during the Permittee's use or possession of the Premises.

13. Permittee agrees to assume responsibility and liability for all damages, loss or injury of any kind or nature whatever to persons or property, caused by or resulting from or in connection with this Permit, or which may arise out of failure of Permittee's performance of its obligations hereunder.

14. Permittee shall defend, indemnify and hold harmless District, its directors, officers, agents and employees, from all claims, demands, suits, loss, damages, injury and liability, direct or indirect (including any and all costs and expenses in connection therewith), incurred by reason of or in connection with this Permit, or any act, or failure to act, of Permittee, its officers, agents, employees and contractors or any of them, under or in connection with this Permit. Permittee agrees at its own cost, expense and risk to defend any and all claims, actions, suits, or other legal proceedings brought or instituted against District, its directors, officers, agents and employees arising out of this Permit, and to pay and satisfy any resulting judgments.

15. Permittee agrees that no easement, lease or other property right is acquired by Permittee through this Permit.

16. Upon any use of District property by Permittee other than that authorized by this Permit, or upon failure of the Permittee to conform to any of the terms and conditions of this Permit, the District may terminate this Permit immediately.

17. Within 30 days of the expiration or earlier termination of a Permit, Permittee shall, at its sole expense, restore to its former condition all District property which has been disturbed by the Permittee, except as provided otherwise in the Permit. Restoration shall include, but not be limited to, removal of improvements, equipment, materials, debris, and the like, and repair of any damage. If Permittee fails to restore District property as required herein, the District may perform such restoration at Permittee's sole expense.

18. Permittee agrees to reimburse the District promptly for any damage done to District property in connection with the Work, or with the restoration of the property.

19. Insurance has been approved as stated in Exhibit B attached hereto and incorporated herein by reference.

SAN FRANCISCO BAY AREA
RAPID TRANSIT DISTRICT

By D Hill for Desha R. Hill Date 11/7/00

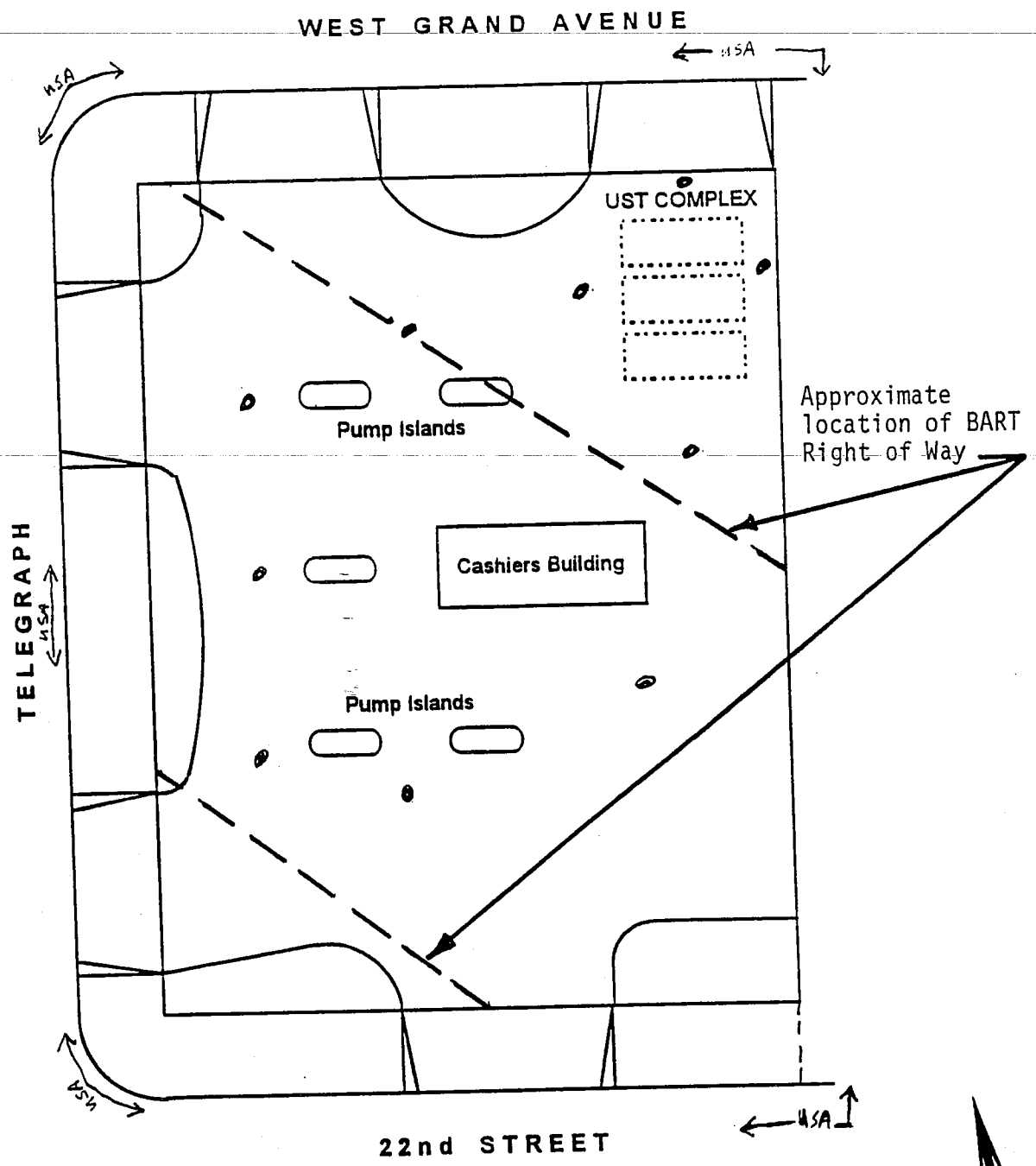
Desha R. Hill
Department Manager, Real Estate Services

ACCEPTED
GETTLER – RYAN INC.

By Tony Mikucki (Gettler-Ryan Inc.) Date 11/08/00

Title Project Geologist

\\IBB-01\DATA\GROUP\REAL_EST\GARY\PERMITS\K-014-2-OK.PTE.doc



Touchstone Developments
Environmental Management

SITE PLAN

CHEVRON SERVICE STATION # 9-3600
2200 Telegraph Avenue
Oakland, California

FIGURE
1

PROJECT NO.	DATE	DRAWN BY:	BASE MAP:
9-3600	8/94	WTJ	Chevron Site Plan 8/90

EXHIBIT "A" (2 of 2)

GETTLER-RYAN INC.

November 1, 2000

Mr. Gary Anderson
Bay Area Rapid Transit District
via fax 510.464.7583

Subject: **Subsurface Investigation at Chevron Station #9-3600, 2200 Telegraph Avenue, Oakland, California**

Mr. Anderson:

This letter is to provide you with the information requested in our telephone conversation of October 31, 2000.

1. The proposed subsurface investigation will be conducted using hollow-stem augers. Soil samples will be collected using a split-spoon sampler. As we discussed, neither the augers or the sampling device will not be advanced deeper than 10 feet below surface grade (bsg). This permit condition should not affect our proposed scope of work. We expect to encounter water at approximately 5 to 8 feet bsg. We plan to drill to a maximum of 10 feet bsg to collect a grab water sample, then properly abandon the boring.

2. On completion of the drilling and sampling activities, each soil boring will be backfilled to surface grade with neat cement containing approximately 5% bentonite powder. Because we expect to encounter groundwater in each of the borings, the neat cement will be placed with a tremie pipe and pump. If the neat cement shrinks while setting, the borings will be topped off with additional neat cement so that when competed it is flush with grade.

This should answer the questions you had during our conversation. Please call me at 916.631.1300 if I may be of further assistance. Please note that we plan to perform this subsurface investigation on Wednesday, November 8, 2000.

Sincerely,
Gettler-Ryan Inc.

Stephen J. Carter, R.G.
Senior Geologist

Gettler-Ryan, Inc.

Log of Boring B-1

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *15 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SC	CLAYEY SAND (SC) - brown to dark brown (7.5YR 3/3), moist; 50% fine to medium sand, 30% clay, 20% gravel (<1 inch diameter).	Boring backfilled with neat cement from the bottom to ground surface.
3	1.1						
6	2.1				CL	Color changes to dark brown (7.5YR 3/3), becomes 70% fine to medium sand, 30% clay, trace of gravel (<1 inch diameter).	
	2.8					CLAY (CL) - black (N2 5Y), moist; 90% clay, 10% fine sand, trace of silt, faint organic odor.	
9	340					SILTY CLAY (CL) - brown (7.5YR 3/3) mottled with gray to green; moist; 80% clay, 20% silt, abundant iron oxide staining, trace of fine sand.	
	639						
12	850					CLAY (CL) - brown to green (2.5Y 5/3), wet; 60% clay, 20% silt, 20% fine sand, trace of silt, strong hydrocarbon odor.	Grab groundwater sample B-1-11/08/00 (W) collected at 12.5 feet.
15						Bottom of boring at 15 feet bgs.	
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-2

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT – 6 inches thick.	
					SM	SILTY SAND (SM) – olive brown (2.5Y 4/4), moist; 70% fine to medium sand, 30% silt, hydrocarbon odor.	
3	1.6				SC	CLAYEY SAND (SC) – olive brown (2.5Y 4/4), moist; 70% fine to medium sand, 30% clay.	Boring backfilled with neat cement from the bottom to ground surface.
6	1.1				SM	SILTY SAND (SM) – brown (7.5YR 4/3), moist; 80% fine to medium sand, 20% silt.	
9	23.6				SP	POORLY GRADED SAND (SP) – brown (7.5YR 4/3), moist; 100% fine to medium sand, trace of coarse sand, trace of shell fragments, no hydrocarbon odor.	
						Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-3

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *5.5 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SM	SILTY SAND (SM) - brown (7.5YR 4/3), moist; 80% fine to medium sand, 20% silt.	Boring backfilled with neat cement from the bottom to ground surface.
3					SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), moist; 100% fine to medium sand, no hydrocarbon odor.	
	0.4						
6						Bottom of boring at 5.5 feet bgs.	
9							
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-4

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO. : *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT – 8 inches thick.	
					SM	SILTY SAND (SM) – brown (7.5YR 4/3), moist; 70% fine to medium sand, 30% silt.	Boring backfilled with neat cement from the bottom to ground surface.
3					SP	POORLY GRADED SAND (SP) – brown (7.5YR 4/3), moist; 100% fine to medium sand, trace of coarse sand, trace of clay, trace of shell fragments.	
	0.8						
6							
	0.4					Becomes 100% fine to medium sand, 20% gravel.	
					SM/SC	SILTY AND CLAYEY SAND (SM/SC) – dark brown (7.5YR 3/3), moist; 60% fine to medium sand, 20% silt, 20% clay.	
9	0					Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-5

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SC	CLAYEY SAND WITH SILT (SC) - olive brown (2.5Y 4/4), moist; 60% fine to medium sand, 30% clay, 10% silt.	Boring backfilled with neat cement from the bottom to ground surface
3	1.5						
	1.3				SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), moist; 90% fine to medium sand, 10% silt, trace of shell fragments.	
6	1.0				CL	SANDY CLAY (CL) - dark brown (7.5YR 3/3) mottled with brown, moist; 80% clay, 20% sand, no hydrocarbon odor.	
	0.9				SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), moist; 100% fine to medium sand, trace of shell fragments.	
9	0.8					Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-6

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegrapn Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *10 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT.*	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), moist; 100% fine sand, trace of shell fragments.	Boring backfilled with neat cement from the bottom to ground surface.
3	0.3						
6							
9						Bottom of boring at 10 feet bgs.	
12							
15							
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-7

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *18 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT – 6 inches thick.	
					CL	SILTY CLAY (CL) – black (N2.5), moist; 80% clay, 20% silt, trace of fine sand.	Boring backfilled with neat cement from the bottom to ground surface.
3							
	339						
6						Color changes to dark brown (2.5Y 4/3), becomes 70% clay, 20% silt, 10% fine sand, trace of iron oxide staining, trace of black organic matter.	
9							
	5.6						
12							
15							Grab groundwater sample B-7-W-11/08/00 (W) collected at 16 feet.
						Bottom of boring at 18 feet bgs.	
18							
21							

JOB NUMBER: *346895.01*

Gettler-Ryan, Inc.

Log of Boring B-8

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, CA.*
GR PROJECT NO.: *346895.01*	SURFACE ELEVATION:
DATE STARTED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *11/08/00*	WL (ft. bgs): DATE: TIME:
DRILLING METHOD: *3 1/2 in. Hand Auger*	TOTAL DEPTH: *4 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
						ASPHALT - 6 inches thick.	
					SM	SILTY SAND (SM) - brown (7.5YR 4/3), moist; 70% sand, 30% silt.	Boring backfilled with neat cement from the bottom to ground surface
3						Bottom of boring at 4 feet bgs.	
6							
9							
12							
15							
18							
21							

JOB NUMBER: *346895.01*

APPENDIX C

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Tom Bauhs
Gettler-Ryan Inc.
3164 Gold Camp Dr., Suite 240
Rancho Cordova, CA 95670

Subject : 2 Water Samples and 15 Soil Samples
Project Name : Chevron #9-3600
Project Number : GR#346895.01

Dear Mr. Bauhs

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-1-6'** Matrix : Soil Lab Number : 18300-01
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300

Date : 11/12/00

Project Name : **Chevron #9-3600**

Project Number : **GR#346895.01**

Sample : **B-1-10'** Matrix : Soil Lab Number : 18300-02

Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-1-11/08/00(W)** Matrix : Water Lab Number : 18300-04
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**180**	20	ug/L	EPA 8260B	11/11/00
Toluene	**< 20**	20	ug/L	EPA 8260B	11/11/00
Ethylbenzene	**2200**	20	ug/L	EPA 8260B	11/11/00
Total Xylenes	**1100**	20	ug/L	EPA 8260B	11/11/00
Methyl-t-butyl ether (MTBE)	**730**	20	ug/L	EPA 8260B	11/11/00
Diisopropyl ether (DIPE)	**< 20**	20	ug/L	EPA 8260B	11/11/00
Ethyl-t-butyl ether (ETBE)	**< 20**	20	ug/L	EPA 8260B	11/11/00
Tert-amyl methyl ether (TAME)	**< 20**	20	ug/L	EPA 8260B	11/11/00
Tert-Butanol	**380**	200	ug/L	EPA 8260B	11/11/00
Methanol	**< 2000**	2000	ug/L	EPA 8260B	11/11/00
Ethanol	**< 200**	200	ug/L	EPA 8260B	11/11/00
1,2-Dichloroethane	**< 20**	20	ug/L	EPA 8260B	11/11/00
1,2-Dibromoethane	**< 20**	20	ug/L	EPA 8260B	11/11/00
TPH as Gasoline	**29000**	2000	ug/L	EPA 8260B	11/11/00
Toluene - d8 (Surr)	95.5		% Recovery	EPA 8260B	11/11/00
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	11/11/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-2-6'** Matrix : Soil Lab Number : 18300-05
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	91.2		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	85.8		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-2-10'** Matrix : Soil Lab Number : 18300-06
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 18300

Date : 11/12/00

Project Name : **Chevron #9-3600**

Project Number : **GR#346895.01**

Sample : **B-3-5'** Matrix : Soil Lab Number : 18300-07

Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	92.7		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	85.2		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-4-5'** Matrix : Soil Lab Number : 18300-08
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	93.3		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	87.3		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-4-10'** Matrix : Soil Lab Number : 18300-09
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	93.1		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	85.9		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-5-5'** Matrix : Soil Lab Number : 18300-10
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	94.7		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	87.4		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-5-10'** Matrix : Soil Lab Number : 18300-11
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	94.7		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	88.7		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-6-5'** Matrix : Soil Lab Number : 18300-12
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	94.1		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	86.0		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-6-10'** Matrix : Soil Lab Number : 18300-13
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-7-5'** Matrix : Soil Lab Number : 18300-14
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/11/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/11/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/11/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/11/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/11/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/11/00
Toluene - d8 (Surr)	91.4		% Recovery	EPA 8260B	11/11/00
4-Bromofluorobenzene (Surr)	91.5		% Recovery	EPA 8260B	11/11/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-7-10'** Matrix : Soil Lab Number : 18300-15
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	99.1		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	91.0		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **B-7-11/08/00(W)** Matrix : Water Lab Number : 18300-16
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/11/00
Methanol	**< 50**	50	ug/L	EPA 8260B	11/11/00
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	11/11/00
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	11/11/00
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/11/00
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	11/11/00
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	11/11/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 18300
Date : 11/12/00

Project Name : **Chevron #9-3600**
Project Number : **GR#346895.01**

Sample : **SP-1,2,3,4** Matrix : Soil Lab Number : 18300-17
Sample Date :11/8/00

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
Total Xylenes	**0.0077**	0.0050	mg/Kg	EPA 8260B	11/10/00
Methyl-t-butyl ether	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	11/10/00
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	11/10/00
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	11/10/00
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/10/00

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Analysis Report: Lead, EPA Method 6010

Client: Joel Kiff
720 Olive Drive,
Suite D
Davis, CA 95616

Project: Chevron #9-3600

Date Sampled: 11/08/2000
Date Received: 11/13/2000
Date Extracted: 11/14/2000
Date Analyzed: 11/14/2000
Date Reported: 11/15/2000

Project No.: GR3346895.01
Contact: Joel Kiff
Phone: (530)297-4800

Lab Contact: James Liang
Lab ID No.: S4119
Job No.: 834119
COC Log No.: 18300
Batch No.: M2K1114A
Instrument ID: IP004
Analyst ID: JEFFD
Matrix: SOIL

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)	Dilution (factor)
1A / B-2-10' Pb (Lead)	7439921	6.2	2.5	1.0
2A / B-1-10' Pb (Lead)	7439921	10	2.5	1.0
3A / B-4-5' Pb (Lead)	7439921	26	2.5	1.0
4A / B-1-6' Pb (Lead)	7439921	32	2.5	1.0
5A / B-2-6' Pb (Lead)	7439921	9.6	2.5	1.0
6A / B-3-5' Pb (Lead)	7439921	27	2.5	1.0
7A / B-4-10' Pb (Lead)	7439921	27	2.5	1.0
8A / B-6-5' Pb (Lead)	7439921	3.2	2.5	1.0
9A / B-6-10' Pb (Lead)	7439921	3.6	2.5	1.0
10A / B-5-10' Pb (Lead)	7439921	8.9	2.5	1.0
11A / B-7-5' Pb (Lead)	7439921	6.5	2.5	1.0
12A / B-5-5' Pb (Lead)	7439921	17	2.5	1.0
13A / B-7-10' Pb (Lead)	7439921	6.8	2.5	1.0

CA DOHS ELAP Accreditation/Registration Number 1233

Analysis Report: Lead, EPA Method 6010

Client: Joel Kiff
720 Olive Drive,
Suite D
Davis, CA 95616

Project: Chevron #9-3600

Date Sampled: 11/08/2000
Date Received: 11/13/2000
Date Extracted: 11/14/2000
Date Analyzed: 11/14/2000
Date Reported: 11/15/2000

Project No.: GR3346895.01
Contact: Joel Kiff
Phone: (530)297-4800

Lab Contact: James Liang
Lab ID No.: S4119
Job No.: 834119
COC Log No.: 18300
Batch No.: MZK1114A
Instrument ID: IP004
Analyst ID: JEFFD
Matrix: SOIL

ANALYTICAL RESULTS

Lab / Client ID Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)	Dilution (factor)
14A / SP-1,2,3,4 Pb (Lead)	7439921	11	2.5	1.0

ND = Not detected at or above indicated Reporting Limit

CA DOHS ELAP Accreditation/Registration Number 1233

KIFF ANALYTICAL LLC
720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4803

Lab No. 18300 Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Manager: MR. Tom Bauhs Suite 240
Company/Address: Getler-Ryan Inc. / 3164 Gold Camp Dr Rancho Cordova, CA.
Phone No.: (916) 631-1300
FAX No.: (916) 631-1317
Project Number: GR#346895.01
P.O. No.:
Project Name: Chevron #9-3600
Project Location: 2200 Telegraph Ave., Oakland, CA
Sampler Signature: Tony Mitchell

Sample Designation	Sampling Date	Sampling Time	Container (Type/Amount): 40 ml VOA	SLEEVE	1L GLASS	500 ml GLASS	Method Preserved: HCl	HNO_3	ICE	NONE	Matrix: WATER/SOIL	BTEX (8020) (TAT)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	5 Oxygenates/TPH Gas/BTEX (8260)	7 Oxygenates/TPH Gas/BTEX (8260)	5 Oxygenates (8260)	7 Oxygenates (8260)+1,2-DCA, EDB	EPA 8260	EPA 8270	Lead (7421/239.2)	Cd, Cr, Pb, Zn, Ni	TOTAL Pb - (6010)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk/2 wk	For Lab Use Only
B-1-6'	11/08/00	11:00		1					X		S													X		-01
B-1-10'		11:37		1					X		S															-02
B-1-12.5'		3:44		1					X		S														Hold	-03
B-1-11/08/00(W)		4:15	9			1	X	X	X		W															-04
B-2-6'		12:40		1							S															-05
B-2-10'		12:43		1							S															-06
B-3-5'		1:09		1							S															-07
B-4-5'		1:38		1							S															-08
B-4-10'		1:55		1							S															-09
B-5-5'	↓	2:15		1							S															-10

Relinquished by:	Date	Time	Received by:
Tony Mitchell			
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	11/09/00	1525	Oscar Albalan / KIFF Analytical

Remarks:

Email address:
☐ .doc ☐ .xls ☐ .txt ☐ other

Bill to:

COC.fm8 (9/98)

Distribution: White - Lab, Yellow - File, Pink - Originator

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4803

Lab No 18300 Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Manager: MR. TOM BAUHS suite 240
Company/Address: Gettler-Ryan Inc. / 3164 Gold Camp Dr. Rancho Cordova, CA.
Phone No.: (916) 631-1300
FAX No.: (916) 631-1317
Project Number: GR#346895.01
P.O. No.:
Project Name: Chevron #9-3600
Project Location: 2200 Telegraph Ave., Oakland, CA.
Sampler Signature: Tony Mitarai

Sample Designation	Sampling Date	Sampling Time	Container (Type/Amount): 40 ml VOA	SLEEVE	1L GLASS	500 ml GLASS	Method Preserved: HCl	HNO_3	ICE	NONE	Matrix: WATER/SOIL
B-5-10'	11/08/00	2:40		1							S
B-6-5'		2:59		1							S
B-6-10'		3:09		1							S
B-7-5'		5:00		1							S
B-7-10'		5:20		1							S
B-7-11/08/00(W)		6:27	8			1	X	X			W
SP-1		5:35		1					X		S
SP-2		5:35		1					X		S
SP-3		5:35		1					X		S
SP-4		5:35		1					X		S

Analysis Request

BTEX (8020)	BTEX/TPH Gas/MTBE (8020/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	5 Oxygenates/TPH Gas/BTEX (8260)	7 Oxygenates/TPH Gas/BTEX (8260)	5 Oxygenates (8260)	7 Oxygenates (8260)+1,2-DCA, EDB	EPA 8260	EPA 8270	Lead (7421/239.2) W.E.T. (X) / TOTAL (X)	Cd, Cr, Pb, Zn, Ni	TOTAL Pb - (6010)
	X						X					X
	X											

TAT: 24 hr/24 hr (48 hr) 72 hr/1 wk/2 wk

For Lab Use Only: Composite 4:1

Relinquished by: Tony Mitarai — Date — Time — Received by:
Relinquished by: — Date — Time — Received by:
Relinquished by: — Date 110900 — Time 1525 — Received by Laboratory: Osana Albalamy / KIFF Analytical

Remarks:
Email address: ☐ .doc ☐ .xls ☐ .txt ☐ other
Bill to:

COC.fm8 (9/98)

Distribution: White - Lab, Yellow - File, Pink - Originator

FROM: JOEL KIFF TO: TOM BAUHS
DATE: 11/13/00 TIME: 10:20:36 AM
PAGE 13 OF 13

GETTLER-RYAN INC.

TRANSMITTAL

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

DATE: May 30, 2002
PROJ. #: DG93600G.4CT1-1
SUBJECT: Chevron Station #9-3600
2200 Telegraph Ave.
Oakland, California

FROM:
Tony P. Mikacich
Project Geologist
Gettler-Ryan Inc.
3140 Gold Camp Drive, Suite 170
Rancho Cordova, California 95670

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	May 30, 2002	*Monitoring Well Installation Report,* dated May 30, 2002.

THESE ARE TRANSMITTED as checked below:

[ ] For review and comment [ ] Approved as submitted [ ] Resubmit __ copies for approval

[ ] As requested [ ] Approved as noted [ ] Submit __ copies for distribution

[ ] For approval [ ] Return for corrections [ ] Return __ corrected prints

[X] For your files

COMMENTS:

At the request of Chevron, GR will send copies to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Chuck Headlee, RWQCB-San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Mr. James Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Dr., Suite 200, Rancho Cordova, CA 95670-6021
Mr. Tom Welch, First Union, 425 Market Street, Suite 2200, San Francisco, CA 94105

Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, California 95670-6021
916/638-2085
FAX: 916/638-8385

MONITORING WELL INSTALLATION REPORT

at
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Report No. DG93600G.4CT1-1
Delta Project No. DG93-600-G

Prepared for:

Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

Prepared by:

DELTA ENVIRONMENTAL CONSULTANTS INC.
Network Associate **GETTLER - RYAN INC.**
3140 Gold Camp Drive, Suite 170
Rancho Cordova, California 95670

Tony P. Mikacich
Project Geologist

David W. Herzog
Senior Geologist
R.G. 7211

May 30, 2002

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

MONITORING WELL INSTALLATION REPORT

at
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Report No. DG93600G.4CT1-1
Delta Project No. DG93-600-G

INTRODUCTION

At the request of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. (Delta) network associate Gettler-Ryan Inc. (GR) has prepared this report for the installation of three groundwater monitoring wells at the subject site. The purpose of this investigation was to evaluate dissolved hydrocarbons in the area of the UST complex. The proposed scope of work included: obtaining the required well installation permits from the Alameda County Public Works Agency (ACPWA); updating the site safety plan; installing three groundwater monitoring wells; collecting soil samples from the well borings for description and possible analysis; developing and sampling the newly installed groundwater monitoring wells; analyzing selected soil and groundwater samples; surveying the new wellhead elevations; and preparing a report that presents the findings of the investigation. This work was originally proposed in Delta's, *Work Plan for Monitoring Well Installation*, dated January 24, 2002, and approved by Alameda County Health Cares Services Agency (ACHCSA) in letter dated January 30, 2002.

SITE DESCRIPTION

The subject site is an active Chevron service station located on the southeast corner of the intersection of Telegraph Avenue and West Grand Avenue in Oakland, California (Figure 1). Site facilities consist of a kiosk, three underground storage tanks (USTs), five fueling dispenser islands with canopy, and a bathroom and storage room. Bay Area Regional Transit (BART) tracks run beneath the center of the site in an underground tunnel at a depth of approximately 30 feet below surface grade (bsg). The approximate location of the BART right-of-way is presented on Figure 2. The monitoring well locations were placed outside the BART right-of-way. Locations of pertinent site features are shown on Figure 2.

PREVIOUS ENVIRONMENTAL WORK

1986: In October, Blaine Tech Services Inc. of San Jose, California, collected and analyzed soil and groundwater samples from a re-excavated, backfilled tank pit, from which a tank had been previously removed. Total Petroleum Hydrocarbons as gasoline (TPHg) were detected at concentrations as high as 44 parts per million (ppm) in a soil sample from a depth between 2 and 3 feet bsg. TPHg were detected at concentrations of 4.5 ppm from an additional soil sample collected from a depth of approximately 13 feet bsg in the former tank pit area. On October 24, 1986, one water sample was collected from the re-excavated tank pit. TPHg and benzene were detected in groundwater.

1986-87:During station reconstruction, sixteen vapor wells equipped with vapor sensors were installed because of the BART tracks that run beneath the center of the site. It is GR's understanding that the vapor

wells and sensors were abandoned and removed from the site.

1992: In October, Groundwater Technology, Inc. collected and analyzed one groundwater sample from former vadose zone well (VW-2-1). TPHg and benzene were detected at concentrations of 42,000 and 3,300 ppb, respectively. Depth to groundwater was 4.43 feet bsg during the October 13, 1992 sampling event. Groundwater samples were not analyzed for fuel oxygenating compounds.

1994: In July, gasoline product lines were removed in order to upgrade the system. Touchstone Developments of Santa Rosa, California, were onsite to observe the removal of product piping and collect soil samples for analysis from product line trenches at depths between 4.5 and 5.5 feet bsg. TPHg were detected at concentrations as high as 3.6 ppm in a soil sample collected at a depth of 5.5 feet bsg. Samples were not analyzed for fuel oxygenating compounds.

2000: In March, GR advanced eight hand-augered borings up to 16 feet bsg. TPHg or BTEX were not detected in soil samples collected from the borings.

Based on the available analytical soil data, trace concentrations of residual petroleum hydrocarbons are present beneath the site, mainly in the vicinity of the former USTs. Historical soil analytical data are presented in Table 1.

FIELD ACTIVITIES

To further evaluate the dissolved petroleum hydrocarbon plume in the vicinity of the UST complex, GR install three groundwater monitoring wells at the locations shown on Figure 2. Field work was conducted in accordance with GR's Field Methods and Procedures (Appendix A) and Site Safety Plan dated March 12, 2002. The wells were installed under drilling permits #WO2-0055, -0056, and –0057, which were obtained from the ACPWA. Copies of the permit are included in Appendix B. Underground Service Alert (USA) was notified prior to drilling at the site.

On March 12, 2002, a GR geologist observed Gregg Drilling Inc. (C57#485165) drill and install three monitoring wells (MW-1, MW-2, and MW-3) at the locations shown on Figure 2. A hand auger was used to clear the first five feet of each borehole of underground utilities. A limited access rig using 8-inch diameter hollow-stem augers drilled the well borings to approximately 20 feet bsg. Soil samples were collected from the well borings at 5-foot intervals for description and preparation of a log, and for possible chemical analysis. The boring logs are presented in Appendix B.

Well Installation

The wells were constructed of 2-inch diameter polyvinyl chloride (PVC) well casing and 0.020-inch machine slotted screen material to a depth of 20 feet bsg. The wells are screened from 5-20 feet bsg. Lonestar #3 sand was placed in the annular space from the bottom of the borings to approximately 2 feet above the well screen. The wells were then sealed with hydrated bentonite followed by neat cement. A water-resistant well box installed in concrete was placed over each well. An expandable waterproof well cap with lock was placed on the top of the well casings. Well construction details are shown on the boring logs in Appendix B. The well borings were drilled and soil samples were collected as described in GR's Field Methods and Procedures (Appendix A).

Drill cuttings were placed on-site in properly labeled 55-gallon drums pending disposal. One 4-point composite sample (SP1-4) was collected from the drummed soil for disposal characterization.

Well Development, Monitoring, and Sampling

Wells MW-1, MW-2, and MW-3 were developed and sampled on April 5, 2002. Depth-to-water was measured and the wells were checked for the presence of separate phase hydrocarbons (SPH). SPH were not found in the wells. The newly installed wells had abundant silt and required additional purging prior to becoming clear. Wells MW-1 and MW-3 did not de-water during development, but well MW-2 did de-water and was allowed to recover for 10 minutes prior to sampling. Following development, groundwater samples were collected from the wells. Purge water generated during development and sampling procedures were transported by Chevron's contractor Integrated Wastestream Management (IWM) for disposal at McKittrick. Well development procedures are included in Appendix A. A copy of the well development/monitoring and sampling field data sheets are included in Appendix C.

Wellhead Survey

Following installation of the wells, the elevations were surveyed by Morrow Surveying of West Sacramento, CA (California license #5161). Top of casings and vault box elevations were measured relative to Mean Sea Level (MSL) utilizing City of Oakland Benchmark (BM#37JC). GPS measurements, horizontal coordinates of the wells, and other site-specific details were also established. A copy of the surveyor's report is included in Appendix D.

RESULTS OF THE SUBSURFACE INVESTIGATION

Soil encountered during this investigation generally consisted of clay with sand and clay to approximately 10 to 15 feet bsg. Poorly graded sand and silty and clayey sand were generally encountered from approximately 15 feet bsg to the total explored depth of 20 feet bsg. Groundwater was first encountered at approximately 11 feet bsg as indicated by wet soil samples, and the static water level remained consistent with these levels. Based on groundwater monitoring data collected on April 5, 2002, shallow groundwater beneath the site is flowing to the southeast at a gradient of 0.005 (Figure 2). Detailed descriptions of the soil encountered during drilling are presented on the boring logs in Appendix B.

CHEMICAL ANALYTICAL RESULTS

A total of 12 soil samples from the well borings, one composite soil sample from the drummed cuttings, and three groundwater samples were submitted for chemical analysis. Analyses were performed by Lancaster Laboratories (ELAP No. 2116). Copies of the laboratory analytical reports and chains-of-custody are included in Appendix E.

Chemical Analytical Procedures

Soil samples from the well borings and drummed drill cuttings were analyzed for TPHg and benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary-butyl ether (MtBE) by EPA Methods 8015M/8021B.

The drill cuttings soil sample was also analyzed for total lead by EPA Method 6010B. Groundwater samples were analyzed for TPHg, BTEX and MtBE by EPA Methods 8015M/8021B, and for MtBE, tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (EtBE), and tertiary amyl methyl ether (TAME) by EPA Method 8260B.

Soil Analytical Results

TPHg, BTEX, or MtBE were not detected in soil samples from well boring MW-2 or MW-3, and benzene or MtBE were not detected in soil samples from MW-1. TPHg were reported in soil samples collected at 11.5 feet bsg in well boring MW-1 at concentrations of 3.2 ppm. Soil chemical analytical data are summarized in Table 1.

Groundwater Analytical Results

TPHg, BTEX, or oxygenates were not detected in groundwater samples from wells MW-2 or MW-3. TPHg and benzene were reported in the groundwater sample collected from monitoring well MW-1 at concentrations of 2,000 and 5.0 ppb, respectively. MtBE, TBA, and TAME were reported in groundwater from well MW-1 at concentrations of 370 ppb, 200 ppb, and 10 ppb, respectively, by EPA Method 8260B. These data are summarized in Tables 2 and 3.

WASTE DISPOSAL

Drill cuttings were removed from the site on April 12, 2002, by IWM for disposal at Republic Services Vasco Road Landfill of Livermore, California. A copy of the disposal confirmation form is included in Appendix B.

CONCLUSIONS

The purpose of this investigation was to evaluate soil and groundwater near the UST complex to determine the extent of petroleum hydrocarbons and MtBE.

Based on the soil chemical analytical data collected during this and previous site investigations, no significant hydrocarbon impact to soil is present, and additional assessment of soil conditions is not warranted at this time. Groundwater impact onsite appears limited to the immediate vicinity of the USTs.

The dissolved hydrocarbon plume is not delineated downgradient of the USTs, but assessment of the groundwater downgradient is restricted due to the location of the BART tunnel.

GR recommends that quarterly monitoring and sampling be initiated for wells MW-1, MW-2, and MW-3. Groundwater samples from all three wells should be analyzed for TPHg, BTEX, and MtBE by EPA Methods 8015M and 8021B, and for MtBE, TBA, DIPE, EtBE, and TAME by EPA Method 8260B.

Additional assessment work may be necessary, but GR recommends that at least four quarters of groundwater data be collected and reviewed prior to determining if additional work is warranted.

TABLES

Table 1 - Soil Chemical Analytical Results

Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Sample ID	Sample Depth (ft)	Sample Date	TPHg (ppm)	Lead (ppm)	B (ppm)	T (ppm)	E (ppm)	X (ppm)	MtBE (ppm)
Historic									
F4-1	2 to 3	10/31/1986	**15**	---	---	---	---	---	---
F4-2	2	10/31/1986	**44**	---	---	---	---	---	---
F4-3	2	10/31/1986	**1.4**	---	---	---	---	---	---
F4-4	2	10/31/1986	<1.0	---	---	---	---	---	---
P-1	4.5	7/25/1994	ND	---	ND	ND	ND	ND	---
P-2	4.5	7/25/1994	ND	---	ND	ND	ND	ND	---
P-3	5	7/25/1994	ND	---	ND	**0.012**	**0.008**	**0.045**	---
P-4	5	7/25/1994	ND	---	ND	ND	ND	ND	---
P-5	5	7/25/1994	ND	---	ND	ND	ND	ND	---
P-6	5.5	7/25/1994	**3.6**	---	ND	**0.03**	**0.012**	**1.3**	---
P-7	5.5	7/25/1994	ND	---	ND	**0.005**	ND	**0.007**	---
P-8	5	7/25/1994	ND	---	ND	ND	ND	ND	---
B-1-6	6	11/8/2000	<1.0	**32**	<0.005	<0.005	<0.005	<0.005	---
B-1-10	10	11/8/2000	<1.0	**10**	<0.005	<0.005	<0.005	<0.005	---
B-2-6	6	11/8/2000	<1.0	**9.6**	<0.005	<0.005	<0.005	<0.005	---
B-2-10	10	11/8/2000	<1.0	**6.2**	<0.005	<0.005	<0.005	<0.005	---
B-3-5	5	11/8/2000	<1.0	**27**	<0.005	<0.005	<0.005	<0.005	---
B-4-5	5	11/8/2000	<1.0	**26**	<0.005	<0.005	<0.005	<0.005	---
B-4-10	10	11/8/2000	<1.0	**27**	<0.005	<0.005	<0.005	<0.005	---
B-5-5	5	11/8/2000	<1.0	**17**	<0.005	<0.005	<0.005	<0.005	---
B-5-10	10	11/8/2000	<1.0	**8.9**	<0.005	<0.005	<0.005	<0.005	---
B-6-5	5	11/8/2000	<1.0	**27**	<0.005	<0.005	<0.005	<0.005	---
B-6-10	10	11/8/2000	<1.0	**3.6**	<0.005	<0.005	<0.005	<0.005	---
B-7-5	5	11/8/2000	<1.0	**6.5**	<0.005	<0.005	<0.005	<0.005	---
B-7-10	10	11/8/2000	<1.0	**6.8**	<0.005	<0.005	<0.005	<0.005	---
Recent									
MW-1-S-6.5	6.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-1-S-11.5	11.5	3/12/2002	**3.2**	---	<0.0050	<0.0050	**0.015**	<0.015	<0.050
MW-1-S-16.5	16.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-1-S-20	20	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-2-S-6.5	6.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-2-S-11.5	11.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-2-S-16.5	16.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-2-S-20	20	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-3-S-6.5	6.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-3-S-11.5	11.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-3-S-16.5	16.5	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
MW-3-S-20	20	3/12/2002	<1.0	---	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SP-1-4-S	---	3/12/2002	<1.0	**110**	<0.0050	<0.0050	<0.0050	<0.015	<0.050
SP-1-4-S	---	3/12/2002	---	**74.5**	---	---	---	---	---
SP-1-4-S	---	3/12/2002	---	***3.340**	---	---	---	---	---

Explanation:
TPHg = Total Petroleum Hydrocarbons as gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
MtBE = Methyl tert-butyl ether
ppm = Parts per million

Analytical Methods for Samples Collected 3/12/2002
TPHg by EPA Method 8015M
BTEX/MtBE by EPA Method 8021B
Lead by EPA Method 6010B

Analytical Laboratory for Samples collected 03/12/2002
Lancaster Laboratories (ELAP # 2116)

Notes:
* = Waste Extraction Test (WET) Method

Table 2

Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	GWE (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1 17.07	04/05/02[1]	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370[1]
MW-2 16.82	04/05/02[1]	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[1]
MW-3 16.52	04/05/02[1]	11.29	5.23	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2[1]
QA	04/05/02	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 2

Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
QA = Quality Assurance

* TOC elevations were surveyed on April 17, 2002, by Morrow Surveying. The elevations are based on a City of Oakland Benchmark No. 37JC, (Benchmark Elevation = 17.68 Feet).

[1] Well development performed.
[1] MTBE by EPA Method 8260.

Table 3

Groundwater Analytical Results - Oxygenate Compounds
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID	DATE	TBA *(ppb)*	MTBE *(ppb)*	DIPE *(ppb)*	ETBE *(ppb)*	TAME *(ppb)*
MW-1	04/05/02	200	370	<2	<2	10
MW-2	04/05/02	<100	<2	<2	<2	<2
MW-3	04/05/02	<100	<2	<2	<2	<2

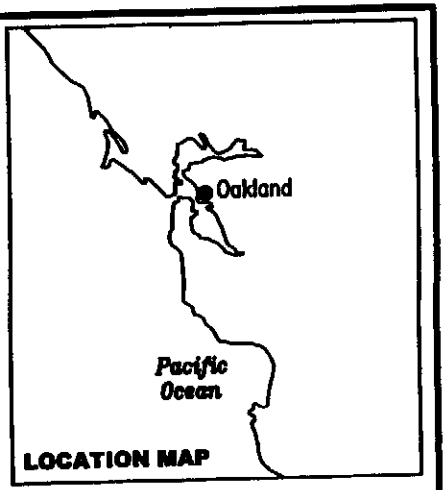
EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

FIGURES



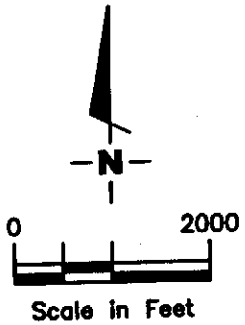


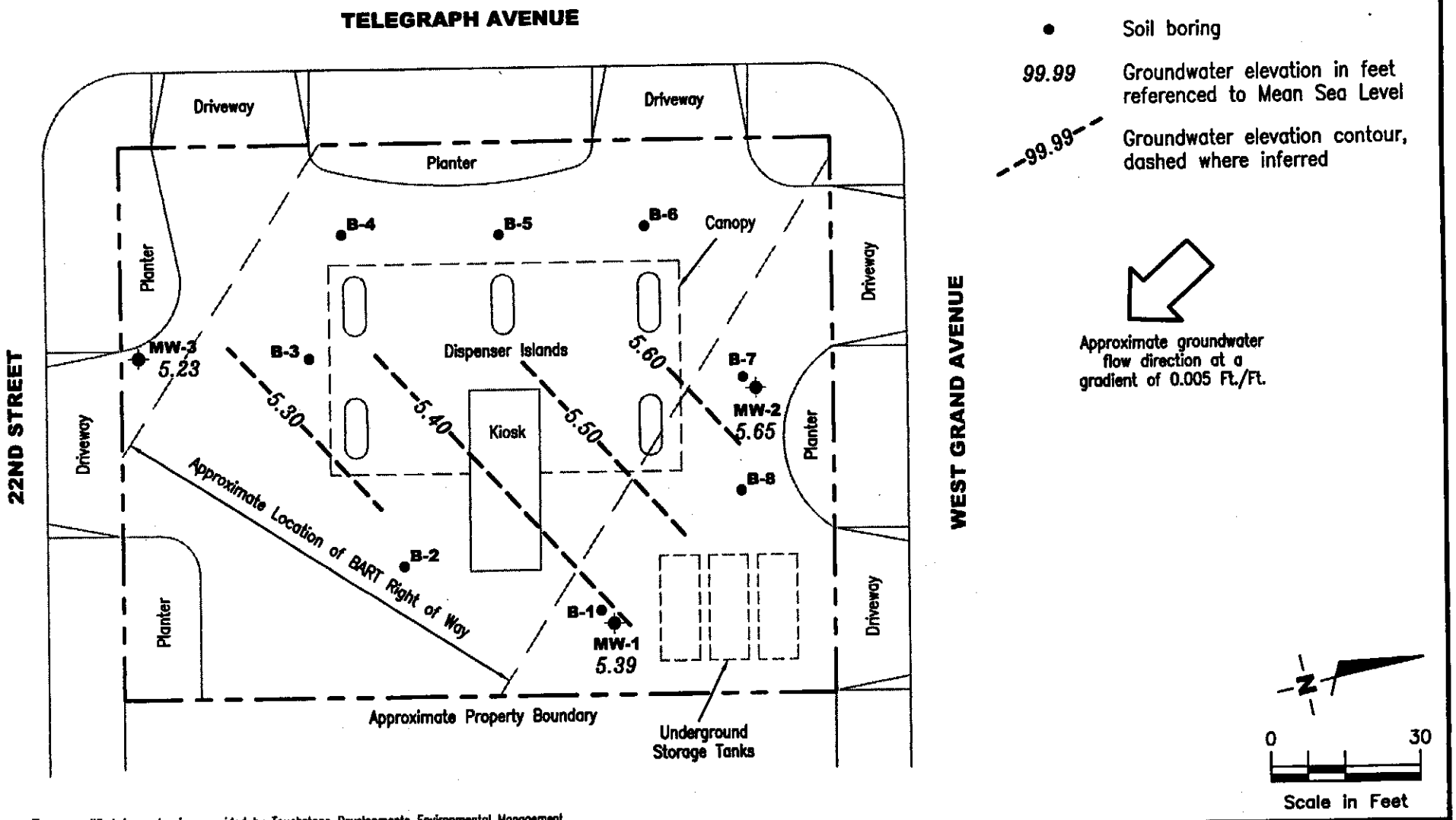
FIGURE 1

VICINITY MAP
Chevron Service Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

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

JOB NUMBER 346895
REVIEWED BY
DATE 11/00
REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-3600\VIC-9-3600.DWG | Layout Tab: CA



Source: Figure modified from drawing provided by Touchstone Developments Environmental Management.

FIGURE 2

POTENTIOMETRIC MAP
Chevron Service Station No. 9-3600
2200 Telegraph Avenue
Oakland, California

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

PROJECT NUMBER: DG93600G.4CT1
REVIEWED BY:
DATE: April 5, 2002
REVISED DATE:

FILE NAME: P:\ENVIRO\CHEVRON\9-3600\A00-9-3600.DWG | Layout Tab: Well Install 5-02

APPENDIX A

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES
WELL INSTALLATION

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Collection, preservation, and analysis of samples is performed in accordance with the California Code of Regulations Title 23, Division 3, Chapter 16, *Underground Tank Regulations* (June 2001), the Central Valley Regional Water Quality Control Board's *Tri-Regional Board Staff Recommendations for Preliminary Investigation And Evaluation Of Underground Tank Sites* (August 1990), Environmental Protection Agency *SW-846 Methods* (November 2000), and local agency guidelines.

Well borings are drilled by a California-licensed well driller. A GR geologist is present to observe the drilling, collect soil samples for description, physical testing, and chemical analysis, and prepare a log of the exploratory soil boring under the supervision of a California Registered Geologist. Soil samples are collected from the soil boring with a split-barrel sampling device fitted with 2-inch-diameter, clean brass tubes or stainless steel liners. The sampling device is driven approximately 18 inches with a 140-pound hammer falling 30 inches. The number of blows required to advance the sampler each successive 6 inches is recorded on the boring log. The encountered soils are described using the Unified Soil Classification System (ASTM 2488-93) and the Munsell Soil Color Chart or GSA Rock Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation to 48C628C. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to a California state-certified hazardous material testing laboratory. Samples are selected for chemical analysis based in part on:

a. depth relative to underground storage tanks and existing ground surface
b. depth relative to known or suspected groundwater
c. depth relative to areas of known hydrocarbon impact at the site
d. presence or absence of contaminant migration pathways
e. presence or absence of discoloration or staining
f. presence or absence of obvious gasoline hydrocarbon odors
g. presence or absence of organic vapors detected by headspace analysis

Field Screening of Soil Samples

A PID is used to perform headspace analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves removing some soil from one of the sample tubes not retained for chemical analysis and immediately covering the end of the tube with a plastic cap, or by placing a small amount of the soil to be screened in a sealable plastic bag. The soil is warmed in the sun to allow organic compounds in the sample to volatilize. The PID probe is inserted into the headspace inside the tube

through a hole in the plastic cap or through the wall of the plastic bag. Headspace screening results are recorded on the boring log. Headspace screening procedures are performed and results recorded as reconnaissance data. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Construction of Monitoring Wells

Monitoring wells are constructed in the well borings with Schedule 40 polyvinyl chloride (PVC) casing. All joints are thread-joined; no glues, cements, or solvents are used in well construction. The screened interval is constructed of machine-slotted PVC well screen, which generally extends from the total well depth to a point above the groundwater. An appropriately sized sorted sand is placed in the annular space adjacent to the entire screened interval. A bentonite transition seal is placed in the annular space above the sand, and the remaining annular space is sealed with neat cement or cement grout.

Wellheads are protected with water-resistant traffic-rated vault boxes placed flush with the ground surface. The top of the well casing is sealed with a locking waterproof cap. A lock is placed on the well cap to prevent vandalism and unintentional introduction of materials into the well.

Measurement of Water Levels

The top of the newly installed well casing is surveyed by a California-licensed Land Surveyor to mean sea level (MSL). The surveyor also obtains the horizontal coordinates of the well location including GPS longitude and latitude. Depth-to-groundwater in the well is measured from the top of the well casing with an electronic water-level indicator. Depth-to-groundwater is measured to the nearest 0.01-foot, and referenced to MSL.

Well Development and Sampling

The purpose of well development is to improve hydraulic communication between the well and the surrounding aquifer. Prior to development, each well is monitored for the presence of floating product and the depth-to-water is recorded. Wells are then developed by alternately surging the well with a vented surge block, then purging the well with a pump or bailer to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized.

Storing and Sampling of Drill Cuttings

Drill cuttings are either drummed, or stockpiled on and covered with plastic sheeting, and samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Drill cuttings samples are composed of four discrete soil samples, each collected from an arbitrary location. The four discrete samples are then composited at the laboratory prior to analysis.

Each discrete drill cuttings sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material by hand, mallet, or drive sampler. The sample tubes are then covered on both ends with Teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

APPENDIX B

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2200 Telegraph AVE., OAKLAND, CA.
(CHEVRON #9-3600)

CLIENT
Name CHEVRON U.S.A. Products Company
Address P.O. Box 6004 Phone N/A
City SAN RAMON, CA Zip 94583-0904

APPLICANT
Name Tony Mikacich/Gettler-Ryan Inc. Fax (916) 681-1517
Address 3140 Gold Camp Dr., Phone (916) 681-1200 x14
City Suite 170, Rancho Zip 95670
Cordova, CA

TYPE OF PROJECT

Well Construction	✓	~~Geotechnical Investigation~~	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☒
Monitoring	☒	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other N/A	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☒
Cable	☐	Other	☐		

DRILLER'S NAME Woodward Drilling Inc. Gregg Drilling
DRILLER'S LICENSE NO. C-57 # 710879

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 20 ft.
Surface Seal Depth 2 ft. Owner's Well Number MW-1
min 5ft.

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 02/08/02 ~~03/12/02~~ ✓ Called in 02/05/02
ESTIMATED COMPLETION DATE 02/08/02 ~~03/12/02~~

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

APPLICANT'S SIGNATURE Tony Mikacich (G/R) DATE 01/24/02
PLEASE PRINT NAME Tony Mikacich (for Gettler-Ryan Inc.)

Rev.5-13-00

FOR OFFICE USE

PERMIT NUMBER W02-0055
WELL NUMBER _____
APN _____

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 proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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 PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

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

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS
Attached #1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED _____ DATE 1-24-02

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2200 Telegraph AVE., OAKLAND, CA. (CHEVRON #9-3600)

CLIENT
Name CHEVRON U.S.A. Products Company
Address P.O. Box 6004 Phone N/A
City SAN RAMON, CA Zip 94583-0904

APPLICANT
Name Tony Mikacich/Gettler-Ryan Inc. Fax (916) 631-1317
Address 3140 Gold Camp Dr., Suite 170, Rancho Cordova, CA Phone (916) 681-1300 x14
City Rancho Cordova, CA Zip 95670

TYPE OF PROJECT

Well Construction	✓	Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☒
Monitoring	☒	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other N/A	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☒
Cable	☐	Other	☐		

DRILLER'S NAME Woodward Drilling Inc. Gregg

DRILLER'S LICENSE NO. C-57 # 710079

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 20 ft.
Casing Diameter 2 in. Owner's Well Number MW-2
Surface Seal Depth 5 ft. MW 5ft

GEOTECHNICAL PROJECTS
Number of Borings ____ Maximum Depth ____ ft.
Hole Diameter ____ in.

ESTIMATED STARTING DATE 03/08/02 03/12/02
ESTIMATED COMPLETION DATE 03/08/02

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

APPLICANT'S SIGNATURE Tony Mikacich (G/R) DATE 01/18/02

PLEASE PRINT NAME Tony Mikacich (for Gettler-Ryan Inc.)

Rev.5-13-00

FOR OFFICE USE

PERMIT NUMBER W02-0056
WELL NUMBER
APN

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 proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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 PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

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

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS Attached #1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

Approved

APPROVED [signature] DATE 1-24-02

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2200 Telegraph AVE, OAKland, CA. (CHEVRON # 9-3600)

CLIENT
Name CHEVRON U.S.A. Products Company
Address P.O. Box 6004 Phone N/A
City SAN RAMON, CA Zip 94583-0904

APPLICANT
Name Tony MIKACich / Gettler-RYAN INC.
Fax (916) 631-1317
Address 3140 GOLD CAMP DR. #1 Phone (916) 631-1300 x19
City Suite 170, RANCHO CORDOVA, CA Zip 95670

TYPE OF PROJECT

Well Construction	✓	Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☒
Monitoring	☒	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other N/A	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☒
Cable	☐	Other	☐		

DRILLER'S NAME Woodward Drilling Inc.

DRILLER'S LICENSE NO. C-57 # 710079 Gregg

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 20 ft.
Casing Diameter 2 in. Owner's Well Number MW-3
Surface Seal Depth 2 ft. (MMSH)

GEOTECHNICAL PROJECTS
Number of Borings ____ Maximum Depth ____ ft.
Hole Diameter ____ in.

ESTIMATED STARTING DATE 02/08/02 03/12/02
ESTIMATED COMPLETION DATE 02/08/02

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

APPLICANT'S SIGNATURE Tony Mikacich (G/R) DATE 01/18/02

PLEASE PRINT NAME Tony Mikacich (for Gettler-Ryan Inc.)

Rev.5-13-00

FOR OFFICE USE
PERMIT NUMBER WO2-0057
WELL NUMBER
APN

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 proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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 PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

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

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS
Attached #1

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

Approved

APPROVED ____ DATE 1-24-02

MAJOR DIVISIONS				TYPICAL NAMES
COARSE-GRAINED SOILS (MORE THAN HALF IS COARSER THAN NO. 200 SIEVE)	GRAVELS (MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE)	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW	Well graded gravels with or without sand, little or no fines
			GP	Poorly graded gravels with or without sand, little or no fines
		GRAVELS WITH OVER 15% FINES	GM	Silty gravels, silty gravels with sand
			GC	Clayey gravels, clayey gravels with sand
	SANDS (MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE)	CLEAN SANDS WITH LITTLE OR NO FINES	SW	Well graded sands with or without gravel, little or no fines
			SP	Poorly graded sands with or without gravel, little or no fines
		SANDS WITH OVER 15% FINES	SM	Silty sands with or without gravel
			SC	Clayey sands with or without gravel
FINE-GRAINED SOILS (MORE THAN HALF IS FINER THAN NO. 200 SIEVE)	SILTS AND CLAYS (LIQUID LIMIT 50% OR LESS)		ML	Inorganic silts and very fine sands, rock flour, silts with sands and gravels
			CL	Inorganic clays of low to medium plasticity, clays with sands and gravels, lean clays
			OL	Organic silts or clays of low plasticity
	SILTS AND CLAYS (LIQUID LIMIT GREATER THAN 50%)		MH	Inorganic silts, micaceous or diatomaceous, fine sandy or silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic silts or clays of medium to high plasticity
HIGHLY ORGANIC SOILS			PT	Peat and other highly organic soils

PID	Volatile vapors in ppm
(2.5YR 6/2)	Soil color according to Munsell Soil Color Charts (1993 Edition)
BLOWS/FT.	Sample drive hammer weight – 140 pounds falling 30 inches. Blows required to drive sampler 1 foot are indicated on the logs.

———	Observed contact
– – – –	Inferred contact
▨	No soil sample recovered
■	"Undisturbed" sample
▽	First encountered groundwater level
▼	Static groundwater level

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

UNIFIED SOIL CLASSIFICATION
ASTM D 2488-85
AND
KEY TO SAMPLING DATA

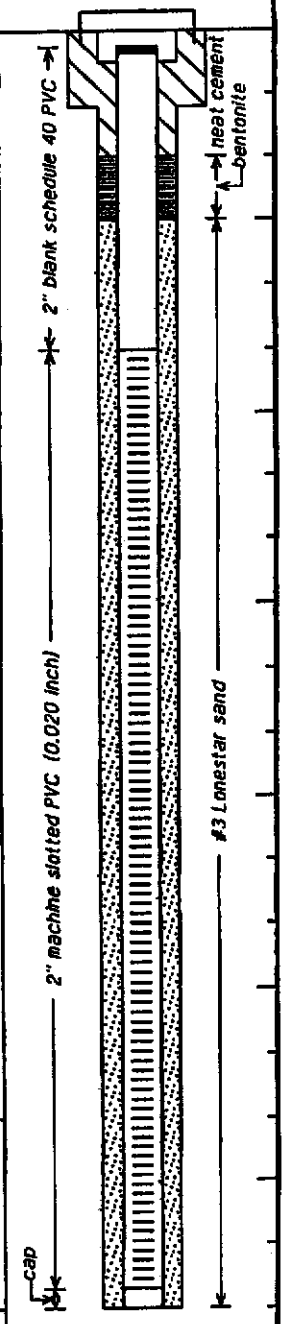
Gettler-Ryan, Inc.

Log of Boring MW-1

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, California*
GR PROJECT NO.: *DG93600G.4CT1*	CASING ELEVATION:
DATE STARTED: *03/12/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *03/12/02*	WL (ft. bgs): *11.20* DATE: *03/12/02* TIME: *13:09*
DRILLING METHOD: *8 in. HSA – Limited Access Rig*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling, Inc.*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
			Asphalt – 6 inches thick.
		SC	CLAYEY SAND (SC)
3		CL	CLAY WITH SAND (CL) – brown to dark brown (7.5YR 3/3), moist; 80% clay, 20% fine to medium sand, trace fine gravel.
6	MW-1-6.5		
9			CLAY (CL) – black (N2 5Y), moist; 90% clay, 10% fine sand, faint organic odor.
12	MW-1-11.5	SC	CLAYEY SAND (SC) – brown (7.5YR 3/3), wet, medium dense; 60% fine sand, 40% clay, abundant iron oxidation.
15	MW-1-16.5		
18		CL	SANDY CLAY (CL) – brown to green (2.5Y 5/3), trace gray mottling, wet; 70% clay, 30% fine sand, abundant iron oxidation.
21	MW-1-20		Bottom of boring at 20 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG93600G.4CT1*

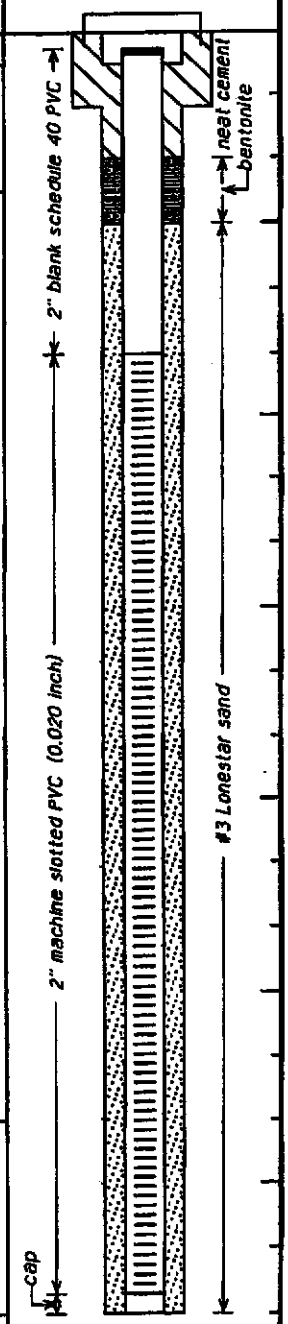
Gettler-Ryan, Inc.

Log of Boring MW-2

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, California*
GR PROJECT NO.: *DG936006.4CTI*	CASING ELEVATION:
DATE STARTED: *03/12/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *03/12/02*	WL (ft. bgs): *11.65* DATE: *03/12/02* TIME: *13:16*
DRILLING METHOD: *8 in. HSA – Limited Access Rig*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling, Inc.*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
			Asphalt – 6 inches thick.
		SM	SILTY SAND (SM)
3		CL	CLAY (CL) – black (N.2.5), moist; 80% clay, 20% silt, trace shell fragments.
6	MW-2-6.5		
9			Color changes to dark brown (2.5Y 4/3), moist, very plastic; 70% clay, 20% silt, 10% fine sand, abundant iron oxidation, abundant black organic matter.
12	MW-2-11.5		
15	MW-2-16.5		Becomes wet.
18		SP	POORLY GRADED SAND (SP) – light olive brown (2.5Y 5/3), wet; 100% very fine sand, trace iron oxidation.
21	MW-2-20		Bottom of boring at 20 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG936006.4CTI*

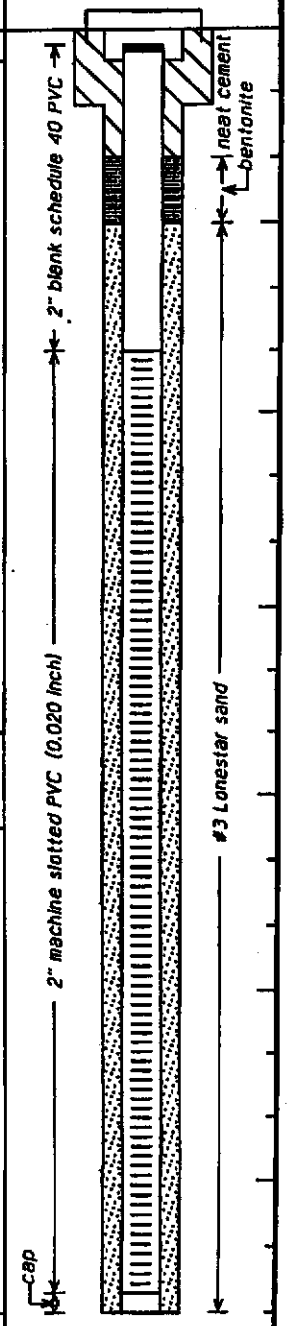
Gettler-Ryan, Inc.

Log of Boring MW-3

PROJECT: *Chevron Service Station No. 9-3600*	LOCATION: *2200 Telegraph Avenue, Oakland, California*
GR PROJECT NO.: *DG93600G.4CT1*	CASING ELEVATION:
DATE STARTED: *03/12/02*	WL (ft. bgs): DATE: TIME:
DATE FINISHED: *03/12/02*	WL (ft. bgs): *10.60* DATE: *03/12/02* TIME: *13:05*
DRILLING METHOD: *8 in. HSA - Limited Access Rig*	TOTAL DEPTH: *20 feet*
DRILLING COMPANY: *Gregg Drilling, Inc.*	GEOLOGIST: *Tony Mikacich*

DEPTH (feet)	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
			Asphalt - 6 inches thick.
		CL	SANDY CLAY (CL) - brown (7.5YR 4/3), moist.
3			
6	MW-3-6.5		
9			
	MW-3-11.5	SP	POORLY GRADED SAND (SP) - brown (7.5YR 4/3), wet; 95% fine sand, 5% silt, abundant iron oxidation, abundant black organic matter.
12		SM	SILTY SAND (SM) - brown (7.5YR 4/3), wet; 80% fine sand, 20% silt, abundant iron oxidation, trace gravel.
15			
	MW-3-16.5		
18			Color changes to light olive brown (2.5Y 5/3); trace white mineralization.
	MW-3-20		
21			Bottom of boring at 20 feet bgs.

WELL DIAGRAM



JOB NUMBER: *DG93600G.4CT1*

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

IWM, Inc.

INTEGRATED WASTESTREAM MANAGEMENT, INC.
950 AMES AVENUE, MILPITAS, CA 95035
PHONE: 408.942.8955 FAX: 408.942.1499

CERTIFICATE OF DISPOSAL

Generator Name:	Chevron Products Company	Facility Name:	Chevron #9-3600
Address:	6001 Bollinger Canyon Road	Address:	2200 Telegraph Avenue
	San Ramon, CA 94583		Oakland, CA
Contact:	Bob Cochran	Facility Contact:	Tony Mikacich, Gettler-Ryan
Phone:	925-842-9500	Phone:	916-631-1300

IWM Job #:	92134-DS
Description of Waste:	5 Drum(s) of Non-Hazardous Soil
Removal Date:	April 12, 2002
Ticket #:	RSVRL120402

Transporter Information

Name:	IWM, Inc.
Address:	950 Ames Avenue
	Milpitas, CA 95035
Phone:	(408) 942-8955

Disposal Facility Information

Name:	Republic Services Vasco Road Landfill
Address:	4001 N. Vasco Road
	Livermore, CA 94550
Phone:	(925) 447-0491

IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

William T. DeLon William T. DeLon — 4/12/02

Authorized Representative (Print Name and Signature) — Date

APPENDIX C

Client/ Chevron

Facility 9-3600 Job#: 386895

Address: 2200 Telegraph Avenue Date: 4/05/02

City: Oakland, CA Sampler: TC

Well ID MW-1 Well Condition: O.K

Well Diameter 2" in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 (gal.)

PRE-DEVELOPMENT →

Total Depth 20.00 ft.

Depth to Water 11.68 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

8.32 X VF .17 = 1.4 ~~2~~ (case volume) = Estimated Purge Volume: 14.0 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: 2" STEEL BAILER

Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1258 Weather Conditions: Cloudy / Sporadic

Sampling Time: 1430 Water Color: Brown Odor: YES

Purging Flow Rate: 2½ gpm. Sediment Description: VERY SILTY / FINE SAND

Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
STEEL BAILER 1303	1.5	8.28	1118	65.8			
1308	3.0	8.18	1121	66.1			
1311	4.5	8.16	1136	66.2			
1316	6.0	8.20	1121	66.4			
1319	7.5	8.07	1116	66.8			
1323	9.0	8.10	1133	66.5			
1327	10.5	8.00	1140	66.6			
TURN 1332	12.0	7.62	1267	66.9			
1334	13.5	7.41	1281	66.7			
1336	14.0	7.22	1302	66.6			
1406	40½	7.10	1364	66.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 X VOA VIAL	Y	HCL	LANCASTER	TPH-D; BTEX / MTBE
					(5) OXYS 8260

COMMENTS: WATER WAS VERY SILTY / PURGED AN EXTRA 26½ Gal. TO CLEAN UP WATER / AFTER PURGING 40½ Gal. WATER WAS CLEAR. WELL DEPTH AFTER DEVELOPMENT = 20.00

FIELD DATA SHEET

Client/ Chevron
Facility 9-3600 Job#: 386895
Address: 2200 Telegraph Avenue Date: 4/05/02
City: Oakland, CA Sampler: TL

Well ID MW-2 Well Condition: o.k
Well Diameter 2" in. Hydrocarbon Thickness: 0 Ft. Amount Bailed (product/water): 0 (gal.)
PRE-DEVELOPMENT → Total Depth 19.98 ft.
Depth to Water 11.17 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.81 x VF .17 = 1.4 X3 (case volume) = Estimated Purge Volume: 15.9 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; ~~Submersible~~; Grundfos; (Other) 2" STEEL BAILER
Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 1137 Weather Conditions: Part. Cloudy
Sampling Time: 1413 Water Color: BROWN Odor: NO
Purging Flow Rate: — gpm. Sediment Description: Silty/FINE SAND
Did well de-water? yes If yes; Time: 1200 Volume: 7½ (gal.)
LET RECOVER FOR 10 MIN

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
STEEL BAILER 1140	1.5	7.16	1321	67.9			
1145	3.0	7.28	1221	67.1			
1150	4.5	7.38	1226	67.0			
1155	6.0	7.48	1232	66.9			
1159	7.5	7.41	1230	67.2			
1213	9.0	7.38	1240	67.0			
1218	10.5	7.26	1296	66.4			
1227	12.0	7.16	1320	66.5			
1235	13.5	7.11	1318	66.9			
1243	15.0	7.10	1320	66.7			

* LET WELL RECOVER, THEN RETURNED TO SAMPLE

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 VOA VIAL	4	HCL	LANCASTER	TPH-G/BTEX/MTBE
					(5) OXYS 8260

COMMENTS: *WELL HAS SLOW RECOVERY / WATER STARTED CLEARING-UP AT 10½ GAL. NO NEED PURGE EXTRA WATER / AFTER 15 GAL WATER WAS CLOUDY- AFTER DEVELOPMENT WELL DEPTH @ 20.00' 9/97-fieldat.frm

FIELD DATA SHEET

Client/ Chevron
Facility 9-3600 Job#: 386895
Address: 2200 Telegraph Avenue Date: 4/05/02
City: Oakland, CA Sampler: TC

Well ID MW-3 Well Condition: O.k
Well Diameter 2" in. Hydrocarbon Thickness: 0 Ft. Amount Bailed (product/water): 0 (gal.)
PRE-DEVELOPMENT → Total Depth 20.00 ft.
Depth to Water 11.29 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

8.71 X VF .17 = 1.4 X10 (case volume) = Estimated Purge Volume: 15.0 (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, (Suction), Grundfos, (Other: 2" STEEL BAILER)
Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1000 Weather Conditions: cloudy
Sampling Time: 1111 Water Color: BROWN Odor: NO
Purging Flow Rate: 2.0 gpm. Sediment Description: SILTY
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1006	1.5	8.19	986	67.5			
1011	3.0	8.00	1026	67.3			
1016	4.5	7.91	1121	67.0			
1024	6.0	7.62	1118	66.8			
1029	7.5	7.56	1134	66.9			
1038	9.0	7.74	1216	67.4			
1040	10.5	7.64	1248	67.1			
1042	12.0	7.51	1256	66.8			
1046	13.5	7.32	1288	67.0			
1048	15.0	7.48	1273	67.4			
1101	37.5	7.12	1222	67.2			

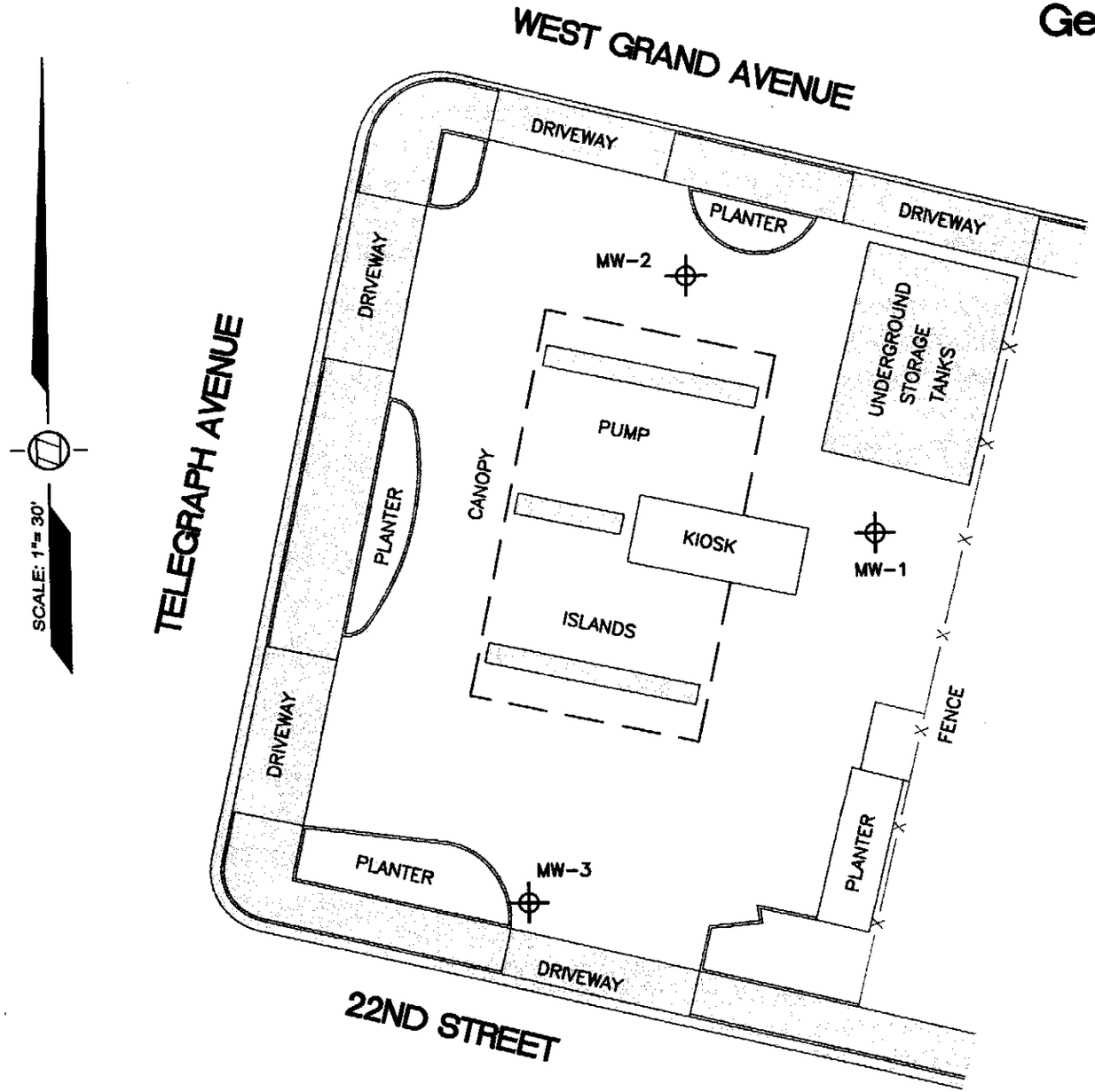
LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 X VOA VIAL	Y	HCL	LANCASTER	TPH-G/ BTEX/MTBE
					(5) Oxys 8260

COMMENTS: WATER WAS VERY SILTY PURGED AN EXTRA 22½ GAL. AFTER 37½ GAL WATER WAS CLEAR. REPLACED LOCK W/ 3910
WELL DEPTH AFTER DEVELOPMENT = 20.00

APPENDIX D

Monitoring Well Exhibit
Prepared for:
Gettler-Ryan



DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV
MW-1	2122776.7	6050793.6	37.8115054	-122.2685703	1
MW-2	2122827.1	6050757.7	37.8116417	-122.2686978	1
MW-3	2122705.4	6050725.3	37.8113059	-122.2688019	1

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.

COORDINATE DATUM IS NAD 83(1986).

DATUM ELLIPSOID IS GRS80.

REFERENCE GEOID IS NGS96.

CORS STATIONS USED WERE DIAB AND POTB.

ELEVATIONS ARE BASED ON CITY OF OAKLAND BENCHMARK NO. 37JC. ELEVATION = 17.68

Chevron Station No. 9-3600
2200 Telegraph Avenue
Oakland

Morrow Surveying

1450 Harbor Blvd. Ste.
West Sacramento
California 95691

APPENDIX E

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 800445. Samples arrived at the laboratory on Friday, March 15, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description			Lancaster Labs Number
MW-1-S-6.5-020312	Grab	Soil	3788880
MW-1-S-11.5-020312	Grab	Soil	3788881
MW-1-S-16.5-020312	Grab	Soil	3788882
MW-1-S-20-020312	Grab	Soil	3788883
MW-2-S-6.5-020312	Grab	Soil	3788884
MW-2-S-11.5-020312	Grab	Soil	3788885
MW-2-S-16.5-020312	Grab	Soil	3788886
MW-2-S-20-020312	Grab	Soil	3788887
MW-3-S-6.5-020312	Grab	Soil	3788888
MW-3-S-11.5-020312	Grab	Soil	3788889
MW-3-S-16.5-020312	Grab	Soil	3788890
MW-3-S-20-020312	Grab	Soil	3788891

METHODOLOGY

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

1 COPY TO Gettler-Ryan, Inc Attn: Tony Mikacich

Lancaster Laboratories
Where quality is a science.

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

Respectfully Submitted,

Steven A Skiles
Steven A. Skiles
Sr. Chemist

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788880

Collected:03/12/2002 10:21 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:15
Discard: 03/30/2002
MW-1-S-6.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/18/2002 22:54	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	03/18/2002 22:54	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:00	Stephanie A Selis	n.a.

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788881

Collected:03/12/2002 10:27 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:15
Discard: 03/30/2002
MW-1-S-11.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01726	TPH-GRO - Soils					
01727	TPH-GRO - Soils	n.a.	3.2	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	0.015	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.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/18/2002 23:31	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	03/18/2002 23:31	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:01	Stephanie A Selis	n.a.

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788882

Collected:03/12/2002 10:31 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:15
Discard: 03/30/2002
MW-1-S-16.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 00:08	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 00:08	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:02	Stephanie A Selis	n.a.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788883

Collected:03/12/2002 10:35 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-1-S-20-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 00:45	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 00:45	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:03	Stephanie A Selis	n.a.

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788884

Collected:03/12/2002 09:03 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-2-S-6.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 01:22	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 01:22	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:04	Stephanie A Selis	n.a.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788885

Collected:03/12/2002 09:07 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-2-S-11.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 00:22	Martha L Seidel	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 00:22	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:05	Stephanie A Selis	n.a.

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788886

Collected:03/12/2002 09:14 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-2-S-16.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 01:00	Martha L Seidel	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 01:00	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:06	Stephanie A Selis	n.a.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788887

Collected:03/12/2002 09:20 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-2-S-20-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 01:37	Martha L Seidel	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 01:37	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:07	Stephanie A Selis	n.a.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788888

Collected:03/12/2002 11:45 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-3-S-6.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 02:15	Martha L Seidel	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 02:15	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:08	Stephanie A Selis	n.a.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788889

Collected:03/12/2002 11:49 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-3-S-11.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 02:52	Martha L Seidel	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 02:52	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:09	Stephanie A Selis	n.a.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788890

Collected:03/12/2002 11:54 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-3-S-16.5-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 03:30	Martha L Seidel	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 03:30	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:10	Stephanie A Selis	n.a.

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788891

Collected:03/12/2002 11:58 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/22/2002 at 00:16
Discard: 03/30/2002
MW-3-S-20-020312 Grab Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA MW-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/19/2002 04:07	Martha L Seidel	25
02160	BTEX/MTBE	SW-846 8021B	1	03/19/2002 04:07	Martha L Seidel	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 06:11	Stephanie A Selis	n.a.

Lancaster Laboratories
Where quality is a science

Quality Control Summary

Client Name: Chevron Products Company
Group Number: 800445
Reported: 03/22/02 at 12:16 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02077A31A	Sample number(s): 3788885-3788891							
TPH-GRO - Soils	N.D.	1.	mg/kg	78		75-117		
Benzene	N.D.	.005	mg/kg	104		84-132		
Toluene	N.D.	.005	mg/kg	104		88-116		
Ethylbenzene	N.D.	.005	mg/kg	103		87-127		
Total Xylenes	N.D.	.015	mg/kg	104		88-120		
MTBE	N.D.	.05	mg/kg	100		64-158		
Batch number: 02077A33C	Sample number(s): 3788880-3788884							
TPH-GRO - Soils	N.D.	1.	mg/kg	80		75-117		
Benzene	N.D.	.005	mg/kg	101		84-132		
Toluene	N.D.	.005	mg/kg	100		88-116		
Ethylbenzene	N.D.	.005	mg/kg	102		87-127		
Total Xylenes	N.D.	.015	mg/kg	102		88-120		
MTBE	N.D.	.05	mg/kg	95		64-158		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02077A31A	Sample number(s): 3788885-3788891								
TPH-GRO - Soils	60	63	44-116	6	30				
Benzene	107	113	56-142	5	30				
Toluene	83	87	66-120	4	30				
Ethylbenzene	89	93	66-131	4	30				
Total Xylenes	83	87	67-122	4	30				
MTBE	90	91	42-163	2	30				
Batch number: 02077A33C	Sample number(s): 3788880-3788884								
TPH-GRO - Soils	72	79	44-116	9	30				
Benzene	111	119	56-142	7	30				
Toluene	86	91	66-120	6	30				
Ethylbenzene	97	102	66-131	6	30				
Total Xylenes	89	94	67-122	5	30				
MTBE	132	144	42-163	8	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
Batch number: 02077A31A

	Trifluorotoluene-F	Trifluorotoluene-P
3788885	78	99
3788886	74	93

*- 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.

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

Lancaster Laboratories
Where quality is a science

Quality Control Summary

Client Name: Chevron Products Company Group Number: 800445
Reported: 03/22/02 at 12:16 AM

Surrogate Quality Control

3788887	80	99
3788888	81	97
3788889	77	92
3788890	80	97
3788891	76	96
Blank	81	104
LCS	88	104
MS	77	90
MSD	79	93
Limits:	61-127	68-122

Analysis Name: TPH-GRO - Soils
Batch number: 02077A33C

	Trifluorotoluene-F	Trifluorotoluene-P
3788880	97	100
3788881	96	98
3788882	92	96
3788883	93	96
3788884	97	98
Blank	108	105
LCS	97	105
MS	95	96
MSD	100	103
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.

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: ~~10905~~ 10992 For Lancaster Laboratories use only Sample #: 378886-91 SCR#:
378887

Facility #: 9-3600
Site Address: 2200 Telegraph AVE., OAKLAND
Chevron PM: Tom Bauhs Lead Consultant: Delta/GR
Consultant/Office: Gettler-Ryan Inc./Rancho Cordova
Consultant Prj. Mgr.: Tony Mikacich
Consultant Phone #: (916) 631-1300 Fax #: (916) 631-1317
Sampler: Tony Mikacich
Service Order #: DG9360006.4CT1 ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	~~Oxygenates~~ TOTAL Lead 6010B	Lead 7420 ☐ 7421 ☐
MW-1-6.5	03/12/02	10:21	X		X			1	X	/				
MW-1-11.5		10:27						1						
MW-1-16.5		10:31						1						
MW-1-20		10:35						1						
MW-2-6.5		9:03						1						
MW-2-11.5		9:07						1						
MW-2-16.5		9:14						1						
MW-2-20		9:20						1						
MW-3-6.5		11:45						1						
MW-3-11.5		11:49						1						
MW-3-16.5		11:54						1						
MW-3-20		11:58						1						
SP-1-4		12:08		X				4						X

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

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

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

Comments / Remarks
(4:1 Composite)
(48hr. TAT)

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
Tony Mikacich	03/14/02	4:30			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
				3/15/02	0940
Temperature Upon Receipt 3 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Chevron California Region Analysis Request/Chain of Custody

2052

Lancaster Laboratories
Where quality is a science.

Acct. #: ~~10905~~ 10992 For Lancaster Laboratories use only Sample #: 378886-91 SCR#: _____
378887

Facility #: 9-3600
Site Address: 2200 Telegraph AVE., OAKLAND
Chevron PM: Tom Bauhs Lead Consultant: DeHA/GR
Consultant/Office: Gettler-Ryan Inc./Rancho Cordova
Consultant Prj. Mgr.: Tony Mikacich
Consultant Phone #: (916) 631-1300 Fax #: (916) 631-1317
Sampler: Tony Mikacich
Service Order #: DG93600G.4CT1 ☐ Non SAR: _____

Matrix: Potable ☐ NPDES ☐ | Soil | Water | Oil ☐ Air ☐

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☒	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐ Total Lead GC/DB
MW-1-6.5	03/12/02	10:21	X		X			1						
MW-1-11.5		10:27						1						
MW-1-16.5		10:31						1						
MW-1-20		10:35						1						
MW-2-6.5		9:03						1						
MW-2-11.5		9:07						1						
MW-2-16.5		9:14						1						
MW-2-20		9:20						1						
MW-3-6.5		11:45						1						
MW-3-11.5		11:49						1						
MW-3-16.5		11:54						1						
MW-3-20		11:58						1						
SP-1-4		12:08		X				4						X

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

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

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

Comments / Remarks
(4:1 Composite)
(48hr. TAT)

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
Tony Mikacich	03/14/02	4:30			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other _____			Received by:	Date	Time
				3/15/02	0940
Temperature Upon Receipt 3 C°			Custody Seals Intact? Yes No		

3460 Rev. 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.

Analysis Report

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 800440. Samples arrived at the laboratory on Friday, March 15, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description		Lancaster Labs Number
SP-1-4-S-020312	Composite Soil	3788871

METHODOLOGY

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

1 COPY TO Gettler-Ryan, Inc Attn: Tony Mikacich

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

Respectfully Submitted,

Steven A. Skiles
Sr. Chemist

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788871

Collected:03/12/2002 12:08 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/20/2002 at 13:13
Discard: 03/28/2002
SP-1-4-S-020312 Composite Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA SP1-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	110.	0.80	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 was preserved in methanol. The reporting limits were adjusted appropriately.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01655	Lead	SW-846 6010B	1	03/19/2002 15:53	David K Beck	1
01726	TPH-GRO - Soils	N. CA LUFT Gasoline Method	1	03/18/2002 07:27	Stephanie A Selis	25
02160	BTEX/MTBE	SW-846 8021B	1	03/18/2002 07:27	Stephanie A Selis	25
01150	GC VOA Soil Prep	SW-846 5035	1	03/18/2002 01:15	Stephanie A Selis	n.a.
05708	SW SW846 ICP Digest	SW-846 3050B	1	03/18/2002 06:40	Liana C Jones	1

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3788871

Collected:03/12/2002 12:08 by TM

Account Number: 10992

Submitted: 03/15/2002 09:40
Reported: 03/20/2002 at 13:13
Discard: 03/28/2002
SP-1-4-S-020312 Composite Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av-Oakland NA SP1-4

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

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
Group Number: 800440
Reported: 03/20/02 at 01:13 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 020775708001	Sample number(s): 3788871							
Lead	N.D.	.82	mg/kg	100		86-109		
Batch number: 02077A33A	Sample number(s): 3788871							
TPH-GRO - Soils	N.D.	1.	mg/kg	80		75-117		
Benzene	N.D.	.005	mg/kg	101		84-132		
Toluene	N.D.	.005	mg/kg	100		88-116		
Ethylbenzene	N.D.	.005	mg/kg	102		87-127		
Total Xylenes	N.D.	.015	mg/kg	102		88-120		
MTBE	N.D.	.05	mg/kg	95		64-158		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 020775708001	Sample number(s): 3788871								
Lead	139*	80	75-125	18	20	110.	175.	46*	20
Batch number: 02077A33A	Sample number(s): 3788871								
TPH-GRO - Soils	72	79	44-116	9	30				
Benzene	111	119	56-142	7	30				
Toluene	86	91	66-120	6	30				
Ethylbenzene	97	102	66-131	6	30				
Total Xylenes	89	94	67-122	5	30				
MTBE	132	144	42-163	8	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
Batch number: 02077A33A

	Trifluorotoluene-F	Trifluorotoluene-P
3788871	96	96
Blank	101	108
LCS	97	105
MS	95	96
MSD	100	103
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.

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

Chevron California Region Analysis Request/Chain of Custody

1 of 2

Lancaster Laboratories
Where quality is a science.

Acct. #: 10992 ~~10905~~ For Lancaster Laboratories use only Sample #: 378886-91 SCR#:
378887

Facility #: 9-3600
Site Address: 2200 Telegraph AVE., OAKLAND
Chevron PM: Tom Bahls Lead Consultant: Delta/GR
Consultant/Office: Gettler-Ryan Inc./Rancho Cordova
Consultant Prj. Mgr.: Tony Mikacich
Consultant Phone #: (916) 631-1300 Fax #: (916) 631-1317
Sampler: Tony Mikacich
Service Order #: DG936006.4CT1 ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐ Potable ☐ NPDES	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	~~Oxygenates~~ TOTAL Lead 6010B	Lead 7420 ☐ 7421
MW-1-6.5	03/12/02	10:21	X		X			1						
MW-1-11.5		10:27						1						
MW-1-16.5		10:31						1						
MW-1-20		10:35						1						
MW-2-6.5		9:03						1						
MW-2-11.5		9:07						1						
MW-2-16.5		9:14						1						
MW-2-20		9:20						1						
MW-3-6.5		11:45						1						
MW-3-11.5		11:49						1						
MW-3-16.5		11:54						1						
MW-3-20		11:58						1						
SP-1-4		12:08		X				4						X

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

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

Comments / Remarks: (4:1 Composite) (48hr. TAT)

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

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

	Date	Time		Date	Time
Relinquished by: Tony Mikacich	03/14/02	4:30	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by: UNOCAL	3/15/02	0940
Temperature Upon Receipt 3 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Chevron California Region Analysis Request/Chain of Custody

2052

Lancaster Laboratories
Where quality is a science.

Acct. #: ~~10905~~ 10992 For Lancaster Laboratories use only Sample #: 3788880-91 3788871 SCR#:

Facility #: 9-3600
Site Address: 2200 Telegraph AVE., OAKLAND
Chevron PM: Tom Bauhs Lead Consultant: DELTA/GR
Consultant/Office: Gettler-Ryan Inc./Rancho Cordova
Consultant Prj. Mgr.: Tony Mikacich
Consultant Phone #: (916) 631-1300 Fax #: (916) 631-1317
Sampler: Tony Mikacich
Service Order #: DG936006.4CT1 ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☒	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	~~Oxygenates~~ Total Lead 6010B	Lead 7420 ☐ 7421
MW-1-6.5	03/12/02	10:21	X		X				1						
MW-1-11.5		10:27							1						
MW-1-16.5		10:31							1						
MW-1-20		10:35							1						
MW-2-6.5		9:03							1						
MW-2-11.5		9:07							1						
MW-2-16.5		9:14							1						
MW-2-20		9:20							1						
MW-3-6.5		11:45							1						
MW-3-11.5		11:49							1						
MW-3-16.5		11:54							1						
MW-3-20		11:58							1						
SP-1-4		12:08		X					4						X

Matrix: ☐ Potable ☐ NPDES

Analyses Requested / Preservation Codes

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

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

Comments / Remarks
(4:1 Composite)
(48hr. TAT)

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
Tony Mikacich	03/14/02	4:30			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS (FedEx) Other			Received by:	Date	Time
Temperature Upon Receipt 3 C°			Custody Seals Intact? (Yes) No	3/15/02	0940

3460 Rev. 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.

Analysis Report

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 800970. Samples arrived at the laboratory on Wednesday, March 20, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description		Lancaster Labs Number
SP-1-4-S-020312	Composite Soil	3791586
SP-1-4-S-020312	Composite Soil	3791587

METHODOLOGY

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

1 COPY TO Gettler Ryan Attn: Tony Mikacich

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

Respectfully Submitted,

Erik J. Frederiksen
Group Leader

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. SW 3791586

Collected:03/12/2002 12:08 by TM

Account Number: 10992

Submitted: 03/20/2002 15:43
Reported: 04/01/2002 at 21:05
Discard: 04/16/2002
SP-1-4-S-020312 Composite Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 GRRC
2200 Telegraph Av Oakland NA SP1-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01655	Lead	7439-92-1	74.5	0.80	mg/kg	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01655	Lead	SW-846 6010B	1	03/22/2002 10:55	Joanne M Gates	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	03/21/2002 21:15	Annamaria Stipkovits	1

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. TL 3791587

Collected:03/12/2002 12:08 by TM

Account Number: 10992

Submitted: 03/20/2002 15:43
Reported: 04/01/2002 at 21:05
Discard: 04/16/2002
SP-1-4-S-020312 Composite Soil

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 STLC NON-VOA LEACH EXT GRRC
2200 Telegraph Av Oakland NA SP1-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01755	Lead	7439-92-1	3,340.	8.8	ug/l	1

state of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01755	Lead	SW-846 6010B	1	04/01/2002 03:22	Donna R Sackett	1
01435	Non-volatile WET	CCR Sec. 66700 WET, Title 22	1	03/23/2002 11:30	Kenneth A Yingst	n.a.
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	03/28/2002 16:30	Irimar Leon	1

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

Lancaster Laboratories
Where Quality is a Science.

Quality Control Summary

Client Name: Chevron Products Company
Group Number: 800970
Reported: 04/01/02 at 09:05 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 020805708003	Sample number(s): 3791586							
Lead	N.D.	.82	mg/kg	97		86-109		
Batch number: 020875705005	Sample number(s): 3791587							
Lead	N.D.	.0088	mg/l	98		94-110		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 020805708003	Sample number(s): 3791586								
Lead	99	141*	75-125	19	20	48.6	36.2	29* (1)	20
Batch number: 020875705005	Sample number(s): 3791587								
Lead	84	88	75-125	4	20	0.0761	0.0766	1 (1)	20

*- 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.

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

Chevron California Region Analysis Request/Chain of

Lancaster Laboratories
Where quality is a science.

Acct. #: ~~10905~~ 10992 For Lancaster Laboratories use only Sample #: 378886-91 378887 SCR#:

Facility #: 9-3600
Site Address: 2200 Telegraph AVE., OAKLAND
Chevron PM: Tom Bauhs Lead Consultant: Delta/GR
Consultant/Office: Getler-Ryan Inc./Rancho Cordova
Consultant Prj. Mgr.: Tony Mikacich
Consultant Phone #: (916) 631-1300 Fax #: (916) 631-1317
Sampler: Tony Mikacich
Service Order #: DG936006.4CT1 ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	~~Oxygenates~~ TOTAL Lead	Lead 7420 ☐ 7421 ☐ GC/OB
MW-1-6.5	03/12/02	10:21	X		X			1						
MW-1-11.5		10:27						1						
MW-1-16.5		10:31						1						
MW-1-20		10:35						1						
MW-2-6.5		9:03						1						
MW-2-11.5		9:07						1						
MW-2-16.5		9:14						1						
MW-2-20		9:20						1						
MW-3-6.5		11:45						1						
MW-3-11.5		11:49						1						
MW-3-16.5		11:54						1						
MW-3-20		11:58						1						
SP-1-4		12:08		X				4						X

Analyses Requested / Preservation Codes

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

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

Comments / Remarks: (4:1 Composite) (48hr. TAT)

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

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Tony Mikacich	03/14/02	4:30			
2						
3						
4	Relinquished by Commercial Carrier: UPS FedEx Other			Received by: Unoiena	3/15/02	0945
	Temperature Upon Receipt 3 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Analysis Report

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 803200. Samples arrived at the laboratory on Tuesday, April 09, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description			Lancaster Labs Number
QA-T-020405	NA	Water	3801807
MW-1-W-020405	Grab	Water	3801808
MW-2-W-020405	Grab	Water	3801809
MW-3-W-020405	Grab	Water	3801810

METHODOLOGY

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

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

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

Lancaster Laboratories
Where quality is a science.

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

Respectfully Submitted,

Steven A Skiles
Steven A. Skiles
Sr. Chemist

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3801807

Collected:04/05/2002 00:00

Account Number: 10905

Submitted: 04/09/2002 09:10
Reported: 04/19/2002 at 21:02
Discard: 05/20/2002
QA-T-020405 NA Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
2200 TELEGRAPH AV-OAKLAND NA QA

Q3600

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/11/2002 01:17	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	04/11/2002 01:17	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/11/2002 01:17	Melissa D Mann	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3801808

Collected:04/05/2002 14:30 by TC

Account Number: 10905

Submitted: 04/09/2002 09:10
Reported: 04/19/2002 at 21:02
Discard: 05/20/2002
MW-1-W-020405 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
3600 TELEGRAPH AV-OAKLAND NA NA

13600

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	2,000.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	5.0	0.50	ug/l	1
00777	Toluene	108-88-3	N.D. #	1.0	ug/l	1
00778	Ethylbenzene	100-41-4	14.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	8.4	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	310.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for toluene. The presence or concentration of this compound cannot be determined due to the presence of this interferent.					
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	370.	2.	ug/l	2
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	10.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	200.	100.	ug/l	1

State of California Lab Certification No. 2116

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3801808

Collected:04/05/2002 14:30 by TC

Account Number: 10905

Submitted: 04/09/2002 09:10
Reported: 04/19/2002 at 21:02
Discard: 05/20/2002
MW-1-W-020405 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
3600 TELEGRAPH AV-OAKLAND NA NA

13600

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/11/2002 05:57	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	04/11/2002 05:57	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	04/10/2002 20:22	Patricia L Nolt	1
01595	Oxygenates by 8260B	SW-846 8260B	1	04/11/2002 01:01	Patricia L Nolt	2
01146	GC VOA Water Prep	SW-846 5030B	1	04/11/2002 05:57	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2002 20:22	Patricia L Nolt	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3801809

Collected:04/05/2002 14:13 by TC

Account Number: 10905

Submitted: 04/09/2002 09:10
Reported: 04/19/2002 at 21:02
Discard: 05/20/2002
MW-2-W-020405 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
3600 TELEGRAPH AV-OAKLAND NA NA

23600

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3801809

Collected:04/05/2002 14:13 by TC

Account Number: 10905

Submitted: 04/09/2002 09:10
Reported: 04/19/2002 at 21:02
Discard: 05/20/2002
MW-2-W-020405 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
3600 TELEGRAPH AV-OAKLAND NA NA

23600

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/11/2002 05:22	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	04/11/2002 05:22	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	04/10/2002 20:47	Patricia L Nolt	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/11/2002 05:22	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2002 20:47	Patricia L Nolt	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3801810

Collected:04/05/2002 11:11 by TC

Account Number: 10905

Submitted: 04/09/2002 09:10
Reported: 04/19/2002 at 21:02
Discard: 05/20/2002
MW-3-W-020405 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
3600 TELEGRAPH AV-OAKLAND NA NA

33600

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	0.59	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

#=Laboratory MethodDetection Limit Exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3801810

Collected:04/05/2002 11:11 by TC

Account Number: 10905

Submitted: 04/09/2002 09:10
Reported: 04/19/2002 at 21:02
Discard: 05/20/2002
MW-3-W-020405 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93600 Job# 386895 GRD
3600 TELEGRAPH AV-OAKLAND NA NA

33600

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	04/11/2002 10:02	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	04/11/2002 10:02	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	04/10/2002 21:13	Patricia L Nolt	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/11/2002 10:02	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2002 21:13	Patricia L Nolt	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
Group Number: 803200
Reported: 04/19/02 at 09:03 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02100A56A	Sample number(s): 3801807-3801809							
Benzene	N.D.	0.5	ug/l	100	101	80-118	1	30
Toluene	N.D.	0.5	ug/l	100	102	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	97	101	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	99	102	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	103	103	79-127	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	93	95	76-126	2	30
Batch number: 02100A56B	Sample number(s): 3801810							
Benzene	N.D.	0.5	ug/l	100	101	80-118	1	30
Toluene	N.D.	0.5	ug/l	100	102	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	97	101	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	99	102	82-120	3	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	103	103	79-127	0	30
TPH-GRO - Waters	N.D.	50.	ug/l	93	95	76-126	2	30
Batch number: U021001AB	Sample number(s): 3801808-3801810							
Methyl t-butyl ether	N.D.	2.	ug/l	97		77-127		
di-Isopropyl ether	N.D.	2.	ug/l	98		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	100		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	97		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	86		59-139		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02100A56A	Sample number(s): 3801807-3801809								
Benzene	111		77-131						
Toluene	112		80-128						
Ethylbenzene	112		76-132						
Total Xylenes	112		76-132						
Methyl tert-Butyl Ether	103		61-144						
TPH-GRO - Waters	92		74-132						
Batch number: 02100A56B	Sample number(s): 3801810								
Benzene	111		77-131						
Toluene	112		80-128						
Ethylbenzene	112		76-132						
Total Xylenes	112		76-132						
Methyl tert-Butyl Ether	103		61-144						
TPH-GRO - Waters	92		74-132						
Batch number: U021001AB	Sample number(s): 3801808-3801810								
Methyl t-butyl ether	101	94	69-134	7	30				
di-Isopropyl ether	104	102	68-133	2	30				
Ethyl t-butyl ether	103	100	73-123	3	30				

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

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

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
Group Number: 803200
Reported: 04/19/02 at 09:03 PM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
t-Amyl methyl ether	102	99	69-118	3	30				
t-Butyl alcohol	84	81	51-148	3	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 02100A56A

	Trifluorotoluene-F	Trifluorotoluene-P
3801807	92	99
3801808	113	96
3801809	86	99
Blank	89	99
LCS	101	99
LCSD	100	99
MS	103	99
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02100A56B

	Trifluorotoluene-F	Trifluorotoluene-P
3801810	90	99
Blank	90	99
LCS	101	99
LCSD	100	99
MS	103	99
Limits:	67-135	71-130

Analysis Name: Oxygenates by 8260B
Batch number: U021001AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3801808	91	89	97	96
3801809	93	94	94	93
3801810	94	95	96	93
Blank	93	93	94	91
LCS	94	95	94	92
MS	94	92	95	95
MSD	94	94	95	95
Limits:	86-118	80-120	88-110	86-115

*- 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.

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

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
Reported: 04/19/02 at 09:03 PM

Group Number: 803200

*- 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.

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories *Where quality is a science.*

021080 2-005

For Lancaster Laboratories use only
Acct. #: 10905 Sample #: 380180 2-10 SCR#:

Facility #: 9-3600 Job #386895 Global ID#NA
Site Address: 2200 TELEGRAPH AVE., OAKLAND, CA
Chevron PM: Tom Bauhs Lead Consultant: Delta/G-R
Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568
Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Tony CAMARDA
Service Order #: ☐ Non SAR:

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

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable ☐ NPDES ☐)	Matrix: Oil ☐ Air ☐	Total Number of Containers	Analyses Requested: Preservation Codes	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup ☐	8260 full scan	5 Oxygenates 8260	Lead 7420 ☐ 7421 ☐
QA	4/05/02	—	X			X		2	H H	X	X				
MW-1		1430	X			X		6		X	X			X	
MW-2		1413	X			X		6		X	X			X	
MW-3	↓	1111	X			X		6		X	X			X	

Comments / Remarks

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

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

	Date	Time		Date	Time
Relinquished by:	4/05/02	1345	Received by:	4/8/02	124
Relinquished by:	4/8/02	1245	Received by:	4/8/02	1245
Relinquished by:	4/8/02	1345	Received by:	4/8/02	
Relinquished by Commercial Carrier: Air Borne			Received by:	4/9/02	0910
UPS FedEx Other					
Temperature Upon Receipt 5.5 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
CHEVRON SERVICE STATION
2200 TELEGRAPH AVENUE, BERKELEY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHmo (TOG)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*VOCs*	*SVOCs*	*Cd*	*Cr*	*Ni*	*Pb*	*Zn*
					Reported in milligrams per kilogram (mg/Kg)												
2002 Delta Monitoring Well Installation																	
MW-1	3/12/2002	6.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-1	3/12/2002	11.5	--	--	**3.20**	<0.005	<0.005	**0.15**	<0.15	<0.05	--	--	--	--	--	--	--
MW-1	3/12/2002	16.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-1	3/12/2002	20	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-2	3/12/2002	6.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-2	3/12/2002	11.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-2	3/12/2002	16.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-2	3/12/2002	20	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-3	3/12/2002	6.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-3	3/12/2002	11.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-3	3/12/2002	16.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
MW-3	3/12/2002	20	--	--	<1.0	<0.005	<0.005	<0.005	<0.15	<0.05	--	--	--	--	--	--	--
2000 Gettler-Ryan Baseline Investigation																	
B-1	11/8/2000	6	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	32	--
B-1	11/8/2000	10	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	10	--
B-2	11/8/2000	6	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	9.6	--
B-2	11/8/2000	10	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	6.2	--
B-3	11/8/2000	5	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	27	--
B-4	11/8/2000	5	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	26	--
B-4	11/8/2000	10	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	27	--
B-5	11/8/2000	5	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	17	--
B-5	11/8/2000	10	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	8.9	--
B-6	11/8/2000	5	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	27	--
B-6	11/8/2000	10	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	3.6	--
B-7	11/8/2000	5	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	6.5	--
B-7	11/8/2000	10	--	--	<1.0	<.005	<.005	<.005	<.005	<.005	--	--	--	--	--	6.8	--
1994 Touchstone Product-Line Removal and Sampling Report																	
P-1	7/25/1994	4.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-2	7/25/1994	4.5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-3	7/25/1994	5	--	--	<1.0	<0.005	**0.012**	**0.008**	**0.045**	--	--	--	--	--	--	--	--
P-4	7/25/1994	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
P-5	7/25/1994	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--

TABLE 1

CUMULATIVE SOIL ANALYTICAL DATA
CHEVRON SERVICE STATION
2200 TELEGRAPH AVENUE, BERKELEY, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHmo (TOG)*	*TPHd*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*VOCs*	*SVOCs*	*Cd*	*Cr*	*Ni*	*Pb*	*Zn*
			Reported in milligrams per kilogram (mg/Kg)														
P-6	7/25/1994	5.5	--	--	**3.6**	<0.005	**0.03**	**0.012**	**1.3**	--	--	--	--	--	--	--	--
P-7	7/25/1994	5.5	--	--	<1.0	<0.005	**0.005**	<0.005	**0.007**	--	--	--	--	--	--	--	--
P-8	7/25/1994	5	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--	--	--
1986 Blaine Tech Services Tank Pit Sampling																	
#2	10/27/1986	13	--	--	**4.5**	--	--	--	--	--	--	--	--	--	--	--	--
#3	10/27/1986	13	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
#1	10/29/1986	2.5	--	--	**15**	--	--	--	--	--	--	--	--	--	--	--	--
#2	10/29/1986	2	--	--	**44**	--	--	--	--	--	--	--	--	--	--	--	--
#3	10/29/1986	2	--	--	**1.4**	--	--	--	--	--	--	--	--	--	--	--	--
#4	10/29/1986	2	--	--	<1.0	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M
Benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8021B
Lead by EPA Method 6010B
fbg = Feet below grade
* = unknown laboratory methods
** = Waste Extraction Test (WET) Method
<x = Not detected above method detection limit

CUMULATIVE GRAB-GROUNDWATER ANALYTICAL DATA
CHEVRON SERVICE STATION # 9-3600
2200 TELEGRAPH AVE., OAKLAND, CALIFORNIA

Sample ID	*Date*	*Sample Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*1,2-DCA*	*EDB*	*Ethanol*
			Reported in micrograms per liter (µg/L) unless otherwise noted												
2002 Delta Well Installation															
MW-1	4/5/2002	12	2,000	5	<1.0	14	8.4	370	<200	<2	<2	10	--	--	--
MW-2	4/5/2002	11	<50	<0.50	<0.50	<0.50	<1.5	<2.0	<100	<2	<2	<2	--	--	--
MW-3	4/5/2002	11	<50	<0.50	0.59	<0.50	<1.5	<2.0	<100	<2	<2	<2	--	--	--
2000 Gettler-Ryan Baseline Investigation															
B-1	11/8/2000	12.50	**29,000**	**180**	<20	**2,200**	**1,100**	**730**	**380**	<20	<20	<20	<20	<20	<200
B-7	11/8/2000	15.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.50	<0.50	<0.50	<0.5	<0.5	<5.0
1992 Groundwater Technology Inc. Monitoring and Sampling Event of Vadose Well 2-1															
VW-2-1	10/13/1992	--	**42,000**	**3,300**	**7,100**	**540**	**10,000**	--	--	--	--	--	--	--	
1986 Blaine Tech Services Tank Pit Sampling*															
#1	10/24/1986	--	**480,000**	**10,000**	<500	--	<500	--	--	--	--	--	--	--	

Notes:

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

fbg = feet below grade

<x = Not detected at reporting lin

* = Laboratory methods not available

-- = Not analyzed or not applicable

GETTLER-RYAN INC.

TRANSMITTAL

November 12, 2008
G-R #386895

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

CC: Mr. Aaron Costa
Chevron EMC
6111 Bollinger Canyon Road
Room 3660
San Ramon, California 94583
(VIA PDF)

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-3600
2200 Telegraph Avenue
Oakland, California
RO 0002435

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	November 6, 2008	Groundwater Monitoring and Sampling Report **Fourth Quarter Event of October 9, 2008**

COMMENTS:

Pursuant to your request, we are providing you with a copy of the above referenced report for **your use and distribution to the following (via PDF):**

Mr. Steven Plunkett, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
(Distributed by Conestoga-Rovers & Associates via PDF)

Enclosures

trans/9-3600-AC

Aaron Costa
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2961
Fax (925) 543-2324
acosta@chevron.com

November 12, 2008

Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-3600
Address 2200 Telegraph Ave.

I have reviewed the attached routine groundwater monitoring report dated November 12, 2008.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan Inc., upon who assistance and advice I have relied.

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

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

Sincerely,

Aaron Costa
Project Manager

Attachment: Report

WELL CONDITION STATUS SHEET

Client/Facility #: **Chevron #9-3600** Job # **386895**

Site Address: **2200 Telegraph Avenue** Event Date: 10-9-08

City: **Oakland, CA** Sampler: AW

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y / N	REPLACE CAP Y / N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
mw-1	OK	→	→	IS	OK	→	→	N	N	Pemco / 12" / 2	N
mw-2	OK	→					→	↓	↓	↓	↓
mw-3	OK	→					→	↓	↓	↓	

Comments

GETTLER-RYAN INC.

November 6, 2008
G-R Job #386895

Mr. Aaron Costa
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3660
San Ramon, CA 94583

RE: Fourth Quarter Event of October 9, 2008
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

Dear Mr. Costa:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

Douglas J. Lee
Senior Geologist, P.G. No. 6882

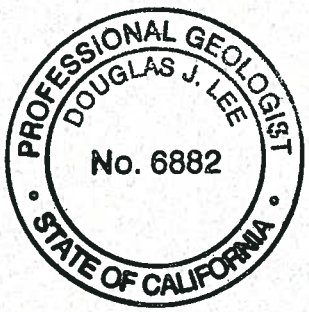
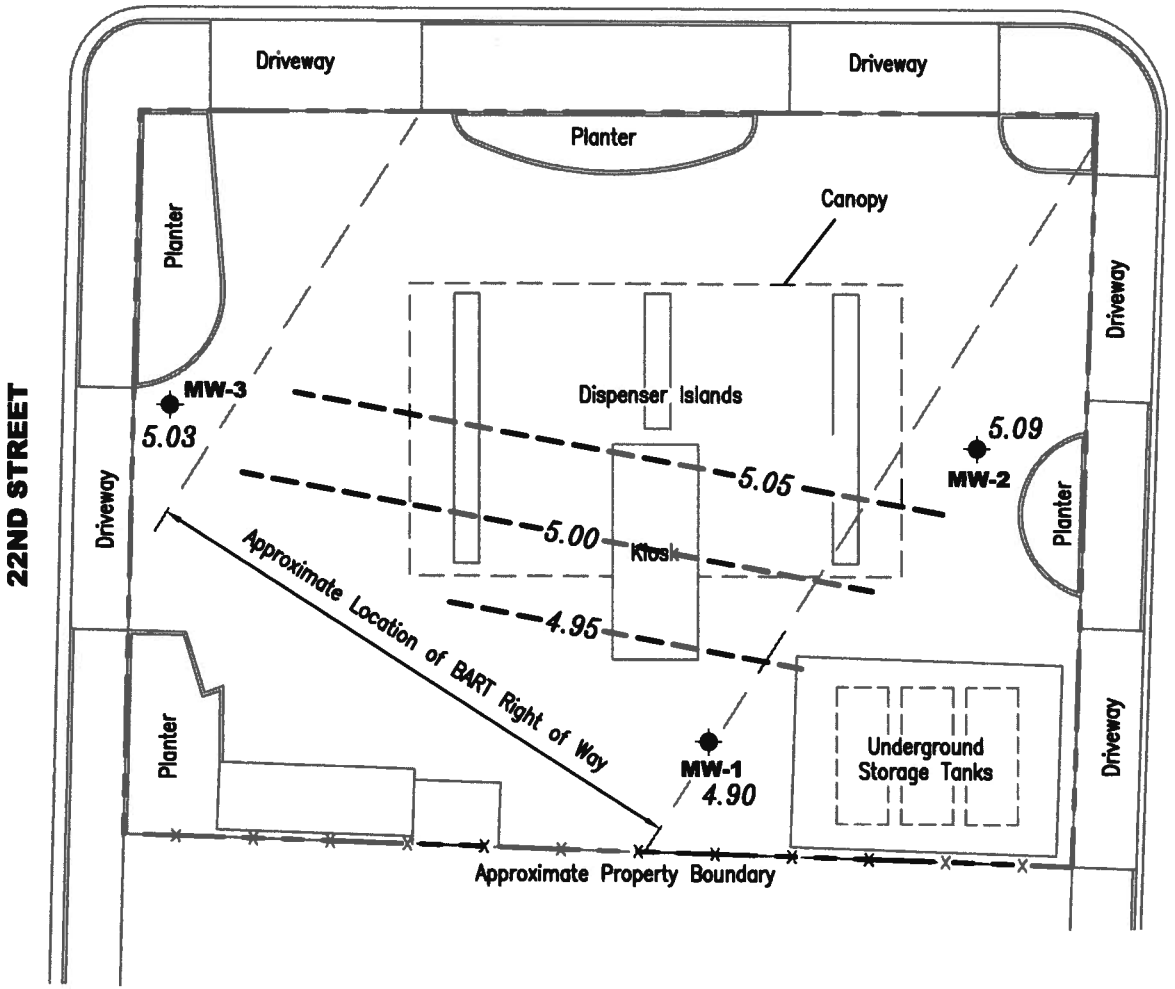


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • **Rancho Cordova**, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • **Petaluma**, CA 94954 • (707) 789-3255 • Fax (707) 789-3218



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- --99.99-- — Groundwater elevation contour, dashed where inferred

Approximate groundwater flow direction at a gradient of 0.004 Ft./Ft.

N

0 30

Scale in Feet

Source: Figure modified from drawing provided by Morrow Surveying April 17, 2002

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

POTENTIOMETRIC MAP
Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

FIGURE 1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386895		October 9, 2008	

FILE NAME: P:\Enviro\Chevron\9-3600\Q08-9-3600.dwg | Layout Tab: Pot3

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3600

2200 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1									
04/05/02[1]	17.07	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370[2]
07/01/02	17.07	12.01	5.06	2,000	8.9	<1.0	97	31	370/420[2]
10/08/02	17.07	12.20	4.87	1,400	9.2	<10	75	20	440/360[2]
01/11/03	17.07	11.13	5.94	1,600	7.1	0.51	53	13	280/270[2]
04/01/03	17.07	11.53	5.54	1,800	5.2	0.6	25	9.1	210/210[2]
07/01/03[3]	17.07	11.95	5.12	2,000	4	<0.5	31	12	170
10/02/03[3]	17.07	12.25	4.82	480	<5	<5	<5	<5	9,800
01/05/04[3]	17.07	11.05	6.02	1,700	3	<0.5	27	4	140
04/05/04[3]	17.07	11.63	5.44	1,500	2	<0.5	21	0.6	120
07/01/04[3]	17.07	12.08	4.99	1,500	1	<0.5	3	<0.5	130
10/05/04[3]	17.07	12.21	4.86	1,400	<0.5	<0.5	1	0.5	130
01/04/05[3]	17.07	11.15	5.92	1,500	<0.5	<0.5	<0.5	<0.5	<0.5
04/14/05[3]	17.07	11.20	5.87	2,100	<0.5	<0.5	4	0.5	61
07/08/05[3]	17.07	11.38	5.69	1,800	<0.5	<0.5	0.8	<0.5	71
10/27/05[3]	17.07	12.24	4.83	800	<0.5	<0.5	<0.5	<0.5	76
01/12/06[3]	17.07	11.10	5.97	1,600	<0.5	<0.5	4	<0.5	47
04/13/06[3]	17.07	10.81	6.26	1,500	<0.5	<0.5	1	<0.5	36
07/13/06[3]	17.07	11.18	5.89	990	<0.5	<0.5	<0.5	<0.5	44
10/16/06[3]	17.07	12.18	4.89	780	<0.5	<0.5	<0.5	<0.5	59
01/20/07[3]	17.07	11.91	5.16	890	<0.5	<0.5	<0.5	<0.5	47
04/11/07[3]	17.07	11.87	5.20	1,900	<0.5	<0.5	4	<0.5	39
07/27/07[3]	17.07	11.91	5.16	1,500	<0.5	<0.5	0.6	<0.5	56
10/22/07[3]	17.07	--[4]	--	610	<0.5	<0.5	<0.5	<0.5	65
11/26/07	17.07	11.96	5.11	--	--	--	--	--	--
01/21/08[3]	17.07	11.78	5.29	1,100	<0.5	<0.5	0.8	<0.5	48
04/04/08[3]	17.07	11.83	5.24	1,600	<0.5	<0.5	<0.5	<0.5	53
07/21/08[3]	17.07	12.10	4.97	950	<0.5	<0.5	<0.5	<0.5	72
10/09/08[3]	**17.07**	**12.17**	**4.90**	**960**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**59**
MW-2									
04/05/02[1]	16.82	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
07/01/02	16.82	11.36	5.46	<50	<0.50	0.57	0.52	<1.5	<2.5/<2[2]
10/08/02	16.82	11.57	5.25	<100	<2.0	<2.0	<2.0	<5.0	<10/<2[2]

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3600

2200 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-2 (cont)									
01/11/03	16.82	10.94	5.88	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
04/01/03	16.82	11.03	5.79	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5[2]
07/01/03[3]	16.82	11.30	5.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/02/03[3]	16.82	11.63	5.19	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04[3]	16.82	10.82	6.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04[3]	16.82	11.21	5.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/01/04[3]	16.82	11.46	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/05/04[3]	16.82	11.57	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/04/05[3]	16.82	10.87	5.95	<50	0.5	<0.5	8	0.9	87
04/14/05[3]	16.82	10.72	6.10	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/08/05[3]	16.82	11.16	5.66	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/27/05[3]	16.82	11.59	5.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/12/06[3]	16.82	10.68	6.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/13/06[3]	16.82	10.37	6.45	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/13/06[3]	16.82	10.68	6.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/16/06[3]	16.82	11.48	5.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/20/07[3]	16.82	11.27	5.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/11/07[3]	16.82	11.20	5.62	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/27/07[3]	16.82	11.27	5.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/22/07[3]	16.82	--[4]	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/07	16.82	11.31	5.51	--	--	--	--	--	--
01/21/08[3]	16.82	11.08	5.74	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/04/08[3]	16.82	11.12	5.70	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/21/08[3]	16.82	11.56	5.26	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/09/08[3]	**16.82**	**11.73**	**5.09**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-3									
04/05/02[1]	16.52	11.29	5.23	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2[2]
07/01/02	16.52	11.55	4.97	<50	<0.50	0.60	<0.50	<1.5	<2.5/<2[2]
10/08/02	16.52	11.62	4.90	<100	<2.0	<2.0	<2.0	<5.0	<10/<2[2]
01/11/03	16.52	11.09	5.43	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
04/01/03	16.52	11.25	5.27	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5[2]
07/01/03[3]	16.52	11.42	5.10	<50	<0.5	<0.5	<0.5	<0.5	2

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3600

2200 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-3 (cont)									
10/02/03[3]	16.52	11.74	4.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04[3]	16.52	11.06	5.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/05/04[3]	16.52	11.40	5.12	<50	<0.5	<0.5	<0.5	<0.5	0.6
07/01/04[3]	16.52	11.58	4.94	<50	<0.5	<0.5	<0.5	<0.5	0.8
10/05/04[3]	16.52	11.60	4.92	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/04/05[3]	16.52	10.95	5.57	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/14/05[3]	16.52	11.10	5.42	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/08/05[3]	16.52	11.29	5.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/27/05[3]	16.52	11.68	4.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/12/06[3]	16.52	10.83	5.69	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/13/06[3]	16.52	10.65	5.87	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/13/06[3]	16.52	11.03	5.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/16/06[3]	16.52	11.46	5.06	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/20/07[3]	16.52	11.39	5.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/11/07[3]	16.52	11.27	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/27/07[3]	16.52	11.38	5.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/22/07[3]	16.52	--[4]	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/07	16.52	11.35	5.17	--	--	--	--	--	--
01/21/08[3]	16.52	11.16	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/04/08[3]	16.52	11.15	5.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/21/08[3]	16.52	11.38	5.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/09/08[3]	**16.52**	**11.49**	**5.03**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
TRIP BLANK									
QA									
04/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
07/01/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
10/08/02	--	--	--	<100	<2.0	<2.0	<2.0	<5.0	<10
01/11/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/01/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
07/01/03[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/02/03[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/05/04[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3600

2200 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (ft.)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA (cont)									
04/05/04[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/01/04[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/05/04[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/04/05[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/14/05[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/08/05[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/27/05[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/12/06[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/13/06[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/13/06[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/16/06[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/20/07[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/11/07[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/27/07[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/22/07[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
01/21/08[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/04/08[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/21/08[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
10/09/08[3]	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

EXPLANATIONS:

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether

(µg/L) = Micrograms per liters
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed on April 17, 2002, by Morrow Surveying. The elevations are based on a City of Oakland Benchmark No. 37JC, (Benchmark Elevation = 17.68 Feet).

[1] Well development performed.

[2] MTBE by EPA Method 8260.

[3] BTEX and MTBE by EPA Method 8260.

[4] DTW measurements were not recorded correctly.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-3600

2200 Telegraph Avenue

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-1	04/05/02	--	200	370	<2	<2	10
	07/01/02	--	190	420	<2	<2	9
	10/08/02	--	110	360	<2	<2	8
	01/11/03	--	<100	270	<2	<2	7
	04/01/03	--	22	210	<0.5	<0.5	5
	07/01/03	<50	26	170	<0.5	<0.5	5
	10/02/03	<500	2,600	9,800	<5	<5	6
	01/05/04	<50	21	140	<0.5	<0.5	3
	04/05/04	<50	17	120	<0.5	<0.5	3
	07/01/04	<50	13	130	<0.5	<0.5	2
	10/05/04	<50	14	130	<0.5	<0.5	2
	01/04/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/14/05	<50	15	61	<0.5	<0.5	1
	07/08/05	<50	15	71	<0.5	<0.5	1
	10/27/05	<50	10	76	<0.5	<0.5	1
	01/12/06	<50	12	47	<0.5	<0.5	<0.5
	04/13/06	<50	8	36	<0.5	<0.5	0.6
	07/13/06	<50	7	44	<0.5	<0.5	0.7
	10/16/06	<50	6	59	<0.5	<0.5	1
	01/20/07	<50	8	47	<0.5	<0.5	0.8
	04/11/07	<50	9	39	<0.5	<0.5	0.7
	07/27/07	<50	8	56	<0.5	<0.5	0.8
	10/22/07	<50	5	65	<0.5	<0.5	0.7
	01/21/08	<50	5	48	<0.5	<0.5	0.7
	04/04/08	<50	6	53	<0.5	<0.5	0.6
	07/21/08	<50	11	72	<0.5	<0.5	0.7
	10/09/08	**<50**	**5**	**59**	**<0.5**	**<0.5**	**0.5**
MW-2	04/05/02	--	<100	<2	<2	<2	<2
	07/01/02	--	<100	<2	<2	<2	<2
	10/08/02	--	<100	<2	<2	<2	<2
	01/11/03	--	<100	<2	<2	<2	<2
	04/01/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/01/03	<50	<5	<0.5	<0.5	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-3600
2200 Telegraph Avenue
Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-2 (cont)	10/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/01/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/04/05	<50	14	87	<0.5	<0.5	2
	04/14/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/08/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/27/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/12/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/16/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/20/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	04/11/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/25/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	10/22/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	01/21/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	04/04/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/21/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	10/09/08	**<50**	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-3	04/05/02	--	<100	<2	<2	<2	<2
	07/01/02	--	<100	<2	<2	<2	<2
	10/08/02	--	<100	<2	<2	<2	<2
	01/11/03	--	<100	<2	<2	<2	<2
	04/01/03	--	<5	<0.5	<0.5	<0.5	<0.5
	07/01/03	<50	<5	2	<0.5	<0.5	<0.5
	10/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/05/04	<50	<5	0.6	<0.5	<0.5	<0.5
	07/01/04	<50	<5	0.8	<0.5	<0.5	<0.5
	10/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/04/05	<50	<5	<0.5	<0.5	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-3600

2200 Telegraph Avenue

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-3 (cont)	04/14/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/08/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/27/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/12/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/16/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/20/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	04/11/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/27/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	10/22/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	01/21/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	04/04/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/21/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	10/09/08	**<50**	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-3600

2200 Telegraph Avenue

Oakland, California

EXPLANATIONS:

TBA = t-Butyl alcohol

MTBE = Methyl Tertiary Butyl Ether

DIPE = di-Isopropyl ether

ETBE = Ethyl t-butyl ether

TAME = t-Amyl methyl ether

(µg/L) = Micrograms per liters

-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hills, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-3600 | Job Number: 386895
Site Address: 2200 Telegraph Avenue | Event Date: 10-9-08 (inclusive)
City: Oakland, CA | Sampler: AW

Well ID: MW- 1 | Date Monitored: 10-9-08
Well Diameter: 2 in.
Total Depth: 20.13 ft.
Depth to Water: 12.17 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

7.96 xVF .17 = 1.35 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.76

Purge Equipment:
- Disposable Bailer: ✓
- Stainless Steel Bailer:
- Stack Pump:
- Suction Pump:
- Grundfos:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer:
- Discrete Bailer:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1020 | Weather Conditions: Sunny
Sample Time/Date: 1045 / 10-9-08 | Water Color: Cloudy | Odor: (Y) N Slight
Approx. Flow Rate: — gpm. | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 13.76

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1025	1.5	6.87	657	20.4		
1029	3.0	6.81	665	21.1		
1033	4.0	6.89	672	21.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL (8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-3600 | Job Number: 386895
Site Address: 2200 Telegraph Avenue | Event Date: 10-9-08 (inclusive)
City: Oakland, CA | Sampler: AW

Well ID: MW-2
Well Diameter: 2 in.
Total Depth: 20.19 ft.
Depth to Water: 11.73 ft.
8.46 xVF .17 = 1.43 x3 case volume = Estimated Purge Volume: 4.5 gal.

Date Monitored: 10-9-08

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.42

Purge Equipment:
Disposable Bailer ✓
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0945 | Weather Conditions: Clear/Sunny
Sample Time/Date: 1010 / 10-9-08 | Water Color: Clear | Odor: Y / N
Approx. Flow Rate: — gpm. | Sediment Description: Clear
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 13.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0950	1.5	6.93	903	20.6		
0954	3.0	6.84	895	20.4		
1000	4.5	6.84	896	20.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL (8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-3600 | Job Number: 386895
Site Address: 2200 Telegraph Avenue | Event Date: 10.9.04 (inclusive)
City: Oakland, CA | Sampler: AW

Well ID: MW-3 | Date Monitored: 10.9.04
Well Diameter: 2 in.
Total Depth: 20.13 ft.
Depth to Water: 11.49 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

8.64 x VF [illegible] = 1.46 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.22

Purge Equipment:
- Disposable Bailer: ✓
- Stainless Steel Bailer:
- Stack Pump:
- Suction Pump:
- Grundfos:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer:
- Discrete Bailer:
- Peristaltic Pump:
- QED Bladder Pump:
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0915 | Weather Conditions: Sunny
Sample Time/Date: 0935 / 10-9-04 | Water Color: Clear | Odor: Y / N
Approx. Flow Rate: — gpm. | Sediment Description: Clear
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 13.01

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0918	1.5	6.89	654	19.4		
0922	3.0	6.94	667	20.7		
0925	4.5	6.97	655	21.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL (8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories 109108-06

A10904 / Acct. #: 11440 Grp: 111440 MRB 10/12/08 For Lancaster Laboratories use only Sample # 5495000-03 Group #: 004380

Facility #: SS#9-3600-0M1 G-R#386895 Global ID#T0600161613
Site Address: 2200 TELEGRAPH AVENUE, OAKLAND, CA
Chevron PM: AC Lead Consultant: CRACE
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Alex Wong

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable / NPDES)	Matrix: Oil / Air	Total Number of Containers	BTEX + MTBE 8260 / 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO / Silica Gel Cleanup	8260 full scan	5 Oxygenates (8260)	Total Lead Method	Dissolved Lead Method	ETHANOL (8260)
QA	10-9-08	—	X			X		2	X	X						
MW-1	↓		X			X		6	X	X			X			X
MW-2			X			X		6	X	X			X			X
MW-3	↓		X			X		6	X	X			X			X

Analyses Requested / Preservation Codes

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

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

Comments / Remarks

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

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

EDF/EDD

	Date	Time
Relinquished by:	10-9-08	1140
Relinquished by: A. Anderson 09 OCT 08		1636
Relinquished by:		
Relinquished by Commercial Carrier: UPS FedEx Other DHL		
Temperature Upon Receipt 17.4 C°		

	Date	Time
Received by: A. Anderson 09 OCT 08		1146
Received by: DHL		
Received by:		
Received by:	10/10/08	0800
Custody Seals Intact? Yes No		

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1114440. Samples arrived at the laboratory on Friday, October 10, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
QA-T-081009 NA Water	5495000
MW-1-W-081009 Grab Water	5495001
MW-2-W-081009 Grab Water	5495002
MW-3-W-081009 Grab Water	5495003

ELECTRONIC COPY TO CRA c/o Gettler-Ryan Attn: Cheryl Hansen

Lancaster Laboratories

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

Analysis Report

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300

Respectfully Submitted,

Tracy A. Cole
Senior Specialist

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5495000 **Group No. 1114440**

QA-T-081009 NA Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph-Oakland T0600161613 QA
Collected:10/09/2008

Account Number: 10904

Submitted: 10/10/2008 10:00
Reported: 10/22/2008 at 10:06
Discard: 11/22/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

109TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	10/16/2008 05:09	Carrie E Youtzy	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	10/15/2008 04:52	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2008 05:09	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/15/2008 04:52	Michael A Ziegler	1

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5495001 **Group No. 1114440**

MW-1-W-081009 Grab Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph-Oakland T0600161613 MW-1
Collected:10/09/2008 by AW

Submitted: 10/10/2008 10:00
Reported: 10/22/2008 at 10:06
Discard: 11/22/2008

10901

Account Number: 10904

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	960	50	ug/l	1
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	59	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	0.5	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	5	2	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	10/16/2008 05:31	Carrie E Youtzy	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	10/15/2008 11:07	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2008 05:31	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/15/2008 11:07	Ginelle L Feister	1

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5495002 **Group No. 1114440**

MW-2-W-081009 Grab Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph-Oakland T0600161613 MW-2
Collected:10/09/2008 by AW

Submitted: 10/10/2008 10:00
Reported: 10/22/2008 at 10:06
Discard: 11/22/2008

10902

Account Number: 10904

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50	ug/l	1
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	10/16/2008 05:53	Carrie E Youtzy	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	10/15/2008 12:18	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2008 05:53	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/15/2008 12:18	Ginelle L Feister	1

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW5495003 **Group No. 1114440**

MW-3-W-081009 Grab Water
Facility# 93600 Job# 386895 GRD
2200 Telegraph-Oakland T0600161613 MW-3
Collected:10/09/2008 by AW

Submitted: 10/10/2008 10:00
Reported: 10/22/2008 at 10:06
Discard: 11/22/2008

10903

Account Number: 10904

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50	ug/l	1
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	2	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	10/16/2008 06:14	Carrie E Youtzy	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	10/15/2008 12:42	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2008 06:14	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/15/2008 12:42	Ginelle L Feister	1

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 10/22/08 at 10:06 AM

Group Number: 1114440

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 08289B20A	Sample number(s): 5495000-5495003							
TPH-GRO - Waters	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: D082883AA	Sample number(s): 5495000							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		73-119		
Benzene	N.D.	0.5	ug/l	97		78-119		
Toluene	N.D.	0.5	ug/l	89		85-115		
Ethylbenzene	N.D.	0.5	ug/l	86		82-119		
Xylene (Total)	N.D.	0.5	ug/l	89		83-113		
Batch number: D082891AA	Sample number(s): 5495001-5495003							
Ethanol	N.D.	50.	ug/l	106		45-156		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	102		73-119		
di-Isopropyl ether	N.D.	0.5	ug/l	90		70-123		
Ethyl t-butyl ether	N.D.	0.5	ug/l	91		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	89		79-113		
t-Butyl alcohol	N.D.	2.	ug/l	84		74-117		
Benzene	N.D.	0.5	ug/l	95		78-119		
Toluene	N.D.	0.5	ug/l	91		85-115		
Ethylbenzene	N.D.	0.5	ug/l	88		82-119		
Xylene (Total)	N.D.	0.5	ug/l	92		83-113		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 08289B20A	Sample number(s): 5495000-5495003 UNSPK: 5495002								
TPH-GRO - Waters	100		63-154						
Batch number: D082883AA	Sample number(s): 5495000 UNSPK: P491010								
Methyl Tertiary Butyl Ether	96	103	69-127	7	30				
Benzene	94	103	83-128	9	30				
Toluene	89	98	83-127	9	30				
Ethylbenzene	87	95	82-129	9	30				
Xylene (Total)	90	98	82-130	8	30				
Batch number: D082891AA	Sample number(s): 5495001-5495003 UNSPK: 5495001								
Ethanol	122	131	32-164	8	30				
Methyl Tertiary Butyl Ether	95	105	69-127	2	30				
di-Isopropyl ether	92	95	68-129	3	30				

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

Quality Control Summary

Client Name: Chevron
Reported: 10/22/08 at 10:06 AM

Group Number: 1114440

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethyl t-butyl ether	91	92	78-119	1	30				
t-Amyl methyl ether	93	95	72-125	2	30				
t-Butyl alcohol	83	81	70-121	1	30				
Benzene	100	103	83-128	3	30				
Toluene	94	95	83-127	1	30				
Ethylbenzene	94	96	82-129	3	30				
Xylene (Total)	94	97	82-130	3	30				

Surrogate Quality Control

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

Analysis Name: TPH-GRO - Waters
Batch number: 08289B20A

	Trifluorotoluene-F
5495000	83
5495001	98
5495002	84
5495003	82
Blank	82
LCS	106
LCSD	105
MS	105
Limits:	63-135

Analysis Name: BTEX+MTBE by 8260B
Batch number: D082883AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5495000	97	99	89	97
Blank	96	101	91	98
LCS	94	100	88	96
MS	95	99	88	97
MSD	97	102	90	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+5 Oxygenates+ETOH
Batch number: D082891AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5495001	96	99	90	101
5495002	95	100	88	97
5495003	97	99	88	96
Blank	97	100	90	97
LCS	97	99	90	100
MS	94	100	87	97

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

Quality Control Summary

Client Name: Chevron
Reported: 10/22/08 at 10:06 AM

Group Number: 1114440

Surrogate Quality Control

MSD	97	98	89	100
Limits:	80-116	77-113	80-113	78-113

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

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

ppb parts per billion

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

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

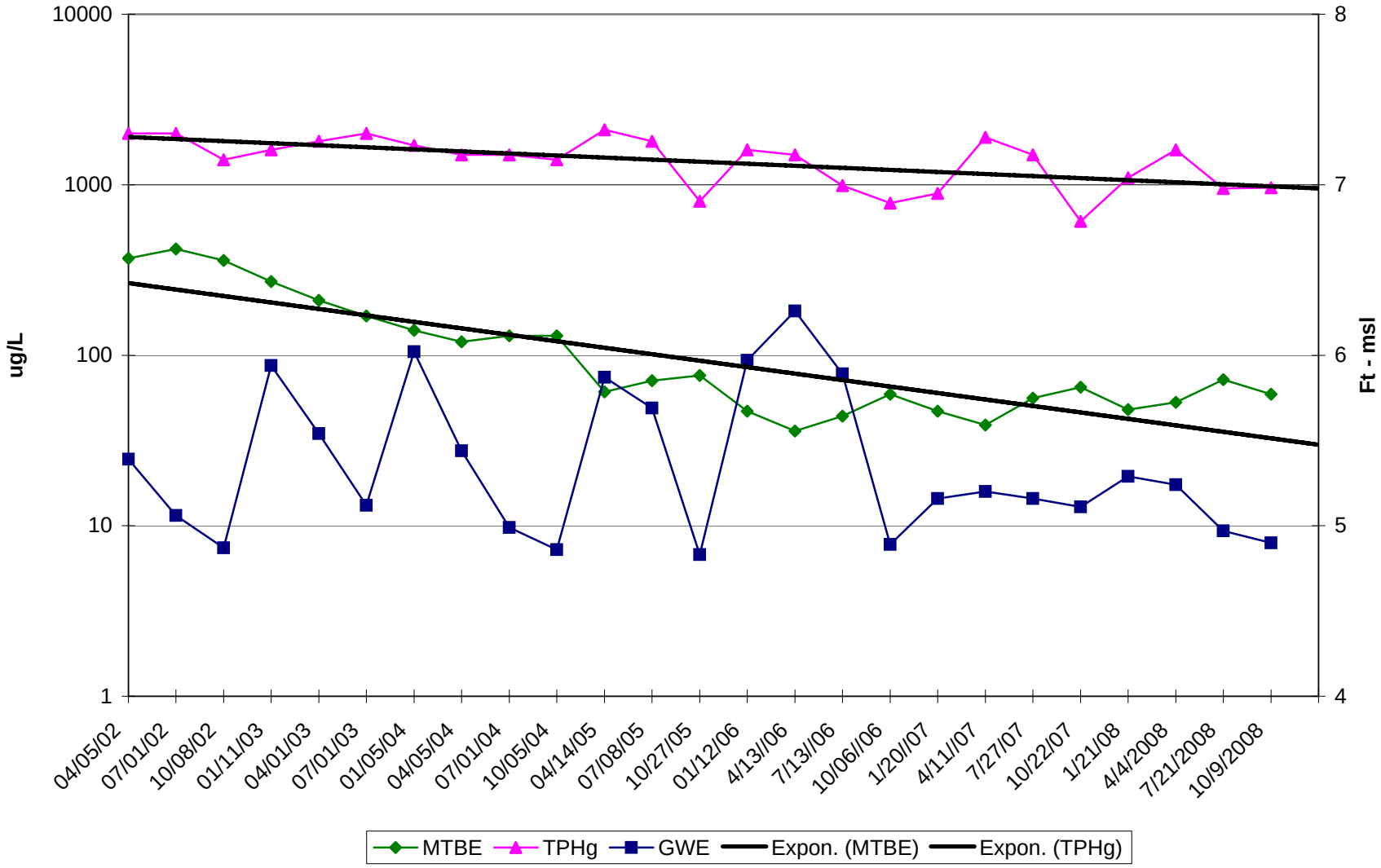
Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

TPHg and MTBE versus Time in MW-1

Chevron Service Station #9-3600

2200 Telegraph Avenue, Oakland, CA



MONITORING WELL CONSTRUCTION DETAIL TABLE
CHEVRON SERVICE STATION
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

Well ID	*Well Casing Diameter (inches)*	*Depth (fbg)*	*Screen Interval (fbg)*	*Slot Size (inches)*	*Filter Pack Type*
MW-1	2	20	5-20	0.020 inch	#3 Lonestar
MW-2	2	20	5-20	0.020 inch	#3 Lonestar
MW-3	2	20	5-20	0.020 inch	#3 Lonestar

Notes:

fbg = Feet below grade

Chevron U.S.A. Products Company
2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

September 2, 1992

Mr. Greg Mischel
Groundwater Technology, Inc.
4057 Port Chicago Highway
Concord, CA 94520

Re: Chevron Service Station 9-3600
2200 Telegraph Avenue, Oakland, CA

Dear Mr. Mischel:

Enclosed is a copy of the Site Plan showing locations of the vadose wells at the above referenced site to assist Groundwater Technology, Inc. in performing a preliminary site investigation. The sixteen wells with vapor sensors were installed during the station reconstruction around 1986-87 because BART tracks run directly beneath the site in an underground tunnel. Approximately three weeks ago all sixteen sensors went off simultaneously. The sensors were replaced and currently only one sensor designated 2-1 on the site plan continues to go off.

NO, ONLY TWO PID

The dealer at this site has reported no recent loss of inventory and the tanks tested tight in 1991. According to the dealer, standing water was observed in well 2-1 when the sensors were replaced. For your reference I have also enclosed information on these sensors which indicates that they are not tolerant of fluids. I believe that the old sensors may have come in contact with water in some form or another and malfunctioned. The one new sensor which continues to go off may be due to the standing water in the well.

I would like Groundwater Technology, Inc. to screen vadose well 2-1 with a PID, bail the well dry, and take a grab sample to be analyzed for TPH-gas and BTEX. Vadose well 2-1 is labelled in white paint with a large "2-1" on the underside of the manhole cover to avoid confusion. Please perform this work within thirty days and submit a report documenting all findings.

If you have any questions or comments, please do not hesitate to call me at (510) 842-8134.

Very truly yours,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosures
cc: File (9-3600 RFP1)

GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387
FAX: (415) 685-9148

November 20, 1992

Job Number 020203282

NOV 25 '92 JST

Mr. Mark Miller
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

RE: MONITORING AND SAMPLING REPORT OF VADOSE WELL 2-1
CHEVRON SERVICE STATION No. 9-3600
2200 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

Dear Mr. Miller:

On October 13, 1992, at the request of Chevron U.S.A. Products Company (Chevron) Groundwater Technology, Inc. monitored vadose well (VW-2-1) at the above referenced site. Organic vapor concentrations were measured with a photo-ionization detector (PID), water samples from the well were collected and submitted for analysis. Water samples were analyzed for total petroleum hydrocarbons (TPH)-as-gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX). The work was performed in accordance with the letter dated September 2, 1992 from Mr. Mark Miller of Chevron.

The PID was calibrated with 100 parts per million isobutylene. The vapors within the well were measured after the well cap was removed. The PID registered 105 parts per million of total petroleum hydrocarbons. The well was then gauged to determine depth to water (DTW), depth to product (DTP), and total depth (TD) of the well. Results of the October 13, 1992, monitoring event indicate DTP is 4.42 feet, DTW is 4.43 feet, and TD is 5.14 feet. The reading of 0.01 foot of product could not be confirmed with a clear acrylic bailer.

Efforts to purge the well were unsuccessful because there was not enough water in the well to bail. Water samples were collected from the standing water in the well with a clean teflon sampler. Water samples were placed into 40 milliliter glass containers and fitted with a plastic cap lined with a teflon stepum. The samples were sealed so that no air remained inside. The samples were labeled and placed in an insulated cooler for transportation to a California certified laboratory for analyses. A chain-of-custody record was filled out and accompanied the samples at all times. After the groundwater samples were collected the well was secured with the cap and the lid to the road box was replaced.

Analytical results of the water samples collected on October 13, 1992, reported detectable concentrations of TPH-as-gasoline and BTEX. The results are summarized below and laboratory report and chain-of-custody record are included in Attachment A.

WELL ID	TPH-AS-GASOLINE	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE
VW-2-1	42,000	3,300	7,100	540	10,000

Note: Concentrations in parts per billion (ppb)

This concludes Groundwater Technology's letter report for monitoring and sampling of vadose well VW 2-1 at 2200 Telegraph Avenue, Oakland, California. Groundwater Technology appreciates this opportunity to be of service to Chevron. If you have any questions regarding this letter report please contact us at (510) 671-2387.

Sincerely,
GROUNDWATER TECHNOLOGY, INC

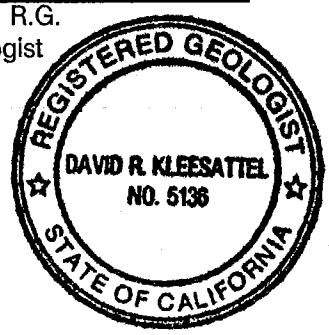
Tim Watchers
Project Geologist

Sandra L. Lindsey
Project Manager

LR3282TW.01

GROUNDWATER TECHNOLOGY, INC

David R. Kleesattel, R.G.
District Hydrogeologist



GROUNDWATER TECHNOLOGY, INC.

WEST GRAND AVENUE

S 11° 55' 00" W

147.48'

2" FRP VENT LINES

114.31'

112.50'

ELECTRICAL CONDUIT

2" FRP PRODUCT PIPE,
3" FRP VAPOR RECOVERY PIPE,
CONTAINED WITHIN FRP LINED TRENCH.

S 77° 18' 22" E

N 78° 04' 08" W

N 11° 13' 30" E

149.01'

22nd STREET

TELEGRAPH AVENUE

N

0 5 10 20 30 40 50

DRAWING No. SS93600.DWG/08-30-90/HCH

Chevron U.S.A. Inc.
Marketing Operations San Ramon

REVISIONS		
⚠ ADD PIPING AND CONDUIT	08/19/91	HCH
△		
△		
△		
△		

SITE PLAN
DEALER OPERATED 9-3600
TELEGRAPH & WEST GRAND
OAKLAND, CALIFORNIA
SCALE: 1"=10'-0" DATE: 08/30/90
DR. HCH CH. APP.
IF THIS DRAWING IS 11"x17"
SCALE 1"=20'-0"

ATTACHMENT A

LABORATORY REPORT

Superior Precision Analytical, Inc. •
1555 Burke, Unit I ▪ San Francisco, California 94124 ▪ (415) 647-2081 / fax (415) 821-7123

GROUNDWATER TECHNOLOGY, INC.
Attn: Sandra Lindsey

Project "PENDING"
Reported 10/18/92

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
86915- 1	MW-2-1	10/12/82	10/17/92	Water

RESULTS OF ANALYSIS

Laboratory Number: 86915- 1

Gasoline:	42000
Benzene:	3300
Toluene:	7100
Ethyl Benzene:	540
Xylenes:	10000
Concentration:	ug/L

Superior Precision Analytical, Inc.
1555 Burke, Unit I ▪ San Francisco, California 94124 ▪ (415) 647-2081 / fax (415) 821-7123

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 86915

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	200 ng	103/105	2%	70-130
Benzene:	200 ng	93/95	2%	70-130
Toluene:	200 ng	97/100	3%	70-130
Ethyl Benzene:	200 ng	101/103	2%	70-130
Xylenes:	200 ng	99/102	3%	70-130

Richard Srna, Ph.D.
Laboratory Director

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 80915

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-3600
Facility Address 2200 TELEGRAPH Ave.
Consultant Project Number Pending
Consultant Name Groundwater Technology
Address 4057 Port Chicago Hwy
Project Contact (Name) Sandra Lindsay / Tim Watters
(Phone) 671-2-357 (Fax Number) 685-9148

Chevron Contact (Name) Mike Miller
(Phone) 842-8134
Laboratory Name Superior
Laboratory Release Number 8212570
Samples Collected by (Name) Steven J. Strem
Collection Date 10-13-92
Signature Steven J. Strem

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks
MW-2-1	1	3	W	G		HCl	Yes	X												1 of 1

Please Initial:
Samples Stored in ice. SJS
Appropriate containers SJS
Samples preserved SJS
VOA's without headspace SJS
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	GTI	10/13/92 1630			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			[signature]		10/13/92 16:30

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
(As Contracted)

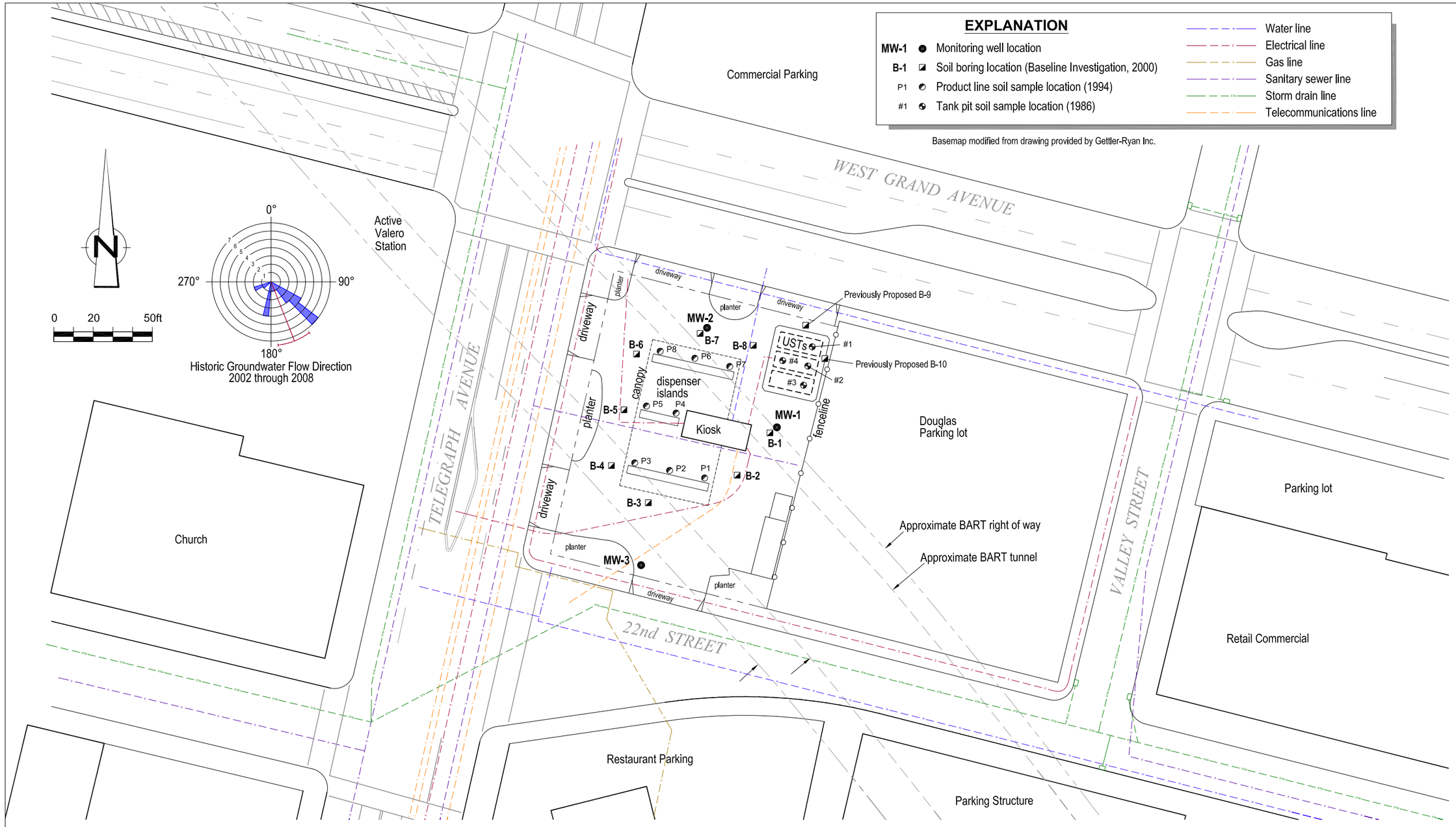


FIGURE 4

CONDUIT STUDY SITE PLAN
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE
Oakland, California

I:\CHEVRON\311965\311965 9-3600 OAKLAND\311965 FIGURES\311965_EM001-EX-SP.DWG

WELL SURVEY DATA
FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES
CHEVRON STATION 9-3600
2200 TELEGRAPH AVE., OAKLAND, CALIFORNIA
(2,000 FOOT RADIUS)

WELL ADDRESS	*WELL ID*	*DISTANCE FROM SITE (FEET)*	*WELL TYPE/USE*	*DWR FILE NAME*	*DESTROYED*
2800 Telegraph Ave., Oakland, CA	SB-1	2,100	monitoring	F37	YES
2800 Telegraph Ave., Oakland, CA	S-1	2,100	monitoring	F38	YES
2800 Telegraph Ave., Oakland, CA	S-4	2,100	monitoring	F39	YES
2800 Telegraph Ave., Oakland, CA	S-5	2,100	monitoring	F3A	YES
2800 Telegraph Ave., Oakland, CA	S-10	2,100	monitoring	F3B	YES
Middle School (Location uncertain)	N/A	NC	Irrigation	51286015	NO RECORD
633 Sycamore St., Oakland, CA	MW-1	2,670	monitoring	51286042	NO RECORD
633 Sycamore St., Oakland, CA	MW-2	2,670	monitoring	51286043	NO RECORD
633 Sycamore St., Oakland, CA	MW-3	2,670	monitoring	51286044	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-2	2,100	monitoring	51286047	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-3	2,100	monitoring	51286048	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-6	2,100	monitoring	51286052	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-7	2,100	monitoring	51286053	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-8	2,100	monitoring	51286055	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-9	2,100	monitoring	51286056	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-10	2,100	monitoring	51286057	NO RECORD
2800 Telegraph Ave., Oakland, CA	S-11	2,100	monitoring	51286058	NO RECORD
2633 Telegraph Ave., Oakland, CA	MW-1	1,400	monitoring	51286059	NO RECORD
2633 Telegraph Ave., Oakland, CA	MW-2	1,400	monitoring	51286060	NO RECORD
2633 Telegraph Ave., Oakland, CA	MW-3	1,400	monitoring	51286061	NO RECORD
2633 Telegraph Ave., Oakland, CA	MW-4	1,400	monitoring	51286062	NO RECORD
2633 Telegraph Ave., Oakland, CA	MW-5	1,400	monitoring	51286063	NO RECORD
294 27th Street, Oakland	SB-1	2,050	boring	51286065	NO RECORD
294 27th Street, Oakland	SB-2	2,050	boring	51286066	NO RECORD
294 27th Street, Oakland	SB-2A	2,050	boring	51286067	NO RECORD
294 27th Street, Oakland	SB-3	2,050	boring	51286068	NO RECORD
Broadway and 27th Street	MW-1	2,000	monitoring	51286072	NO RECORD
Broadway and 27th Street	MW-2	2,000	monitoring	51286073	NO RECORD
Broadway and 27th Street	MW-3	2,000	monitoring	51286074	NO RECORD
294 27th Street, Oakland, CA	MW-1	2,050	monitoring	51286081	NO RECORD
294 27th Street, Oakland, CA	MW-2	2,050	monitoring	51286082	NO RECORD
23rd and Valdez, Oakland, CA	MW-1	1,300	monitoring	51286083	NO RECORD
23rd and Valdez, Oakland, CA	MW-2	1,300	monitoring	51286085	NO RECORD

WELL SURVEY DATA
FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES
CHEVRON STATION 9-3600
2200 TELEGRAPH AVE., OAKLAND, CALIFORNIA
(2,000 FOOT RADIUS)

WELL ADDRESS	*WELL ID*	*DISTANCE FROM SITE (FEET)*	*WELL TYPE/USE*	*DWR FILE NAME*	*DESTROYED*
23rd and Valdez, Oakland, CA	MW-2	1,300	monitoring	51286086	NO RECORD
23rd and Valdez, Oakland, CA	SB1	1,300	boring	51286088	NO RECORD
23rd and Valdez, Oakland, CA	SB2	1,300	boring	51286089	NO RECORD
23rd and Valdez, Oakland, CA	SB3	1,300	boring	51286090	NO RECORD
23rd and Valdez, Oakland, CA	SB4/MW-4	1,300	monitoring	51286091	NO RECORD
23rd and Valdez, Oakland, CA	SB-5/MW-5	1,300	monitoring	51286092	NO RECORD
23rd and Valdez, Oakland, CA	SB-6/MW-6	1,300	monitoring	51286093	NO RECORD
23rd and Valdez, Oakland, CA	SB-7/MW-7	1,300	monitoring	51286094	NO RECORD
23rd and Valdez, Oakland, CA	SB-8	1,300	boring	51286095	NO RECORD
23rd and Valdez, Oakland, CA	SB-9	1,300	boring	51286096	NO RECORD
23rd and Valdez, Oakland, CA	SB-10	1,300	boring	51286097	NO RECORD
23rd and Valdez, Oakland, CA	SB-11	1,300	boring	51286098	NO RECORD
23rd and Valdez, Oakland, CA	SB-12	1,300	boring	51286099	NO RECORD
23rd and Valdez, Oakland, CA	MW-8	1,300	monitoring	51286101	NO RECORD
23rd and Valdez, Oakland, CA	MW-9	1,300	monitoring	51286102	NO RECORD
2345 Broadway, Oakland, CA	MW-1	950	monitoring	51286103	NO RECORD
2225 Telegraph Ave., Oakland, CA	MW-6A	110	monitoring	51286105	NO RECORD
2225 Telegraph Ave., Oakland, CA	MW-6B	135	monitoring	51286106	NO RECORD
2225 Telegraph Ave., Oakland, CA	MW-6C	110	monitoring	51286107	YES
2225 Telegraph Ave., Oakland, CA	MW-6D	110	monitoring	51286108	NO RECORD
2225 Telegraph Ave., Oakland, CA	RW-3	190	monitoring	51286110	YES
2225 Telegraph Ave., Oakland, CA	RW-1	120	monitoring	51286111	NO RECORD
2225 Telegraph Ave., Oakland, CA	MW-6G	220	monitoring	51286113	NO RECORD
2225 Telegraph Ave., Oakland, CA	MW-6H	110	monitoring	51286114	NO RECORD
2225 Telegraph Ave., Oakland, CA	MW-6I	205	monitoring	51286115	NO RECORD
2225 Telegraph Ave., Oakland, CA	RW-3A	190	remediation	51286116	NO RECORD
2103 San Pablo Ave, Oakland, CA	ES-1	1,360	monitoring	51286121	NO RECORD
2103 San Pablo Ave, Oakland, CA	ES-2	1,360	monitoring	51286122	NO RECORD
2103 San Pablo Ave, Oakland, CA	ES-3	1,360	monitoring	51286123	NO RECORD
2103 San Pablo Ave, Oakland, CA	ES-4	1,360	monitoring	51286124	NO RECORD
2103 San Pablo Ave, Oakland, CA	ES-5	1,360	monitoring	51286125	NO RECORD
San Pablo and 19th, Oakland, CA	SB1	1,400	boring	51286154	NO RECORD
San Pablo and 19th, Oakland, CA	SB2	1,400	boring	51286155	NO RECORD

WELL SURVEY DATA
FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES
CHEVRON STATION 9-3600
2200 TELEGRAPH AVE., OAKLAND, CALIFORNIA
(2,000 FOOT RADIUS)

WELL ADDRESS	*WELL ID*	*DISTANCE FROM SITE (FEET)*	*WELL TYPE/USE*	*DWR FILE NAME*	*DESTROYED*
San Pablo and 19th, Oakland, CA	SB3	1,400	boring	51286156	NO RECORD
San Pablo and 19th, Oakland, CA	SB4	1,400	boring	51286157	NO RECORD
San Pablo and 19th, Oakland, CA	SB5	1,400	boring	51286158	NO RECORD
San Pablo and 19th, Oakland, CA	SB6	1,400	boring	51286159	NO RECORD
San Pablo and 19th, Oakland, CA	SB6	1,400	boring	51286158	NO RECORD
18th and Jefferson, Oakland, CA	MW-1	1,600	monitoring	51286161	NO RECORD
18th and Jefferson, Oakland, CA	MW-2	1,600	monitoring	51286162	NO RECORD
18th and Jefferson, Oakland, CA	MW-3	1,600	monitoring	51286163	NO RECORD
18th and Jefferson, Oakland, CA	MW-1A	1,600	monitoring	51286166	NO RECORD
18th and Jefferson, Oakland, CA	MW-4	1,600	monitoring	51286167	NO RECORD
18th and Jefferson, Oakland, CA	#1	1,600	test	51286168	NO RECORD
537 18th Street, Oakland, CA	MW-2	1,550	monitoring	51286169	NO RECORD
570 18th Street, Oakland, CA	MW-7	1,700	monitoring	51286170	NO RECORD
San Pablo and 19th, Oakland, CA	MW-11	1,400	test	51286171	NO RECORD
611 20th Street, Oakland, CA	MW-12	1,140	test	51286172	NO RECORD
612 Williams Street, Oakland, CA	MW-13	1,140	test	51286173	NO RECORD
585 Williams Street, Oakland, CA	MW-14	1,140	test	51286174	NO RECORD
588-596 Williams Street, Oakland, CA	MW-15	1,140	test	51286175	NO RECORD
536 20th Street, Oakland, CA	MW-16	1,140	test	51286176	NO RECORD
1911 Telegraph Ave, Oakland, CA	MW-1	1,100	test	51286177	NO RECORD
17th Street b/n Broadway and Telegraph, Oakland, CA	MW-5	1,700	test	51286184	NO RECORD
577 19th Street, Oakland, CA	MW-6	1,380	test	51286185	NO RECORD
19th Street b/n Broadway and Telegraph, Oakland, CA	MW-8	1,350	test	51286186	NO RECORD
552 19th Street, Oakland, CA	MW-1	1,290	test	51286187	NO RECORD
20th Street b/n Broadway and Telegraph, Oakland, CA	MW-9	800	test	51286188	NO RECORD
513 18th Street, Oakland, CA	MW-4	1,500	test	51286189	NO RECORD
300 Lakeside Drive, Oakland, CA	MW-1	1,700	monitoring	51286190	NO RECORD
2100 Harrison Street, Oakland, CA	MW-1	1,800	monitoring	51286191	NO RECORD
2100 Harrison Street, Oakland, CA	MW-2	1,800	monitoring	51286192	NO RECORD
300 Lakeside Drive, Oakland	MW-2	1,700	monitoring	51286194	NO RECORD
21st and Harrison Street, Oakland	MW-3	1,800	monitoring	51286195	NO RECORD
1975 Webster Street, Oakland, CA	MW-1/SB7	1,400	monitoring	51286198	NO RECORD
1975 Webster Street, Oakland, CA	MW-2/SB8	1,400	monitoring	51286199	NO RECORD

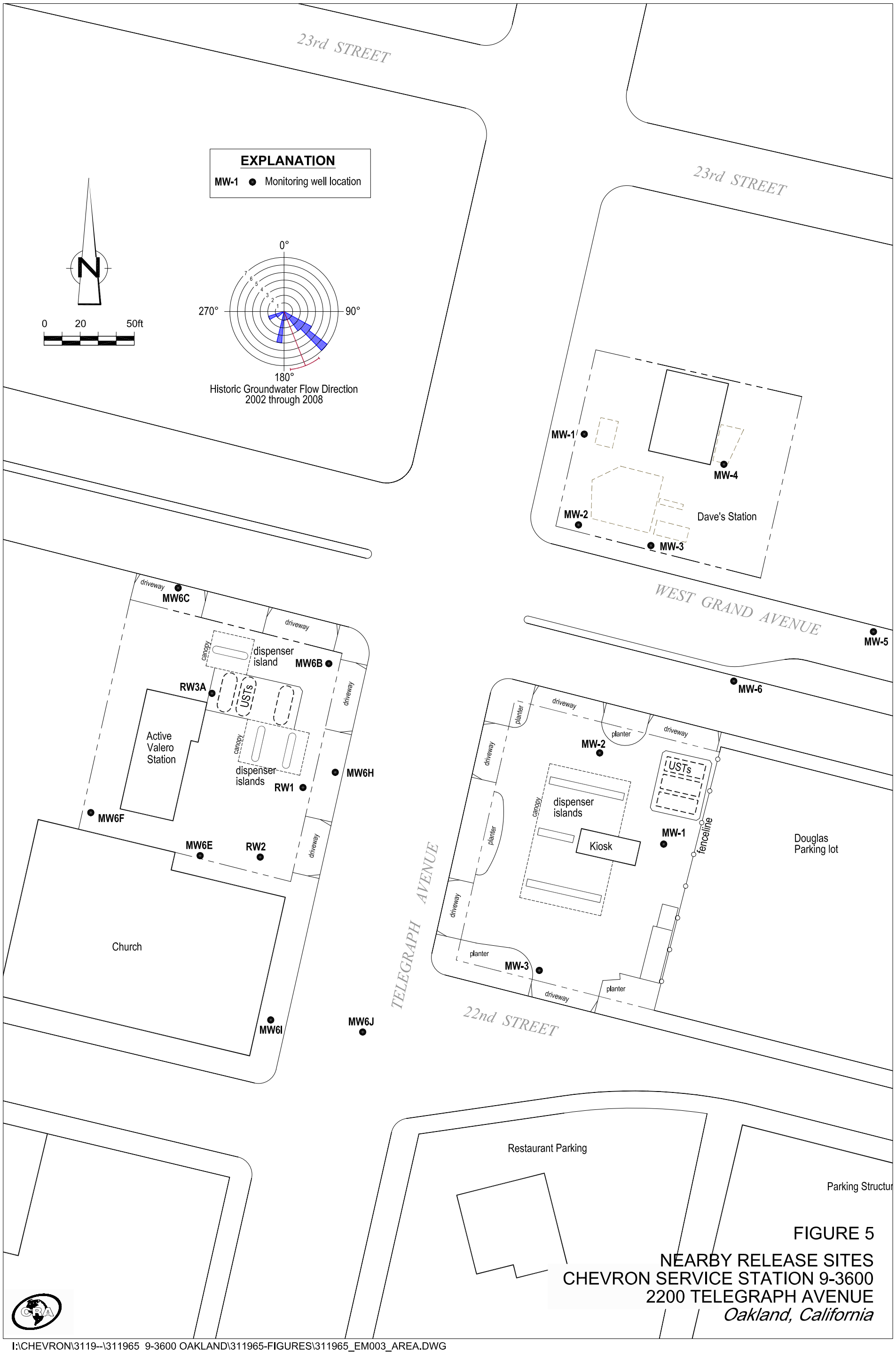
WELL SURVEY DATA
FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES
CHEVRON STATION 9-3600
2200 TELEGRAPH AVE., OAKLAND, CALIFORNIA
(2,000 FOOT RADIUS)

WELL ADDRESS	*WELL ID*	*DISTANCE FROM SITE (FEET)*	*WELL TYPE/USE*	*DWR FILE NAME*	*DESTROYED*
1975 Webster Street, Oakland, CA	MW-3/SB9	1,400	monitoring	51286200	NO RECORD
1975 Webster Street, Oakland, CA	MW-4/SB10	1,400	monitoring	51286201	NO RECORD
1975 Webster Street, Oakland, CA	SB1	1,400	monitoring	51286202	NO RECORD
1975 Webster Street, Oakland, CA	SB2	1,400	monitoring	51286203	NO RECORD
1975 Webster Street, Oakland, CA	SB3	1,400	monitoring	51286204	NO RECORD
1975 Webster Street, Oakland, CA	SB4	1,400	monitoring	51286205	NO RECORD
1975 Webster Street, Oakland, CA	SB5	1,400	monitoring	51286206	NO RECORD
1975 Webster Street, Oakland, CA	SB6	1,400	monitoring	51286207	NO RECORD
One Kaiser Plaza, Oakland, CA	MW-1	1,500	monitoring	51286208	NO RECORD
One Kaiser Plaza, Oakland, CA	MW-2	1,500	monitoring	51286209	NO RECORD
One Kaiser Plaza, Oakland, CA	MW-3	1,500	monitoring	51286210	NO RECORD
One Kaiser Plaza, Oakland, CA	B1	1,500	boring	51286211	NO RECORD
545 17th Street, Oakland, CA	MW-1	1,800	test	51315009	NO RECORD
509 17th Street, Oakland, CA	MW-3	1,750	test	51315010	NO RECORD
No Address	E2	NC	boring	51315011	NO RECORD
No Address	E3	NC	boring	51315012	NO RECORD
No Address	A2	NC	boring	51315013	NO RECORD
No Address	A3	NC	boring	51315014	NO RECORD
No Address	A5	NC	boring	51315015	NO RECORD
No Address	A6	NC	boring	51315016	NO RECORD
No Address	B1	NC	boring	51315017	NO RECORD
No Address	B3	NC	boring	51315018	NO RECORD
No Address	B4	NC	boring	51315019	NO RECORD
No Address	B6	NC	boring	51315020	NO RECORD
No Address	C2	NC	boring	51315022	NO RECORD
No Address	C5	NC	boring	51315023	NO RECORD
No Address	C6	NC	boring	51315024	NO RECORD
No Address	D1	NC	boring	51315025	NO RECORD
No Address	D2	NC	boring	51315026	NO RECORD
No Address	D3	NC	boring	51315027	NO RECORD
No Address	D5	NC	boring	51315028	NO RECORD
No Address	D7	NC	boring	51315029	NO RECORD
No Address	E4	NC	boring	51315030	NO RECORD

WELL SURVEY DATA
FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES
CHEVRON STATION 9-3600
2200 TELEGRAPH AVE., OAKLAND, CALIFORNIA
(2,000 FOOT RADIUS)

WELL ADDRESS	*WELL ID*	*DISTANCE FROM SITE (FEET)*	*WELL TYPE/USE*	*DWR FILE NAME*	*DESTROYED*
No Address	E4.4	NC	boring	51315031	NO RECORD
No Address	E4.7	NC	boring	51315032	NO RECORD
No Address	E5.3	NC	boring	51315033	NO RECORD
No Address	E6	NC	boring	51315034	NO RECORD
Five City Center, Oakland, CA	MW-1,2,3	2,700	monitoring	51315036	NO RECORD
Five City Center, Oakland, CA	B4	2,700	boring	51315037	NO RECORD
Five City Center, Oakland, CA	B1	2,700	boring	51315040	NO RECORD
Five City Center, Oakland, CA	B2	2,700	boring	51315041	NO RECORD
Five City Center, Oakland, CA	B3	2,700	boring	51315042	NO RECORD
17th and Broadway Street, Oakland, CA	B3	1,700	boring	51343201	NO RECORD

Notes:
Compiled from data provided by California Department of Water Resources
Department of Water Resources data is confidential
NC = Not calculated



I:\CHEVRON\3119--\311965 9-3600 OAKLAND\311965-FIGURES\311965_EM003_AREA.DWG

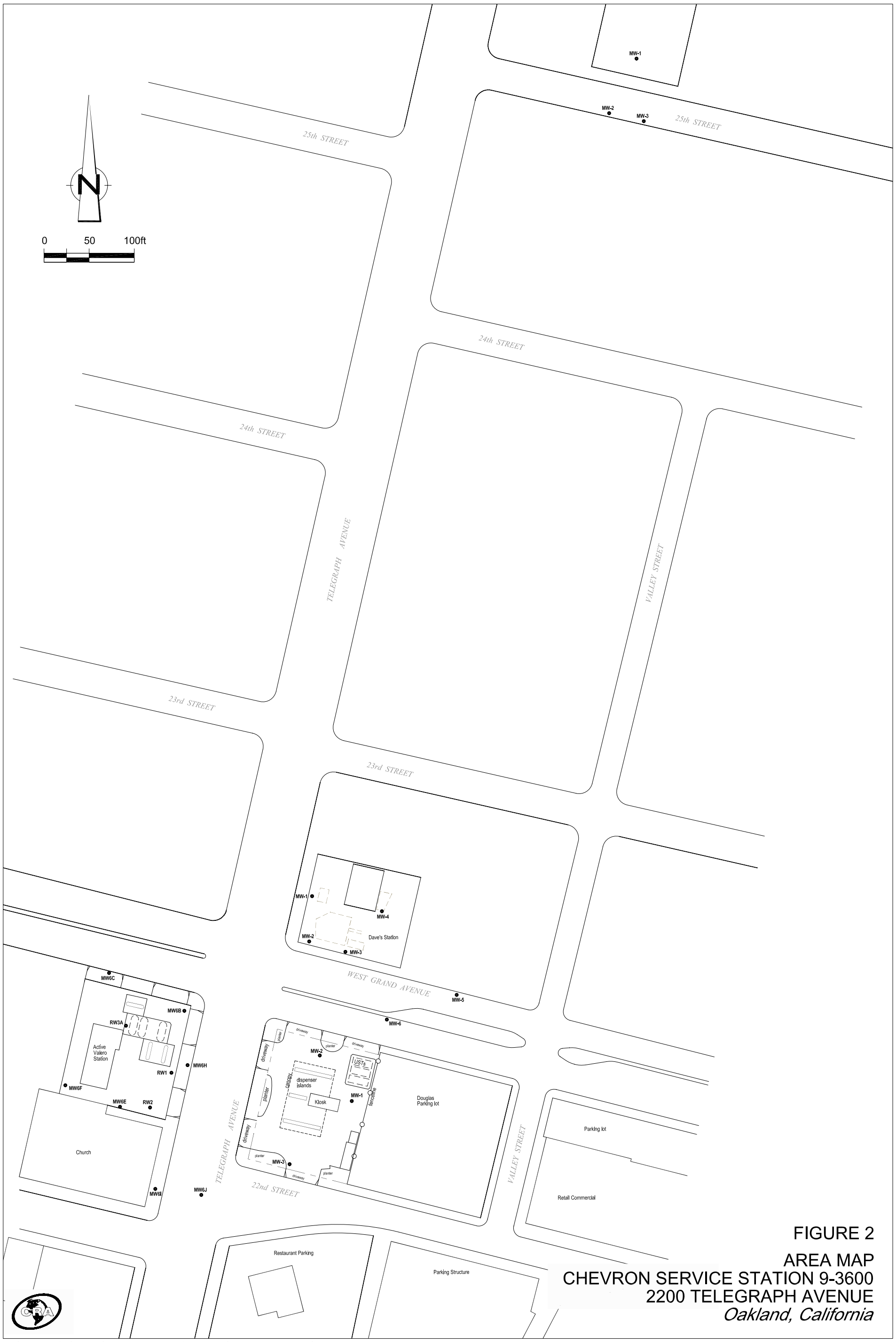


FIGURE 2

AREA MAP
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE
Oakland, California

I:\CHEVRON\3119--\311965 9-3600 OAKLAND\311965-FIGURES\311965_EM003_AREA.DWG