Delta
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Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S.A.
916/638-2085
FAX: 916/638-8385

JAN 2 3 2002

Get cross-section w/ residual HC conc + site plan w/ conc. contours, & - Ast necessary. There is X-sec. w/ residual soil conc when boring were advanced

January 15, 2002

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

Subject: *Risk Management Plan*
ChevronTexaco Service Station No. 9-5542
7007 San Ramon Valley Blvd
Dublin, California
Delta Project No. DG95-542

Dear Ms. Chu:

Enclosed please find a *Risk Management Plan* for the subject site prepared by Delta Environmental Consultants for ChevronTexaco Products Company.

If you have questions or comments regarding this report, please contact me at (916) 536-2612 or Tom Bauhs of ChevronTexaco at (925) 842-8898.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

T. C. Del Frate

Todd Del Frate
Project Manager

TD (RPT003.9-5542)
Enclosures

cc: Tom Bauhs – ChevronTexaco Products Company

JAN 2 3 2002

RISK MANAGEMENT PLAN

ChevronTexaco Service Station No. 9-5542
7007 San Ramon Valley Boulevard
Dublin, California

Prepared for:

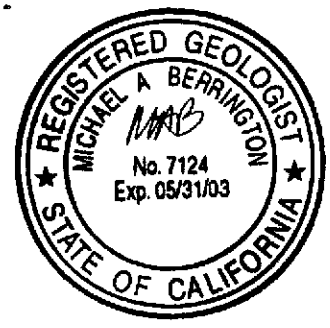
Mr. Thomas Bauhs
ChevronTexaco Products Company
P.O. Box 6004
San Ramon, California 94583

January 15, 2002

Prepared by:

Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

Todd Del Frate
Project Manager



Michael A. Berrington, R.G.
California Registered Geologist
No. 7124

RISK MANAGEMENT PLAN

1.0 INTRODUCTION

Delta Environmental Consultants, Inc. (Delta) has been authorized by ChevronTexaco Products Company (ChevronTexaco) to prepare this Risk Management Plan for ChevronTexaco Service Station No. 9-5542, located at 7007 San Ramon Valley Boulevard, Dublin, Alameda County, California (Figure 1). An environmental investigation identified petroleum hydrocarbons in the soil and groundwater beneath the site. Remedial excavation activities appear to have removed impacted soil. Groundwater beneath the site has been impacted by fuel hydrocarbons and the lateral extent of the impact has been assessed.

There is always some level of uncertainty in subsurface environmental investigations. Although highly unlikely, it is possible that the environmental investigation failed to identify some areas of impacted soil and the future development of the site might encounter impact. This document provides a Risk Management Plan (RMP) for the site in the event soil or groundwater are encountered during construction activities that exhibit obvious evidence of petroleum hydrocarbons, such as strong gasoline or oil odors, or obvious staining of the soil. In Section 2, the compounds of concern (COCs), risk, and sources of risk are summarized. In Section 3, risk management measures are presented. Figures showing the site location and relevant former site features are provided in Appendix A.

2.0 RISK SUMMARY

2.1 Summary of Environmental Work

In February 1990, the subject site underwent reconstruction. During this time, the existing USTs and product lines were excavated and replaced. Soil sampling was performed in the former UST basin and product lines to evaluate the extent of impacted soil. Approximately 500 cubic yards of impacted soil was removed during the removal of the former USTs and product lines. Additional excavation was performed in the former UST basin to remove impacted soil to a depth of 22 feet below surface grade (bsg). Approximately 100 cubic yards of impacted soil was removed during over excavation activities. To facilitate the installation of three 12,000-gallon fiberglass USTs, a new tank basin was excavated southeast of the former tank basin. In addition, dispenser islands and product delivery lines were relocated southeast of the former dispenser islands. Impacted soil

beneath the site has been excavated and disposed of at an appropriate disposal facility. Groundwater beneath the site is impacted and the lateral extent has been assessed.

From March 1990 through June 1996, fifteen borings were advanced in the vicinity of the subject site to delineate the lateral extent of impacted soil and groundwater beneath the site. Soil samples collected during environmental investigations ranged in depth between approximately five and 33 feet bsg. Chemical analytical results indicate that soil beneath the subject site is impacted by petroleum hydrocarbons, but appears to be limited to the northeastern portion of the site. This area encompasses the former UST basin and former used oil UST basin. In addition, a limited area in the vicinity of the former product lines appears to have been impacted by petroleum hydrocarbons. Twelve of the soil borings were converted into groundwater monitoring wells. Groundwater monitoring and sampling of the site wells has been performed since April 1990. The historical groundwater flow direction has been to the east. The historical depth to water beneath the site has ranged from a high of 15.42 feet to a low of 29.80 feet below the top of casings.

In September 1998, soil sampling was conducted beneath the product distribution lines and product dispensers to evaluate whether soil had been impacted by petroleum hydrocarbons. Six soil samples were collected and submitted for chemical analysis. Chemical analytical results from soil samples collected beneath the product lines and dispensers did not contain detectable concentrations of petroleum hydrocarbons. Additional composite soil samples were collected from approximately 200 cubic yards of stockpiled soil. The soil was disposed of at BFI's Vasco Road Landfill in Livermore, California.

Approximately 800 cubic yards of soil was excavated and removed from the site between 1990 and 1998. Based on the soil samples collected from the former UST basin, former dispenser islands and product lines and from beneath the current dispenser islands and product lines, soil impacted by petroleum hydrocarbons has been assessed.

Tables containing chemical analytical data from soil and groundwater samples collected during these investigations and figures showing the locations of former site features, borings, and soil samples are provided in Appendix A. Observations regarding the data are listed below.

- The highest hydrocarbon concentrations were detected in soil samples collected from the base of the former UST basin at a depth of 22 feet bsg. The two soil samples contained 1,300 and 3,100 parts per million (ppm) of total petroleum hydrocarbons as gasoline (TPHg).

- The lateral extent of hydrocarbons in unsaturated soil has been defined by soil samples collected from the limits of the former UST and used oil tank basins, and product lines. The lateral extent of hydrocarbons in unsaturated soil to the east of the subject site has been assessed by boring B-3, to the north by boring B-4, to the west by well boring MW-2, and to the south by well boring MW-3.

- Benzene was detected at the excavation limits of the former UST basin. Low level concentrations of benzene were also detected in two soil samples collected from the former product lines. Benzene concentrations were detected in several soil samples collected from borings advanced at the site at depths ranging between 10 and 33.5 feet bsg. A majority of the soil samples that contained detectable concentrations of benzene were collected below the historical depth to groundwater (approximately 15 to 29 feet bsg) beneath the site. These detections were probably due to the presence of impacted groundwater.

- The fuel oxygenate MTBE was not analyzed in the soil samples collected from the UST basin or the product line trenches. Soil samples from the 15 soil borings advanced were not analyzed for MTBE. Total Oil and Grease (TOG) were detected in the soil samples collected from the former used oil UST basin and from a soil sample collected from well boring MW-4, east of the former used oil UST basin.

- Groundwater beneath the site has ranged between 15 and 29 feet bsg. Groundwater samples collected in the vicinity of the site contained TPHg up to 190,000 parts per billion (ppb) and benzene up to 29,000 ppb. MTBE has been detected in several wells in the vicinity of the site, but appears to be limited in extent. The highest concentration of MTBE (250 ppb) detected in groundwater was collected from well MW-4, located at the eastern site boundary. This sample was not confirmed by EPA Method 8260.

- Additional chemicals of concern such as TOG, 1,2-dichloroethane (1,2-DCA), ethylene dibromide (EDB), and halogenated volatile organic compounds (HVOCs) have been discontinued from the sampling program and do not appear to present a risk to human health or the environment.

- Based on the site historical records and the chemical analytical data suggesting that impacted soil and groundwater is assessed, it appears no other unknown sources of petroleum hydrocarbons are present beneath the site.

2.2 Risk Summary

Potential sources of hydrocarbon impact (UST, product piping) have been removed and replaced. Hydrocarbon impact to soil has been assessed, and the impacted soil has been has been excavated and properly disposed of at an off-site facility. Groundwater beneath the site is impacted with dissolved hydrocarbons and the lateral extent of the impact has been assessed. A Risk-Based Corrective Action analysis has been performed for this site, and health-based goals have been established. Although it appears that impacted soil has been assessed and remediated by excavation, it is possible that environmental activities performed to date may have missed pockets of impacted soil. Possible scenarios where previously impacted groundwater or unidentified hydrocarbon-impacted soil might be encountered and human or environmental receptors are exposed to hydrocarbons are discussed below:

- Construction workers engaged in subsurface piping or foundation excavation at the site could be exposed to hydrocarbon-impacted soil if excavating in unexplored portions of the site.

- Construction workers engaged in subsurface piping or foundation excavation at the site could be exposed to hydrocarbon impacted groundwater if the excavation extends deeper than 15 feet bsg.

- Construction dewatering could take place at or near the site. Untreated groundwater could be inadvertently discharged to the street or storm drain.

- Soil excavated from the site might be planned for use as fill for landscaping. If this soil is impacted with hydrocarbons, it could expose workers or residents to petroleum hydrocarbons.

- If excavations intersect previous unidentified pockets of highly impacted soil, atmospheric conditions such as pressure and temperature, could create a situation where vapor phase hydrocarbons accumulate at the bottom of a trench or excavation. Workers might then be exposed to vapor phase hydrocarbons, or the mixture of air and vapor phase hydrocarbons could reach the lower explosive limit, and an ignition source could cause a fire or explosion.

3.0 RISK MANAGEMENT

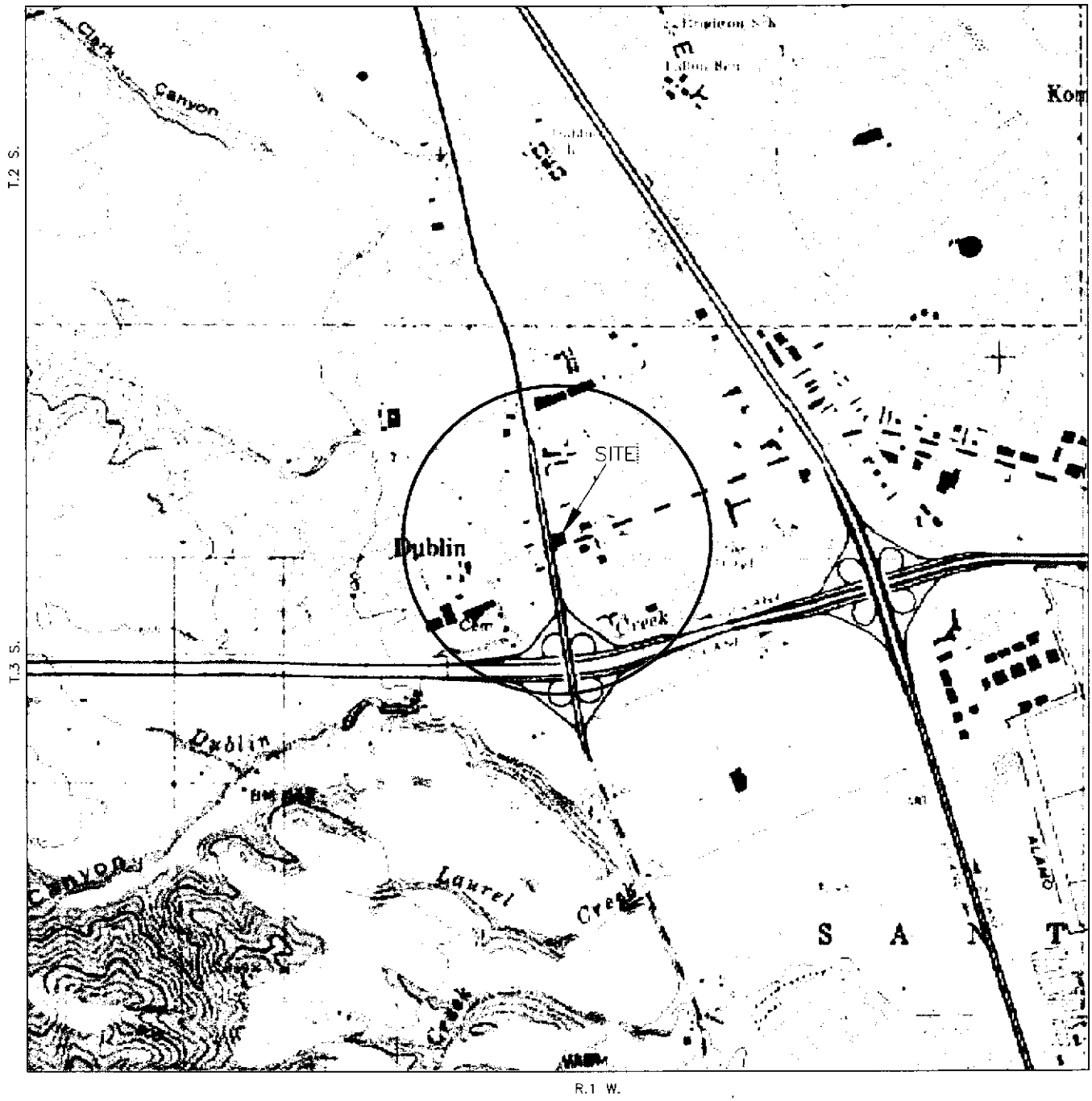
It appears highly unlikely exposure risks identified in Section 2 above will be realized at this site. Soil impacted by petroleum hydrocarbons is not likely to be encountered during construction activities. All areas of known petroleum usage (USTs, lifts, piping) were investigated and remediated. Soil borings drilled outside these areas have assessed hydrocarbon impacted soil. The risk of either a resident or construction worker being exposed to petroleum hydrocarbons appears very low. For informational purposes a 1985 Material Safety Data Sheet for leaded ChevronTexaco Gasoline is attached in Appendix B.

In the event that construction activities encounter soil that exhibits an odor of gasoline or other petroleum product, has free flowing oil or other petroleum like substance, or is obviously stained or discolored relative to surrounding soil, it is recommended work on that portion of the project be halted and either Delta (916) 638-2085 or ChevronTexaco (925) 842-8898 should be contacted immediately. ChevronTexaco will dispatch appropriately trained personnel to evaluate the situation and collect samples if necessary. ChevronTexaco will also notify the appropriate regulatory agency. If petroleum hydrocarbons are present, ChevronTexaco will arrange for appropriate remedial measures to be implemented. Excavated soil exhibiting petroleum impact will be properly disposed of by ChevronTexaco. Disposal of soil that has not been impacted by petroleum (as determined by chemical analysis) will be the responsibility of the property owner or developer. Impacted soil should not be used for landscaping or backfill at the site, but should be removed to an appropriately licensed disposal facility.

Given the depth to groundwater at this site (historical high of 15 feet bsg), it is possible that impacted groundwater might be encountered during foundation or utility trenching. If it becomes necessary to pump groundwater at this site (construction dewatering, for example), it is recommended ChevronTexaco be contacted prior to initiating any pumping activities. ChevronTexaco will contact the appropriate regulatory agency, will assist in obtaining the necessary permits, and will provide assistance with any required remedial equipment or personnel required. Because the site will be supplied by a municipal water supply, groundwater extraction wells should not be necessary at the site. It is recommended ChevronTexaco be contacted prior to any attempt to install a groundwater extraction well at the site for any purpose.

4.0 Limitations

Evaluations of the subsurface conditions at the site that serve as a basis for this RMP are inherently limited due to the limited number of observation points. There may be variations in subsurface conditions in areas away from the sample points. There are no representations, warranties, or guarantees that the points selected for sampling are representative of the entire site. The recommendations provided herein reflect the sample conditions at specific locations at a specific point in time. No other interpretations, representations, warranties, guarantees, expressed or implied, are included or intended in this RMP. Additional work, including further subsurface investigation, might reduce the inherent uncertainties associated with this RMP.



North

GENERAL NOTES:
BASE MAP FROM U.S.G.S.
DUBLIN, CA
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

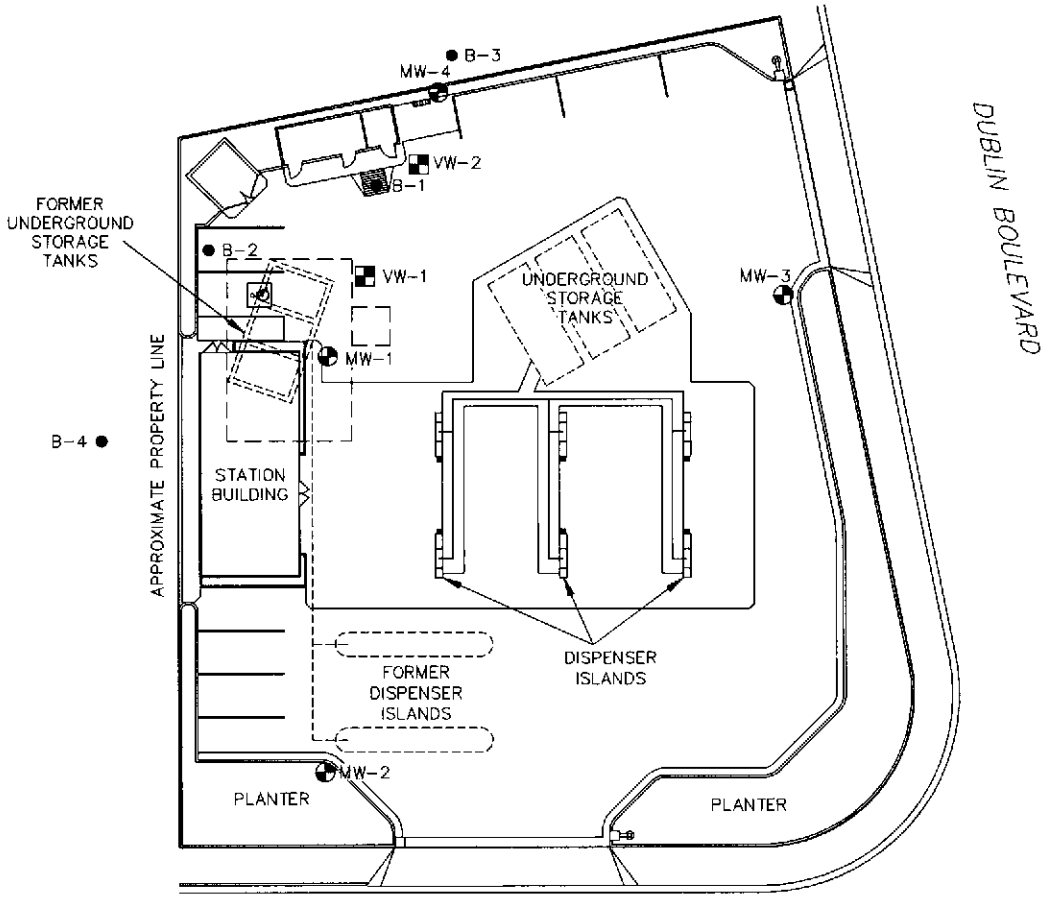
0 2000 FT

SCALE 1:24,000

FIGURE 1
SITE LOCATION MAP
CHEVRON SERVICE STATION NO. 9-5542
7007 SAN RAMON ROAD
DUBLIN, CA.

PROJECT NO. DG95-542	DRAWN BY M.L. 8/10/00
FILE NO. DG95542A	PREPARED BY JWS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND:

- MW-1 MONITORING WELL LOCATION
- VW-2 VADOSE MONITORING WELL LOCATION
- B-1 SOIL BORING LOCATION

North

0 40 FT

SCALE

NOTE: FORMER PUMP ISLANDS LOCATED FROM A BLAIN TECH SERVICES HAND SKETCH DRAWING.

FIGURE 2

SITE MAP

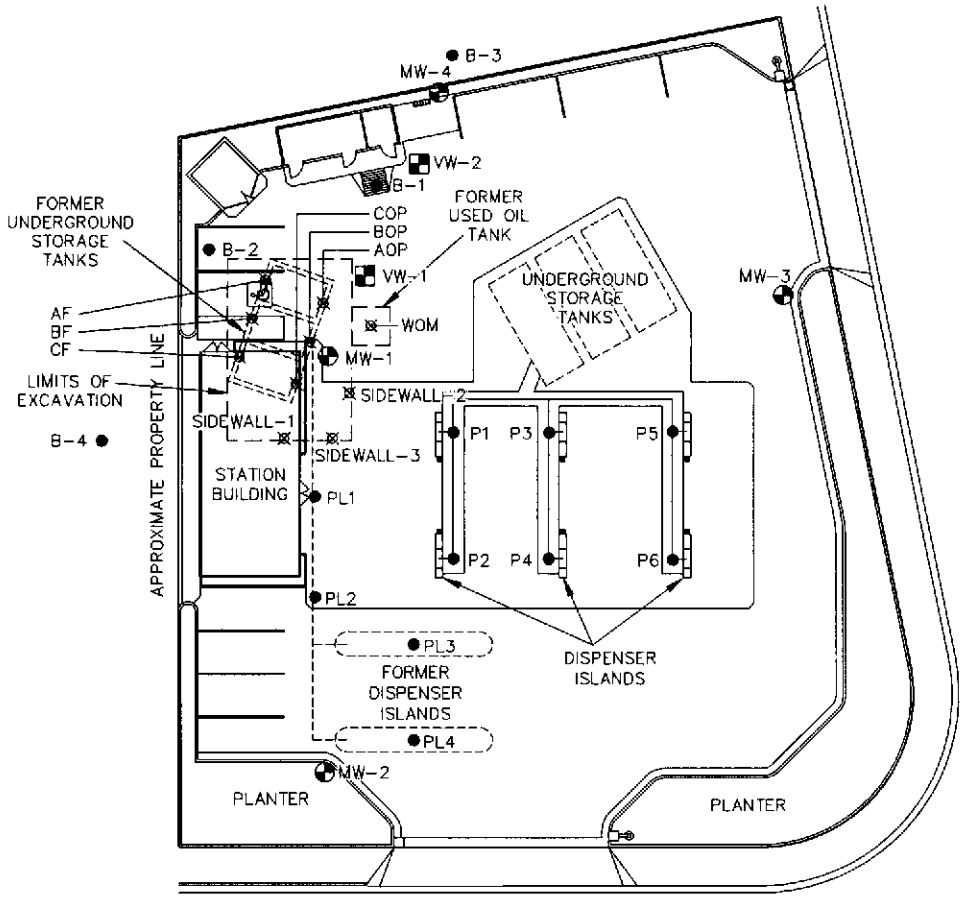
CHEVRON SERVICE STATION NO. 9-5542

7007 SAN RAMON ROAD

DUBLIN, CA.

PROJECT NO. DG95-542	DRAWN BY M.L. 7/28/00
FILE NO. DG95542B	PREPARED BY JWS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND:

MW-1	MONITORING WELL LOCATION
VW-2	VADOSE MONITORING WELL LOCATION
B-1	SOIL BORING LOCATION
P1	SOIL SAMPLE LOCATION
CF	EXCAVATION SOIL SAMPLE LOCATION

North

0 40 FT

SCALE

NOTE: FORMER PUMP ISLANDS LOCATED FROM A BLAIN TECH SERVICES HAND SKETCH DRAWING.

FIGURE 3

SOIL SAMPLE LOCATION MAP

CHEVRON SERVICE STATION NO. 9-5542

7007 SAN RAMON ROAD

DUBLIN, CA.

PROJECT NO. DG95-542	DRAWN BY M.L. 8/1/00
FILE NO. DG95542B	PREPARED BY JWS
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

TABLE 1

CUMULATIVE SOIL ANALYTICAL RESULTS FROM UST AND PRODUCT LINE REMOVAL

Chevron Station No. 9-5542
7007 San Ramon Road
Dublin, California

Sample ID	Sample Depth (ft)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH as gasoline (mg/kg)	MTBE (mg/kg)	TOG (mg/kg)	VOCs (mg/kg)	Semi-VOC's (mg/kg)
AF	16.0	02/13/90	0.26	2.5	2.5	15	190	NA	NA	NA	NA
Aop	22.0	02/13/90	60	219	69	355	3,100	NA	NA	NA	NA
BF	16.0	02/13/90	0.046	0.4	0.13	1.2	8.6	NA	NA	NA	NA
Bop	22.0	02/14/90	20	98	33	160	1,300	NA	NA	NA	NA
CF	15.0	02/13/90	0.12	0.4	0.11	1.1	12	NA	NA	NA	NA
Cop	22.0	02/13/90	3.0	5.0	0.5	3.0	18	NA	NA	NA	NA
Sidewall-1	13.5	02/13/90	0.022	0.013	0.023	0.07	1.1	NA	NA	NA	NA
Sidewall-2	8.3	02/13/90	<0.005	<0.005	<0.005	0.0068	<0.5	NA	NA	NA	NA
Sidewall-3	7.5	02/13/90	0.27	0.89	0.4	2.8	18	NA	NA	NA	NA
WoM	8.5	02/13/90	0.0046	0.019	<0.005	0.49	0.55	NA	12	ND	ND
WoM	10.5	02/13/90	<0.005	<0.005	<0.005	0.02	<0.5	NA	12	ND	ND
PL1	1.5	02/08/90	0.85	0.017	0.2	1.2	9.0	NA	NA	NA	NA
PL2	3.0	02/08/90	<0.005	<0.005	<0.005	0.012	<0.5	NA	NA	NA	NA
PL3	3.0	02/08/90	0.0095	0.011	0.16	0.15	3.9	NA	NA	NA	NA
PL4	3.0	02/08/90	<0.005	<0.005	0.16	0.072	2.8	NA	NA	NA	NA
P1	3.0	09/16/98	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA	NA	NA
P2	3.0	09/16/98	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA	NA	NA
P3	3.0	09/16/98	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA	NA	NA
P4	3.0	09/16/98	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA	NA	NA
P5	3.0	09/16/98	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA	NA	NA
P6	3.0	09/16/98	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA	NA	NA

TABLE 1

CUMULATIVE SOIL ANALYTICAL RESULTS FROM UST AND PRODUCT LINE REMOVAL

Chevron Station No. 9-5542
7007 San Ramon Road
Dublin, California

Sample ID	Sample Depth (ft)	Sample Date	Antimony (mg/kg)	Arsenic (mg/kg)	Beryllium (mg/kg)	Cadium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)
WoM	8.5	02/13/90	<25	140	<1	<3	8	21	15	0.02	23	<50	<5	25	19
WoM	10.5	02/13/90	<25	85	<1	<3	5	16	12	<0.02	16	<50	<5	20	17

TPH = Total petroleum hydrocarbons using EPA Method 8015 Modified, or DHS-LUFT Method.
Ft = Feet below surface grade.
mg/kg = milligrams per kilogram.
TOG = Total oil and grease.
VOC's = Volatile organic compounds.
Semi-VOC's = Semi volatile organic compounds.

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS FROM DRILLING

Chevron Station No. 9-5542
7007 San Ramon Road
Dublin, California

Sample ID	Sample Depth (ft)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH as gasoline (mg/kg)	TPH as diesel (mg/kg)	TOG (mg/kg)
MW-1	25.0	03/27/90	38	150	34	180	1,300	NA	NA
	30.0	03/27/90	1	4	4	18	270	NA	NA
MW-2	15.0	03/26/90	<0.005	<0.005	<0.005	<0.005	<10	NA	NA
MW-3	15.0	03/26/90	<0.005	<0.005	<0.005	<0.015	<10	NA	NA
	20.0	03/26/90	<0.005	0.01	0.01	0.12	<10	NA	NA
	25.0	03/26/90	<0.005	0.02	0.05	0.28	51	NA	NA
MW-4	15.0	03/28/90	NA	NA	NA	NA	<10	<10	NA
	20.0	03/28/90	NA	NA	NA	NA	<10	<10	NA
	25.0	03/28/90	2.7	23	5.6	46	<10	<10	39
MW-5	28.5	06/11/91	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
MW-6	26.0	06/12/91	0.006	0.006	0.06	0.12	5	NA	NA
MW-7	26.0	06/11/91	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
MW-8	20.0	12/06/91	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
MW-9	24.5	06/08/94	0.07	0.11	0.58	3.4	<1.0	NA	NA
	33.5	06/09/94	0.038	<0.005	<0.005	0.008	<1.0	NA	NA
VW-1	5.0	11/24/92	<0.005	0.006	<0.005	<0.005	<1.0	NA	NA
	14.0	11/24/92	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
	14.5	11/24/92	<0.005	0.058	0.029	1.4	2	NA	NA
	19.5	11/24/92	0.081	5.6	3.4	20	250	NA	NA
	24.0	11/24/92	2.4	60	15	99	990	NA	NA
	27.0	11/24/92	2.0	15	5.4	27	230	NA	NA
	31.0	11/24/92	<0.005	0.73	1	3.9	130	NA	NA
VW-2	5.0	11/25/92	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
	10.0	11/25/92	0.006	<0.005	<0.005	<0.005	<1.0	NA	NA
	15.0	11/25/92	<0.005	<0.005	<0.005	0.009	<1.0	NA	NA
	20.0	11/25/92	0.65	8.1	2.6	13	220	NA	NA
	25.0	11/25/92	2.7	23	9	49	650	NA	NA
	30.0	11/25/92	0.07	0.001	0.012	0.025	1	NA	NA
B-1	5.5	06/08/94	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
	10.5	06/08/94	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
	15.5	06/08/94	0.081	0.19	0.02	0.13	2	NA	NA
	20.5	06/08/94	5.3	72	23	120	1,600	NA	NA

TABLE 2

CUMULATIVE SOIL ANALYTICAL RESULTS FROM DRILLING

Chevron Station No. 9-5542
7007 San Ramon Road
Dublin, California

Sample ID	Sample Depth (ft)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH as gasoline (mg/kg)	TPH as diesel (mg/kg)	TOG (mg/kg)
B-2	20.5	06/08/94	0.06	0.026	0.031	0.19	2	NA	NA
	23.5	06/08/94	0.13	0.037	0.12	0.83	8	NA	NA
B3	6.0	06/12/96	NA	NA	NA	NA	NA	NA	NA
	12.0	06/12/96	NA	NA	NA	NA	NA	NA	NA
	16.0	06/12/96	NA	NA	NA	NA	NA	NA	NA
	18.0	06/12/96	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
B4	6.0	05/04/92	NA	NA	NA	NA	NA	NA	NA
	12.0	05/04/92	<0.005	<0.005	<0.005	<0.005	<1.0	NA	NA
	18.0	05/04/92	NA	NA	NA	NA	NA	NA	NA

METALS

Sample ID	Sample Depth (ft)	Sample Date	Cadium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
MW-4	15.0	03/28/90	<3	26	37	39
	20.0	03/28/90	<3	25	41	44
	25.0	03/28/90	<3	13	26	28
MW-5	28.5	06/11/91	NA	NA	<10	NA
MW-6	26.0	06/12/91	NA	NA	<10	NA
MW-7	26.0	06/12/91	NA	NA	<10	NA

TPH = Total petroleum hydrocarbons using EPA Method 8015 Modified, or DHS-LUFT Method.
TOG = Total oil and grease.
mg/kg = milligrams per kilogram.
Ft = Feet below surface grade.
NA = Not analyzed.

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-1														
4/3-4/90		363.98	--	--	46,000	8,400	7,400	860	5,600	--	--	--	1.04	--
4/3-4/90	(D)	363.98	--	--	43,000	8,400	7,200	840	5,200	--	--	--	1.1	--
05/31/91		363.98	338.31	25.67	31,000	7,400	2,500	630	2,100	--	--	2.0	--	ND[3]
05/31/91		363.98	--	--	--	--	--	--	--	--	<5000	--	--	--
06/21/91		363.98	337.75	26.23	--	--	--	--	--	--	--	--	--	--
07/17/91		363.98	337.45	26.53	--	--	--	--	--	--	--	--	--	--
09/20/91		363.98	--	--	31,000	3,000	2,800	610	3,100	--	--	0.6	--	ND[3]
10/04/91		363.98	336.08	27.90	--	--	--	--	--	--	--	--	--	--
12/19/91		363.98	335.86	28.12	20,000	5,200	1,700	560	2,000	--	--	3.3	--	ND[3]
03/19/92		363.98	339.35	24.63	30,000	8,500	3,600	590	2,400	--	--	2.7	--	ND[3]
06/19/92		364.32	338.09	26.23	25,000	1,100	2,000	520	1,800	--	--	--	--	--
09/22/92		364.32	336.59	27.73	21,000	8,000	3,500	670	2,900	--	--	--	--	--
12/18/92		364.32	337.56	26.76	79,000	12,000	12,000	1,600	8,500	--	--	--	--	--
03/10/93[1]		364.32	--	--	45,000	16,000	14,000	1,100	5,500	--	--	--	--	--
03/22/93[2]		364.32	--	--	--	--	--	--	--	--	--	--	--	--
06/14/93[2]		364.32	--	--	--	--	--	--	--	--	--	--	--	--
07/25/93[2]		364.32	--	--	--	--	--	--	--	--	--	--	--	--
09/23/93[2]		364.32	--	--	--	--	--	--	--	--	--	--	--	--
03/21/94		364.32	338.16	26.16	5,900	1,600	560	140	330	--	--	--	--	--
07/06/94		364.32	337.12	27.20	--	--	--	--	--	--	--	--	--	--
08/26/94		364.32	--	--	20,000	5,300	4,900	610	2,900	--	--	--	--	--
09/22/94		364.32	336.88	27.44	42,000	10,000	8,300	1,000	4,900	--	--	--	--	--
12/08/94		364.32	337.62	26.70	38,000	9,000	7,700	830	3,800	--	--	--	--	--
03/06/95		364.32	340.64	23.68	47,000	9,400	7,100	750	3,400	--	--	--	--	--
06/08/95		364.32	341.64	22.68	170,000	29,000	29,000	2,600	13,000	--	--	--	--	--
09/13/95		364.32	339.22	25.10	39,000	11,000	10,000	1,100	4,900	--	--	--	--	--
12/16/95		364.32	338.24	26.08	40,000	7,000	6,300	570	2,500	<2.5	--	--	--	--
03/28/96		364.32	342.12	22.20	16,000	3,700	3,200	330	1,500	<120	--	--	--	--
06/27/96		364.32	340.12	24.20	40,000	6,900	8,700	830	4,000	<120	--	--	--	--
09/30/96		364.32	338.70	25.62	190,000	24,000	31,000	2,900	14,000	380	--	--	--	--
12/30/96		364.32	340.11	24.21	130,000	25,000	32,000	2,900	15,000	<500	--	--	--	--
03/11/97		364.32	340.60	23.72	76,000	11,000	13,000	1,000	6,500	<500	--	--	--	--
06/10/97		364.32	339.00	25.32	63,000	9,900	15,000	1,400	7,000	<500	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-1 (cont)													
10/01/97	364.32	338.31	26.01	48,000	8,400	12,000	1,200	5,700	<500	--	--	--	--
12/17/97	364.32	--	--	--	--	--	--	--	--	--	--	--	--
03/29/98	364.32	DISCONTINUED		--	--	--	--	--	--	--	--	--	--
09/12/98[5]	364.32	340.10	24.22	61,000	10,000	13,000	1,700	7,600	<125/143[6]	--	--	--	--
09/29/99[4]	364.32	339.04	25.28	423	65	48.8	12.4	43.7	8.0	--	<2.0	<2.0	--
03/17/00	364.32	341.34	22.98	61,200	10,200	15,300	1890	8540	<2000	--	--	--	--
08/28/00	364.32	338.30	26.02	2,000[15]	590	470	110	390	25	--	--	--	--
02/25/01	364.32	338.84	25.48	440[15]	120	33	8.5	260	<13	--	--	--	--
09/17/01	**364.32**	**337.65**	**26.67**	**16,000**	**1,500**	**1,900**	**340**	**1,400**	**<20**	**--**	**--**	**--**	**--**
MW-2													
4/3-4/90	364.19	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--	--	<0.02	--
05/31/91	364.19	338.68	25.51	100	3.1	4.2	0.7	2.0	--	--	<0.5	--	ND[3]
05/31/91	364.19	--	--	--	--	--	--	--	--	<5000	--	--	--
06/21/91	364.19	338.06	26.13	--	--	--	--	--	--	--	--	--	--
07/17/91	364.19	337.73	26.46	--	--	--	--	--	--	--	--	--	--
09/20/91	364.19	--	--	68	1.3	1.6	0.8	3.0	--	--	--	--	--
10/04/91	364.19	336.40	27.79	--	--	--	--	--	--	--	--	--	--
12/19/91	364.19	336.13	28.06	<50	0.6	1.2	0.8	2.5	--	--	--	--	--
03/19/92	364.19	339.73	24.46	<50	2.5	2.0	1.1	2.4	--	--	--	--	--
06/19/92	364.64	338.54	26.10	<50	<0.5	0.6	0.7	1.2	--	--	--	--	--
09/22/92	364.64	337.04	27.60	200	16	42	6.1	32	--	--	--	--	--
12/18/92	364.64	338.32	26.32	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/22/93	364.64	343.29	21.39	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/14/93	364.64	339.49	25.15	--	--	--	--	--	--	--	--	--	--
07/25/93	364.64	340.12	24.52	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/23/93	364.64	339.01	25.63	72	12	4.0	6.0	8.0	--	--	--	--	--
12/22/93	364.64	338.30	26.34	1,600	25	<0.5	3.8	4.8	--	--	--	--	--
03/21/94	364.64	338.81	25.83	<50	0.7	3.3	<0.5	1.9	--	--	--	--	--
06/29/94	364.64	--	--	52	0.8	0.9	0.8	1.9	--	--	--	--	--
07/06/94	364.64	337.94	26.70	--	--	--	--	--	--	--	--	--	--
09/22/94	364.64	337.82	26.82	<50	0.7	<0.5	<0.5	0.6	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-5542
7007 San Ramon Valley Boulevard
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-2 (cont)													
12/08/94	364.64	338.36	26.28	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/06/95	364.64	341.37	23.27	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/08/95	364.64	342.26	22.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/13/95	364.64	339.95	24.95	<50	<0.5	0.8	<0.5	0.8	--	--	--	--	--
12/16/95	364.64	338.86	25.78	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/28/96	364.64	343.30	21.34	<50	0.8	5.6	1.0	6.2	<5.0	--	--	--	--
06/27/96	364.64	340.65	23.99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
09/30/96	364.64	339.50	25.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/30/96	364.64	341.03	23.61	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
03/11/97	364.64	341.47	23.17	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/10/97	364.64	339.92	24.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
10/01/97	364.64	338.79	25.85	<50	1.0	1.2	<0.5	1.7	<5.0	--	--	--	--
12/17/97	364.64	339.66	24.98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/29/98	364.64	344.30	20.34	110	20	12	4.3	14	5.4	--	--	--	--
09/12/98	364.64	341.05	23.59	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/26/99	364.64	341.30	23.34	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--
09/29/99	364.64	339.63	25.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
NOT MONITORED/SAMPLED													
MW-3													
4/3-4/90	361.92	--	--	2,200	36	5.0	6.0	17	--	--	--	<0.02	--
05/31/91	361.92	338.72	23.20	2,200	130	11	31	78	--	--	19	--	ND[3]
05/31/91	361.92	--	--	--	--	--	--	--	--	<5000	--	--	--
06/21/91	361.92	337.79	24.13	--	--	--	--	--	--	--	--	--	--
07/17/91	361.92	337.73	24.59	--	--	--	--	--	--	--	--	--	--
09/20/91	361.92	335.94	25.98	2,200	190	6.0	24	32	--	--	--	--	--
12/19/91	361.92	335.68	26.24	640	73	27	17	56	--	--	--	--	--
03/19/92	361.92	339.46	22.46	4,500	1,000	15	91	240	--	--	--	--	--
06/19/92	362.26	337.94	24.32	1,100	89	3.3	9.1	13	--	--	--	--	--
09/22/92	362.26	336.42	25.84	1,400	81	51	15	49	--	--	--	--	--
12/18/92	362.26	337.86	24.40	1,100	2.0	1.1	53	38	--	--	--	--	--
03/22/93	362.26	342.54	19.72	1,600	96	9.0	14	91	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542
7007 San Ramon Valley Boulevard
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-3 (cont)													
06/14/93	362.26	338.74	23.52	--	--	--	--	--	--	--	--	--	--
07/25/93	362.26	339.05	23.21	1,200	19	6.0	2.0	5.0	--	--	--	--	--
09/23/93	362.26	338.24	24.02	1,500	35	<0.5	5.0	13	--	--	--	--	--
12/22/93	362.26	337.59	24.67	1,500	26	<0.5	3.9	4.9	--	--	--	--	--
03/21/94	362.26	338.21	24.05	1,400	22	14	1.1	5.3	--	--	--	--	--
06/29/94	362.26	--	--	1,700	90	6.1	20	81	--	--	--	--	--
07/06/94	362.26	337.18	25.08	--	--	--	--	--	--	--	--	--	--
09/22/94	362.26	337.48	24.78	2,600	72	7.6	110	370	--	--	--	--	--
12/08/94	362.26	337.91	24.35	2,700	32	<0.5	100	140	--	--	--	--	--
03/06/95	362.26	340.79	21.47	1,000	4.0	9.9	8.8	7.7	--	--	--	--	--
06/08/95	362.26	341.27	20.99	1,500	13	3.2	12	17	--	--	--	--	--
09/13/95	362.26	338.75	23.51	2,100	12	79	76	420	--	--	--	--	--
12/16/95	362.26	338.26	24.00	650	<0.5	<0.5	4.4	6.5	12	--	--	--	--
03/28/96	362.26	342.36	19.90	1,500	4.3	6.5	60	100	15	--	--	--	--
06/27/96	362.26	340.28	21.98	1,200	<0.5	<0.5	1.9	2.0	13	--	--	--	--
09/30/96	362.26	338.44	23.82	620	<0.5	<0.5	<0.5	0.8	10	--	--	--	--
12/30/96	362.26	339.96	22.30	1,200	0.6	<0.5	0.6	0.7	12	--	--	--	--
03/11/97	362.26	340.75	21.51	1,400	<0.5	3.1	<0.5	0.7	32	--	--	--	--
06/10/97	362.26	338.66	23.60	1,400	1.8	4.8	0.8	1.1	18	--	--	--	--
10/01/97	362.26	337.53	24.73	1,100	0.6	2.2	1.0	1.3	7.8	--	--	--	--
12/17/97	362.26	338.99	23.27	450[7]	7.9	1.2	<1.0	1.5	11	--	--	--	--
03/29/98	362.26	342.01	20.25	890	0.84	1.4	1.3	0.68	100	--	--	--	--
09/12/98	362.26	340.38	21.88	740[7]	<0.5	<0.5	<0.5	<0.5	5.4	--	--	--	--
03/26/99	362.26	339.83	22.43	661	<0.5	34.9	0.848	1.36	5.68	--	--	--	--
09/29/99	362.26	338.63	23.63	348	0.975	0.58	<0.5	0.618	<5.0	--	--	--	--

NOT MONITORED/SAMPLED

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-4													
4/3-4/90	362.70	--	--	43,000	4,000	5,000	790	5,500	--	18,000	--	<0.02	--
4/3-4/90	362.70	--	--	--	6,000	8,200	1,500	--	--	--	--	--	--
05/31/91	362.70	338.03	24.67	34,000	2,900	2,900	680	3,300	--	--	<0.5	--	ND[3]
05/31/91	362.70	--	--	<5000	--	--	--	--	--	--	--	--	--
06/21/91	362.70	337.39	25.31	--	--	--	--	--	--	--	--	--	--
07/17/91	362.70	336.97	25.73	--	--	--	--	--	--	--	--	--	--
09/20/91	362.70	--	--	37,000	4,000	3,200	580	3,000	--	--	9.2	--	ND[3]
10/04/91	362.70	335.62	27.08	--	--	--	--	--	--	--	--	--	--
12/19/91	362.70	335.46	27.24	41,000	5,500	4,900	1,000	4,400	--	--	17	--	ND[3]
03/19/92	362.70	339.04	23.66	21,000	3,800	2,900	500	3,200	--	--	15	--	ND[8]
06/19/92	363.07	337.74	25.33	27,000	1,800	1,600	570	1,900	--	<5000	--	--	--
09/22/92	363.07	336.17	26.90	20,000	4,100	2,700	670	3,200	--	<5000	--	--	--
12/18/92	363.07	337.45	25.62	15,000	2,200	2,000	370	1,600	--	<5000	--	--	--
03/22/93	363.07	342.27	20.80	41,000	3,900	5,100	840	4,500	--	5000	--	--	--
06/14/93	363.07	337.34	25.73	--	--	--	--	--	--	--	--	--	--
07/25/93	363.07	339.05	24.02	94,000	18,000	30,000	2,400	14,000	--	<5000	--	--	--
09/23/93	363.07	338.07	25.00	23,000	4,700	2,000	900	4,600	--	<5000	--	--	--
12/22/93	363.07	337.35	25.72	18,000	2,800	1,300	420	1,700	--	<5000	--	--	--
03/21/94	363.07	337.98	25.09	21,000	2,800	1,700	540	1,900	--	<5000	--	--	--
06/29/94	363.07	--	--	25,000	4,000	2,600	960	3,300	--	<5000	--	--	--
07/06/94	363.07	336.96	26.11	--	--	--	--	--	--	--	--	--	--
09/22/94	363.07	336.53	26.54	45,000	11,000	8,800	1,000	5,100	--	<5000	--	--	--
12/08/94[9]	363.07	337.52	25.55	6700	1,200	720	34	1,100	--	<5000	--	--	--
03/06/95	363.07	340.43	22.64	8900	1,400	540	350	940	--	--	--	--	--
06/08/95	363.07	341.06	22.01	15,000	2,000	1,500	400	1,500	--	--	--	--	--
09/13/95	363.07	338.65	24.42	10,000[10]	3,100	670	500	1,400	--	--	--	--	--
12/16/95	363.07	337.89	25.18	15,000	2,900	960	420	1,200	<2.5	--	--	--	--
03/28/96	363.07	342.10	20.97	8600	1,300	920	330	1,100	<10	--	--	--	--
06/27/96	363.07	341.44	21.63	18,000	2,600	1,500	740	2,400	<50	--	--	--	--
09/30/96	363.07	338.22	24.85	24,000	3,200	1,200	710	2,200	87	--	--	--	--
12/30/96	363.07	339.79	23.28	15,000	2,300	1,000	600	1,900	84	--	--	--	--
03/11/97	363.07	340.45	22.62	23,000	2,600	920	780	2,200	84	--	--	--	--
06/10/97	363.07	338.58	24.49	17,000	2,900	790	750	1,700	<100	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-4 (cont)													
10/01/97	363.07	337.57	25.50	21,000	3,600	1,400	1,300	2,700	<50	--	--	--	--
12/17/97	363.07	--	--	--	--	--	--	--	--	--	--	--	--
03/29/98	363.07	DISCONTINUED		--	--	--	--	--	--	--	--	--	--
09/29/99[11]	363.07	337.75	25.32	26,700	3,770	844	1,290	2,970	<500	--	<40	<40	--
03/17/00	363.07	340.26	22.81	17,400	2,560	942	688	1,980	<1000	--	--	--	--
08/28/00	363.07	337.98	25.09	12,000[15]	2,700	220	530	750	140	--	--	--	--
02/25/01	363.07	338.77	24.30	8,700[15]	1,600	400	600	1,500	250	--	--	--	--
09/17/01	**363.07**	**337.29**	**25.78**	**22,000**	**2,200**	**620**	**860**	**2,400**	**<50**	**--**	**--**	**--**	**--**
MW-5													
06/21/91	359.95	336.78	23.17	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/21/91	359.95	--	--	--	--	--	--	--	--	--	<0.5	--	ND[3]
07/17/91	359.95	336.27	23.68	--	--	--	--	--	--	--	--	--	--
09/20/91	359.95	--	--	170[7]	0.8	0.9	<0.5	1.5	--	--	--	--	--
10/04/91	359.95	334.75	25.20	--	--	--	--	--	--	--	--	--	--
12/19/91	359.95	334.75	25.20	<50	0.7	0.7	<0.5	1.4	--	--	--	--	--
03/19/92	359.95	338.74	21.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/19/92	360.28	336.86	23.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/22/92	360.28	335.31	24.97	150	13	34	5.0	26	--	--	--	--	--
12/18/92	360.28	336.76	23.52	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/10/93	360.28	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/22/93	360.28	341.18	19.10	--	--	--	--	--	--	--	--	--	--
06/14/93	360.28	337.57	22.71	--	--	--	--	--	--	--	--	--	--
07/25/93	360.28	338.29	21.99	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/23/93	360.28	336.80	23.48	<50	3.0	1.0	1.0	2.0	--	--	--	--	--
12/22/93	360.28	336.30	23.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/21/94	360.28	337.10	23.18	<50	2.4	1.4	<0.5	2.0	--	--	--	--	--
06/29/94	360.28	--	--	<50	<0.5	<0.5	<0.5	1.0	--	--	--	--	--
07/06/94	360.28	335.87	24.41	--	--	--	--	--	--	--	--	--	--
09/22/94	360.28	335.50	24.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/08/94	360.28	336.86	23.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/06/95	360.28	339.63	20.65	67	1.9	2.5	4.7	19	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-5 (cont)													
06/08/95	360.28	339.52	20.76	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/13/95	360.28	337.12	23.16	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/16/95	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
03/28/96	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/27/96	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
09/30/96	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/30/96	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
03/11/97	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/10/97	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
10/01/97	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/17/97	360.28	DISCONTINUED		--	--	--	--	--	--	--	--	--	--
03/26/99	360.28	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MW-6													
06/21/91	360.22	336.67	23.55	3,700	50	2.6	150	340	--	--	--	--	--
06/21/91	360.22	--	--	--	--	--	--	--	--	--	<0.5	--	ND[3]
07/17/91	360.22	336.22	24.00	--	--	--	--	--	--	--	--	--	--
09/20/91	360.22	--	--	3,200	28	<0.5	140	100	--	--	--	--	--
10/04/91	360.22	334.93	25.29	--	--	--	--	--	--	--	--	--	--
12/19/91	360.22	334.88	25.34	380	2.7	4.0	15	10	--	--	--	--	--
03/19/92	360.22	338.17	22.05	3,400	57	4.5	330	360	--	--	--	--	--
06/19/92	360.58	337.06	23.52	980	11	4.2	57	38	--	--	--	--	--
09/22/92	360.58	334.98	25.60	1,100	22	41	77	58	--	--	--	--	--
12/18/92	360.58	336.40	24.18	1,900	3.2	1.3	58	47	--	--	--	--	--
03/10/93	360.58	--	--	1,400	30	9.0	8.0	22	--	--	--	--	--
03/22/93	360.58	341.22	19.36	--	--	--	--	--	--	--	--	--	--
06/14/93	360.58	337.10	23.48	--	--	--	--	--	--	--	--	--	--
07/25/93	360.58	338.28	22.30	83[12]	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/23/93	360.58	337.38	23.20	200	6.0	2.0	3.0	3.0	--	--	--	--	--
12/22/93	360.58	336.67	23.91	130	<0.5	1.8	1.2	1.5	--	--	--	--	--
03/21/94	360.58	337.31	23.27	290	3.0	10	1.6	4.7	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542
7007 San Ramon Valley Boulevard
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-6 (cont)													
06/29/94	360.58	--	--	300	0.6	1.2	2.4	4.6	--	--	--	--	--
07/06/94	360.58	336.31	24.27	--	--	--	--	--	--	--	--	--	--
09/22/94	360.58	335.74	24.84	2,300	58	3.6	100	290	--	--	--	--	--
12/08/94	360.58	336.73	23.85	<50	<0.5	<0.5	<0.5	0.9	--	--	--	--	--
03/06/95	360.58	339.67	20.91	360	2.0	3.6	0.9	2.3	--	--	--	--	--
06/08/95	360.58	340.40	20.18	230	<0.5	<0.5	1.0	1.6	--	--	--	--	--
09/13/95	360.58	337.05	23.53	88	<0.5	<0.5	<0.5	1.1	--	--	--	--	--
12/16/95	360.58	337.20	23.38	<50	<0.5	<0.5	<0.5	<0.5	7.3	--	--	--	--
03/28/96	360.58	341.21	19.37	130	<0.5	<0.5	<0.5	<0.5	9.2	--	--	--	--
06/27/96	360.58	338.92	21.66	<50	<0.5	<0.5	<0.5	<0.5	5.7	--	--	--	--
09/30/96	360.58	337.52	23.06	50	<0.5	<0.5	<0.5	<0.5	6.3	--	--	--	--
12/30/96	360.58	339.12	21.46	90	<0.5	<0.5	<0.5	<0.5	5.5	--	--	--	--
03/11/97	360.58	339.67	20.91	80	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/10/97	360.58	337.93	22.65	<50	1.6	2.3	<0.5	1.2	<5.0	--	--	--	--
10/01/97	360.58	336.95	23.63	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/17/97	360.58	337.81	22.77	92	0.98	<0.5	0.72	1.6	2.7	--	--	--	--
03/29/98	360.58	342.24	18.34	95[7]	<0.5	<0.5	<0.5	<0.5	3.0	--	--	--	--
09/12/98	360.58	338.90	21.68	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/26/99	360.58	339.42	21.16	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--
09/29/99	360.58	337.73	22.85	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
NOT MONITORED/SAMPLED													
MW-7													
06/21/91	360.63	337.18	23.45	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/21/91	360.63	--	--	--	--	--	--	--	--	--	<0.5	--	ND[3]
07/17/91	360.63	336.73	23.90	--	--	--	--	--	--	--	--	--	--
09/20/91	360.63	--	--	69	4.4	3.3	1.2	3.9	--	--	--	--	--
10/04/91	360.63	335.60	25.03	--	--	--	--	--	--	--	--	--	--
12/19/91	360.63	335.53	25.10	<50	0.9	2.8	1.7	5.9	--	--	--	--	--
03/19/92	360.63	337.89	22.74	<50	1.1	0.6	0.9	2.5	--	--	--	--	--
06/19/92	360.99	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-5542
7007 San Ramon Valley Boulevard
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-7 (cont)													
09/22/92	360.99	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/18/92	360.99	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
03/22/93	360.99	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/14/93	360.99	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
07/25/93	360.99	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/23/93[1]	361.68	338.01	23.67	<50	0.9	0.5	<0.5	<0.5	--	--	--	--	--
03/21/94	361.68	337.55	24.13	<50	0.5	1.1	<0.5	1.4	--	--	--	--	--
06/29/94	361.68	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
07/06/94	361.68	335.23	26.45	--	--	--	--	--	--	--	--	--	--
09/22/94	361.68	334.28	27.40	11,000	1,900	230	310	970	--	--	--	--	--
12/08/94	361.68	335.45	26.23	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/06/95	361.68	338.49	23.19	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/08/95	361.68	339.54	22.14	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/13/95	361.68	337.13	24.55	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/16/95	361.68	335.94	25.74	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/28/96	361.68	339.96	21.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/27/96	361.68	338.18	23.50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
09/30/96	361.68	336.48	25.20	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/30/96	361.68	337.80	23.88	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
03/11/97	361.68	338.69	22.99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/10/97	361.68	336.98	24.70	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
10/01/97	361.68	335.98	25.70	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
DISCONTINUED													
MW-8													
12/12/91	354.89	--	22.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/19/92	354.89	334.42	20.47	<50	1.2	1.4	0.5	2.9	--	--	--	--	--
09/22/92	354.89	325.09	29.80	180	17	42	6.0	31	--	--	--	--	--
12/18/92	354.89	333.71	21.18	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/10/93	354.89	--	--	<50	0.8	2.0	<0.5	2.0	--	--	--	--	--
03/22/93	354.89	337.98	16.91	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-8 (cont)													
06/14/93	354.89	330.59	24.30	--	--	--	--	--	--	--	--	--	--
07/25/93	354.89	331.12	23.77	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/23/93	354.89	334.49	20.40	<50	1.0	0.9	0.7	1.0	--	--	--	--	--
12/22/93	354.89	333.97	20.92	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/21/94	354.89	334.70	20.19	<50	0.9	1.5	<0.5	2.0	--	--	--	--	--
06/29/94	354.89	--	--	<50	<0.5	<0.5	<0.5	0.8	--	--	--	--	--
07/06/94	354.89	333.84	21.05	--	--	--	--	--	--	--	--	--	--
09/22/94	354.89	333.05	21.84	9,600	1,600	180	260	840	--	--	--	--	--
10/14/94	354.89	333.05	21.84	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/08/94	354.89	334.18	20.71	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/06/95	354.89	336.78	18.11	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/08/95	354.89	337.10	17.79	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/13/95	354.89	335.09	19.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/16/95	354.89	334.43	20.46	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/28/96	354.89	339.47	15.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/27/96	354.89	335.81	19.08	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
09/30/96	360.58	340.28	20.30	<50	<0.5	<0.5	<0.5	0.6	<5.0	--	--	--	--
12/30/96	360.58	341.55	19.03	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
03/11/97	360.58	342.17	18.41	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/10/97	360.58	340.67	19.91	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
10/01/97	360.58	339.87	20.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
DISCONTINUED													
MW-9													
07/06/94[13]	361.23	336.08	25.15	--	--	--	--	--	--	--	--	--	--
08/26/94	361.23	--	--	12,000	1,700	240	410	1,400	--	--	--	--	--
09/22/94	361.23	335.49	25.74	10,000	1,900	290	320	1,200	--	--	--	--	--
12/08/94	361.23	336.39	24.84	18,000	2,400	780	450	4,600	--	--	--	--	--
03/06/95	361.23	339.40	21.83	6,100	1,400	260	420	1,500	--	--	--	--	--
06/08/95	361.23	339.94	21.29	14,000	2,100	220	540	1,700	--	--	--	--	--
09/13/95	361.23	337.85	23.65	11,000	1,900	120	490	1,400	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-9 (cont)													
12/16/95	361.23	336.91	24.32	16,000	1,900	<0.5	680	1,200	<2.5	--	--	--	--
03/28/96	361.23	340.78	20.45	960	120	5.9	33	70	18	--	--	--	--
06/27/96	361.23	338.39	22.84	10,000	1,200	46	340	1,000	66	--	--	--	--
09/30/96	361.59	337.47	24.12	15,000	1,300	36	390	950	100	--	--	--	--
12/30/96	361.59	338.95	22.64	12,000	1,200	54	470	1,300	100	--	--	--	--
03/11/97	361.59	339.50	22.09	13,000	850	37	310	930	63	--	--	--	--
06/10/97	361.59	337.81	23.78	9,000	800	7.7	220	360	86	--	--	--	--
10/01/97	361.59	338.06	23.53	7,000	770	13	270	540	99	--	--	--	--
12/17/97	361.59	--	--	--	--	--	--	--	--	--	--	--	--
03/29/98	361.59	341.11	20.48	4,900	400	850	160	720	170	--	--	--	--
09/12/98	361.59	338.86	22.73	7,400	900	6.6	150	440	68	--	--	--	--
03/26/99	361.59	339.34	22.25	3,490	441	10.7	121	135	33.6	--	--	--	--
09/29/99	361.59	337.67	23.92	3,820	455	<20	66.5	46.6	<200	--	<2.0	<2.0	--
03/17/00	361.59	340.20	21.39	4,680	510	<10	146	528	<100	--	--	--	--
08/28/00	361.59	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
02/25/01	361.59	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
09/17/01	**361.59**	**336.69**	**24.90**	**7,700**	**540**	**2.7**	**89**	**81**	**<20**	**--**	**--**	**--**	**--**
MW-10													
06/27/96	358.02	--	20.74	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
09/30/96	358.02	335.99	22.03	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/30/96	358.02	337.46	20.56	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
03/11/97	358.02	338.09	19.93	<50	<0.5	<0.5	<0.5	<0.5	7.0	--	--	--	--
06/10/97	358.02	336.37	21.65	<50	<0.5	<0.5	<0.5	<0.5	5.3	--	--	--	--
10/01/97	358.02	335.50	22.52	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/17/97	358.02	--	--	--	--	--	--	--	--	--	--	--	--
03/29/98	358.02	340.55	17.47	<50	<0.5	<0.5	<0.5	<0.5	4.3	--	--	--	--
09/12/98	358.02	337.39	20.63	<50	<0.5	<0.5	<0.5	<0.5	3.8	--	--	--	--
03/26/99	358.02	337.98	20.04	<50	<0.5	<0.5	<0.5	<0.5	4.15	--	--	--	--
09/29/99	358.02	336.30	21.72	5,020	547	<10	79.6	49.5	<100	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
MW-10 (cont)													
03/17/00	358.02	338.67	19.35	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/28/00	358.02	335.88	22.14	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
02/25/01	358.02	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
09/17/01	**358.02**	**335.41**	**22.61**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**--**	**--**	**--**	**--**
BAILER BLANK													
05/31/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/21/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/20/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/19/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/19/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/19/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/22/92	--	--	--	<50	<0.5	<0.5	<0.5	0.8	--	--	--	--	--
12/21/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/10/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/22/93	--	--	--	<50	<0.5	<0.5	<0.5	0.6	--	--	--	--	--
07/25/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/23/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/22/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/21/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
TRIP BLANK													
05/31/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/21/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/20/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/19/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/19/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/19/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/22/92	--	--	--	92[14]	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/18/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/10/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	1,2-DCA (ppb)	EDB (ppb)	HVOCs (ppb)
TRIP BLANK (cont)													
03/22/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
07/25/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/23/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/22/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/21/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/29/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
07/01/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
07/06/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/22/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/08/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
03/06/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/08/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
09/13/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/16/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/28/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/27/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
09/30/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/30/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
03/11/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
06/10/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
10/01/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/17/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/29/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
09/12/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/26/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--
09/29/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/28/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
02/25/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
09/17/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-5542

7007 San Ramon Valley Boulevard

Dublin, California

EXPLANATIONS:

Groundwater monitoring and laboratory analytical results prior to August 28, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing	B = Benzene	1,2-DCA = 1,2-Dichloroethane
(ft.) = Feet	T = Toluene	EDB = Ethylene dibromide
GWE = Groundwater Elevation	E = Ethylbenzene	HVOCs = Halogenated Volatile Organic Compounds
(msl) = Mean sea level	X = Xylenes	-- = Not Measured/Not Analyzed
DTW = Depth to Water	MTBE = Methyl tertiary butyl ether	(D) = Duplicate
TPH-G = Total Petroleum Hydrocarbons as Gasoline	TOG = Total Oil and Grease	(ppb) = Parts per billion

1 TOC elevation surveyed by Ron Miller, PE #15816, on January 13, 1994.

2 Monitoring well part of remediation system.

3 All other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.

4 Sample analyzed for Volatile Organic Compounds (VOCs) by EPA method 8260. MTBE was detected at 10.1 ppb, and all other VOCs were ND ranging from <2.0 to <1000 ppb.

5 Oxygenate compounds were not detected.

6 Confirmation run.

7 Chromatogram pattern indicated an unidentified hydrocarbon.

8 Chloroform and Bromodichloromethane were detected at 1.3 and 0.9 ppb, respectively. Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.

9 TPH-G and BTEX results are estimated concentrations. Due to laboratory error, sample was analyzed past the recommended holding time. (GTEL).

10 Laboratory report indicates uncategorized compound is not included in gasoline concentration.

11 Sampled analyzed for VOCs by EPA method 8260, all other results were ND ranging from <40 to <20,000 ppb.

12 Uncategorized compound not included in gasoline total.

13 Monitoring well surveyed by Ron Miller, PE #15816, on July 5, 1994.

14 Gasoline range concentration reported. The chromatogram shows only a single peak in the gasoline range.

15 Laboratory report indicates gasoline C6-C12.

Material Safety Data Sheet

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200).
(Formerly Called MATERIAL INFORMATION BULLETIN)

CPS 20130

CHEVRON Regular Gasoline

DANGER! **HARMFUL OF FATAL IF SWALLOWED**
VAPOR HARMFUL
LONG-TERM EXPOSURE TO VAPOR HAS CAUSED CANCER IN LABORATORY ANIMALS
MAY CAUSE EYE AND SKIN IRRITATION
EXTREMELY FLAMMABLE
CONTAINS LEAD
KEEP OUT OF REACH OF CHILDREN

TYPICAL COMPOSITION

Blend of paraffins, naphthenes, aromatics and olefins including less than 5% benzene (CAS 71-43-2), 1-5% n-hexane (CAS 110-54-3) and 5-15% toluene (CAS 108-88-3) plus xylene (CAS 1330-20-7) >9

May contain methyl tert butyl ether (MTBE) (CAS 1634-04-4) 10% (Ma

F310*, other additives including ethylene dibromide (CAS 106-93-4), ethylene dichloride (CAS 107-06-2) and dye <.

Lead (as lead alkyl) lg/ga

*Trademark for polybutene amine gasoline additive

EXPOSURE STANDARD

The ACGIH (1984-85) TLV for gasoline is 300 ppm for a daily 8-hour exposure. No Federal OSHA exposure standard has been established for this material. See Additional Health Data for discussion of benzene exposure limits.

PHYSIOLOGICAL & HEALTH EFFECTS

Eye irritation may result from contact with the liquid or exposure to the vapor. The scientific literature warns that vapor concentrations above 500 ppm are irritating.

Prolonged or frequently repeated liquid contact may cause skin irritation or may cause the skin to become cracked or dry from the defatting action of this material. See Additional Health Data.

Prolonged or repeated breathing of gasoline vapor may be harmful. See Additional Health Data.

This material is expected to be only slightly toxic by ingestion. Note to Physician: (See Additional Health Data.)

EMERGENCY & FIRST AID PROCEDURES

Eyes

Flush eyes immediately with fresh wat for at least 15 minutes while holding t eyelids open. If irritation persists, s a doctor.

Skin

Wash skin thoroughly with soap and wate See a doctor if any signs or symptc described in this MSDS develop or if a skin irritation occurs. Laund contaminated clothing.

Inhalation

Move exposed person to fresh air. breathing has stopped, apply artifici respiration. Call a doctor immediatel See Respiratory Protection, Page 2.

Ingestion

If swallowed, DO NOT make person vomi Call a doctor immediately.

ADDITIONAL HEALTH DATA

See Page 3.

SPECIAL PROTECTIVE INFORMATION

Eye Protection: Keep away from eyes. Eye contact can be avoided by wearing chemical safety goggles.
Skin Protection: Keep away from skin. Skin contact can be minimized by wearing impervious protective clothing including gloves.
Respiratory Protection: Avoid prolonged breathing of vapor by using approved respiratory protection. In open areas, such as outdoor gasoline transfer areas, ventilation is usually adequate to prevent prolonged breathing of high gasoline vapor concentrations. See Additional Health Data.
Ventilation: Use this material only in well ventilated areas.
Comment: If you experience any of the signs or symptoms described in this MSDS, you may be exposed to harmful gasoline levels. Your exposure can be minimized if you follow the protective measures presented above.

FIRE PROTECTION

This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches.
Flash Point: (P-M)<-49°F(-45°C)
Autoignition Temp.: NDA
Flammability Limits: 1.4-7.6%
Extinguishing Media: CO_2, Dry Chemical, Foam, Water Fog.
Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire MSDS.

SPECIAL PRECAUTIONS

ENVIRONMENTAL PROTECTION

Environmental Impact: Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used. This material is considered to be a water pollutant. Every effort should be made to prevent any release of this product to the ground or to water including drainage and sewage systems.
Precautions if Material is Released or Spilled: Eliminate all sources of ignition in vicinity of spill or released vapor. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
Waste Disposal Methods: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

REACTIVITY DATA

Stability (Thermal, Light, etc.): Stable.
Incompatibility (Materials to Avoid): May react with strong oxidizing materials.
Hazardous Decomposition Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.
Hazardous Polymerization: Will not occur.

PHYSICAL PROPERTIES

See Page 3.

NDA = No Data Available

See Page 3.

Material Safety Data Sheet

CHEVRON Regular Gasoline

CPS 2013

ADDITIONAL HEALTH DATA

Ingestion of gasoline or inhalation of gasoline vapor at airborne concentrations exceedi 1000 ppm may cause signs and symptoms of central nervous system depression such headache, dizziness, loss of appetite, weakness and loss of coordination. Vap concentrations in excess of 5000 ppm may cause loss of consciousness, coma and deat Intentional exposures to excessively high concentrations (e.g., when used as a drug abuse) have been reported to result in clinical manifestations that may inclu convulsions, delirium, and hallucinations. These manifestations are not known to occ following accidental inhalation of vapor or skin contact with gasolines during norm operations. Brief exposures to high vapor concentrations may also cause pulmonary ede and bronchitis. **Note to Physician:** Ingestion of this product or subsequent vomiting c result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

This product may contain up to 4.9% benzene. Repeated or prolonged breathing of benze vapors has been associated with the development of chromosomal damage in experiment animals and various blood diseases in humans ranging from aplastic anemia to leukemia form of cancer). All of these diseases can be fatal. Following a two-year cancer bioass sponsored by the National Toxicology Program, NTP concluded that benzene is a carcinog for rats and mice of both sexes. **Note:** Limiting the total hydrocarbon exposure to 300 pp the ACGIH TLV for gasoline, may not keep the benzene concentration below the 10 p Federal OSHA exposure standard and ACGIH TLV for benzene.

This product contains n-hexane. Prolonged or repeated contact with n-hexane may produ peripheral neuropathy characterized by progressive weakness and numbness in t extremities, loss of deep tendon reflexes and reduction of motor nerve conducti velocity. Recovery ranges from no recovery to complete recovery depending upon t duration of exposure and the severity of the nerve damage.

This product contains toluene. Toluene has been reported to decrease immunologic response in test animals. Toluene has been reported to increase malformations in chic exposed during organogenesis.

This product contain xylene. Xylene has been reported to be embryotoxic, teratogenic a to cause developmental disturbances in rats exposed <u>in utero</u>.

The American Petroleum Institute (API) sponsored a study where laboratory animals w exposed to 67, 292 and 2056 ppm unleaded gasoline vapor six hours/day, five days/week approximately two years. Each exposure group consisted of 200 rats and 200 mice. Dur the course of the study, male rats had an increased incidence of kidney damage followed repair and enlargement of the kidney tubules. At the end of the study, a dose-rela incidence of microscopic kidney tumors was detected in the male rats; two tumors w found in the low exposure group, and five were found in the high exposure group. Fem rats and both male and female mice did not show this type of lesion. It was noted in study that the animals that were exposed to gasoline vapor lived longer than the contr Thus, the significance of the tumor findings is difficult to evaluate at this ti Additional findings in the API-sponsored study, which were observed only at the high dose tested (2065 ppm), included (1) failure to gain body weight, (2) increased incide of hepatocellular carcinomas (liver cancer) in female mice, and (3) lung inflammation

male and female rats. Subsequent testing has shown that the six to ten carbon isoparaffinic compounds in gasoline are apparently responsible for the early kidney damage seen in the male rat in the API study although the larger isoparaffins have not been individually tested. Information collected by the API and others indicates that the damage occurs only in the male rat, does not occur in female rats or mice and monkeys of either sex and may not occur in man. How this early kidney injury relates to the development of kidney tumors seen in the API study is currently unknown.

The significance to man of the results of the studies discussed above is not known. While we believe that low level or infrequent exposure to gasoline vapor is not likely to cause cancer or other serious disease, in light of the above information, the precautions outlined in this MSDS should be carefully observed. If strong odor of gasoline is present or if any irritation occurs, individuals should leave the area or institute suitable protective measures (see page 2 - Special Protective Information).

SPECIAL PRECAUTIONS

NEVER siphon gasoline by mouth. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

Use only as a motor fuel. Do not use for cleaning, pressure appliance fuel, or any other such use. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE AND STORE ONLY IN COOL, WELL VENTILATED AREA. Keep container closed. DO NOT TRANSFER LIQUID TO AN UNLABELED CONTAINER. DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

PHYSICAL PROPERTIES

Solubility: Soluble in hydrocarbons; insoluble in water.
Appearance (Color, Odor, etc.): Orange to bronze liquid.
Boiling Point: 25-225°C (Range)*
Melting Point: n/a
Specific Gravity: 0.7-0.8 (Range)
Vapor Pressure: 5-15 psi (max.) @ 100°F (Range)*
Vapor Density (Air=1): 3-4(Range)
Percent Volatile (Volume %): 99+
Evaporation: NDA
*Variable with season and location.

n/a = Not Applicable
NDA = No Data Available