

RD-306



GETTLER - RYAN INC.

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Phone (707) 789-3255, Fax (707) 789-3218

TRANSMITTAL

Alameda County
JUN 19 2003
Environmental Health
15008 6.14M

TO: Eva Chu
Alameda County Health Care
Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

DATE: 6/17/03
PROJECT NO. 140071.3
SUBJECT: ConocoPhillips Service
Station No. 3292

From: Jed Douglas

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	May 23, 2003	Transmittal of Well Survey Results, Site Information Summary and Request for Closure

THESE ARE TRANSMITTED as checked below:

- | | | |
|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> For your files |
| <input type="checkbox"/> As Requested | <input type="checkbox"/> Approved as noted | <input checked="" type="checkbox"/> For your use |
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> As noted below |

COMMENTS:

Signed: _____

COPIES TO: David DeWitt - ConocoPhillips
76 Broadway, Sacramento, CA 95818



GETTLER - RYAN INC.

May 23, 2003

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

Alameda County
JUN 19 2003
Environmental Health

Subject: Transmittal of Well Survey Results, Site Information Summary, and Request For Closure for the ConocoPhillips (76) Service Station No. 3292, located at 15008 East 14th Street, San Leandro, California

Dear Ms. Chu:

This document was prepared by Gettler-Ryan Inc. (GR) at the request of ConocoPhillips, and transmits the Well Survey Results and Site Information Summary (SIS), and based on the discussion and findings, also requests low-risk case closure status from the Alameda County Health Care Services (ACHCS).

The subject site is an active 76 service station located on the eastern corner of the intersection of East 14th Street and 150th Avenue in San Leandro, California (Figure 1). Northern and western corners of this intersection were formerly occupied by a Mobil service station and a Phillips service station, and are currently occupied by a commercial building and an automotive repair shop, respectively. An operating Chevron service station is located adjacent to the southern corner of the intersection, approximately 200 feet southwest of the 76 station. Current 76 station facilities include a station building, four dispenser islands, and two underground storage tanks (USTs) located in a common pit in the western corner of the site. A waste oil UST is also present behind the station building. Eleven groundwater monitoring wells are present at and in the immediate site vicinity, and select wells are sampled either on a quarterly or semi-annual basis. Locations of pertinent site features are shown on Figure 2.

Well Survey

Based on a review of data provided from a 0.5 mile well search performed by the Alameda County Public Works Agency (ACPWA), the following sensitive receptors were identified in the site vicinity. There are 25 water wells located within ½ mile of the site. Two of the wells are domestic, and the remaining 23 wells are irrigation wells. The two domestic wells are located approximately 1,500 feet to the south and 2,500 feet to the southeast of the site, respectively. The nearest irrigation well is located approximately 500 feet east of the site (crossgradient). Based on these data, there is a very low probability that impacted groundwater emanating from the 76 facility has traveled the necessary distance to impact the

downgradient domestic wells. (Figures and Tables of Well Search Results reported in GR's *Risk-Based Corrective Action Evaluation*, dated May 20, 2003)

Hydrology

The site is situated on terrain gently sloping to the south/southwest, and the nearest surface waters are Estudillo Canal, located approximately 2,800 feet south, and San Leandro Creek, located approximately 1.4 miles south. Estudillo Creek flows toward the west and is predominantly channeled, while San Leandro Creek flows toward the southwest and ultimately drains into San Francisco Bay. Based on historical groundwater monitoring results, groundwater flow is toward the south/southwest.

Previous Environmental Work

- 1991 - Removal of two gasoline USTs, one waste oil UST and associated product piping.
Overexcavation and offsite disposal of 745 cubic yards of hydrocarbon impacted soil.
Removal and offsite disposal of 15,700 gallons of groundwater from the UST pit.
- 1991 - Installation of five 2-inch diameter groundwater monitoring wells (MW-1 through MW-5). Initiation of quarterly monitoring and sampling.
- 1992 - Installation of six additional 2-inch diameter groundwater monitoring wells (MW-6 through MW-11).
- 1995 - Oil/Water Separator abandoned inside station building.
- 1998 - Installation of four soil borings (EB-1 through EB-4).
- 2003 - Preparation of a Risk-Based Corrective Action evaluation.

Current Site Conditions

The extent of soil impact at the site is delineated. During removal of gasoline USTs, waste oil UST, and product piping conducted in 1991, confirmation soil samples collected and analyzed by the laboratory indicate that elevated concentrations of Total Petroleum Hydrocarbons as gasoline (TPHg) and benzene remained in the vicinity of the gasoline UST pit and the northernmost dispenser island. The soil borings installed in 1998 were reported as not detected for TPHg, benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and Methyl tertiary-Butyl Ether (MtBE).

Groundwater analytical results from the quarterly sampling event of February 15, 2003, indicate that Monitoring wells MW-1, MW-2, MW-5, and MW-7 through MW-10 (other wells not sampled since 1999) show an overall declining trend in hydrocarbon concentrations (Charts 1 through 8). Although there has been a recent increase in TPHg concentration in several wells, the laboratory reports that the fuel pattern does not match that of gasoline. GR believes that the recent detections of TPHg represent weathered gasoline, and this idea is reinforced by the lack of changes in benzene and MtBE concentrations. Additionally, during the RBCA evaluation, a groundwater sample from MW-5 was analyzed and the results broken down into seven hydrocarbon chain fractions. The results indicated that almost 50% of the detected compounds were composed of carbon chains greater than C10, which are longer than the usual fresh gasoline carbon chains that range from C6 to C10.

Summary

The attached Site Information Summary form contains information pertinent to the site, results of initial site assessment and remediation, impacted groundwater plume trends, summary tables of historical soil and groundwater sample data, boring logs and figures showing the locations of pertinent site features and sample locations. The SIS and attachments are included in Appendix A.

The following conditions have been found at the site:

1. Hydrocarbon source soils were removed in 1991 during UST replacement and subsequent overexcavation of impacted soil.
2. Free product has not been detected in any monitoring well to date.
3. The groundwater beneath the City of San Leandro is not used as a municipal drinking water supply. This precludes the impacted shallow aquifer from affecting human health in the site vicinity.
4. The site has been adequately characterized. Historical groundwater data collected between May 1991 and the present indicate that the hydrocarbon plume is stable and has been predominantly restricted to groundwater beneath the site and immediate vicinity. Concentrations of MtBE and other hydrocarbons in all wells have shown an overall downward trend since August of 2001. In addition, this site has neither stored nor distributed gasoline containing MtBE since January of 2001.
5. The groundwater plume is well defined in all directions including the downgradient flow direction. The site is located in an area where current and former service stations were located on all four corners of the intersection. Residual dissolved hydrocarbons are expected to naturally attenuate with time.
6. The nearest surface water in the downgradient groundwater direction are Estudillo Canal, located approximately 2,800 feet south, and San Leandro Creek, located approximately 1.4 miles south. Estudillo Creek flows toward the west and is predominantly channeled, while San Leandro Creek flows toward the southwest and ultimately drains into San Francisco Bay. Based on historical groundwater monitoring results, groundwater flow has been toward the south/southwest.
7. The closest sensitive receptors are two domestic water wells located approximately 1,500 feet to the south and 2,500 feet to the southeast, respectively. The nearest irrigation well to the site is located approximately 500 feet east of the site (crossgradient).
8. The RBCA evaluation (GR's *Risk-Based Corrective Action Evaluation*, dated May 20, 2003) determined that there are no risks associated with the current or future uses of the building presently at the site, and that there are no risks to the occupants of the residential properties neighboring the site.

Conclusions And Recommendations

GR previously performed and submitted a RBCA evaluation for the assessment and response to petroleum hydrocarbons in the subsurface soil and groundwater beneath the subject site. A Tier 2 evaluation was performed utilizing available site specific data. The results of the analyses confirm that current site conditions do not exceed the calculated Tier 2 SSTLs specific to the site. Since a service station is presently operating at the site, it is expected that the commercial use will continue in the future. It is GR's understanding that as of January 1, 2001, ConocoPhillips no longer distributes fuel containing MtBE to service stations in northern California. Additionally, it is anticipated that residual dissolved concentrations of weathered petroleum hydrocarbons will continue to attenuate over time, thereby also lowering the associated risk over time. The Tier 2 evaluation verified that there are no risks associated with the current or future uses of the building presently at the site, and that there are no risks to the occupants of the residential properties neighboring the site.

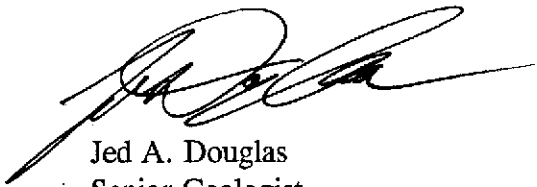
According to the RBCA decision making process, further work would not be warranted to protect against human exposures. The Tier 2 evaluation determined that no additional investigation or remediation is required at the site. Based on the RBCA program findings presented previously, and that the groundwater beneath and in the vicinity of the site is not used for drinking water purposes, it is GR's opinion that the site should be considered for case closure. Once the ACHCS concurs with this request for case closure, GR will recommend that select monitoring wells be properly destroyed, and that remaining wells be utilized for post-closure groundwater quality monitoring.

If you have any questions or comments regarding this request, please feel free to call us at 707-789-3255.

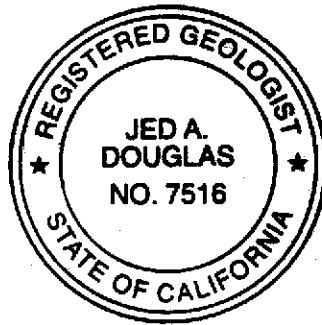
Sincerely,
Gettler-Ryan Inc.



David J. Vossler
Project Manager

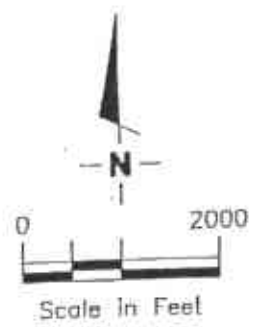
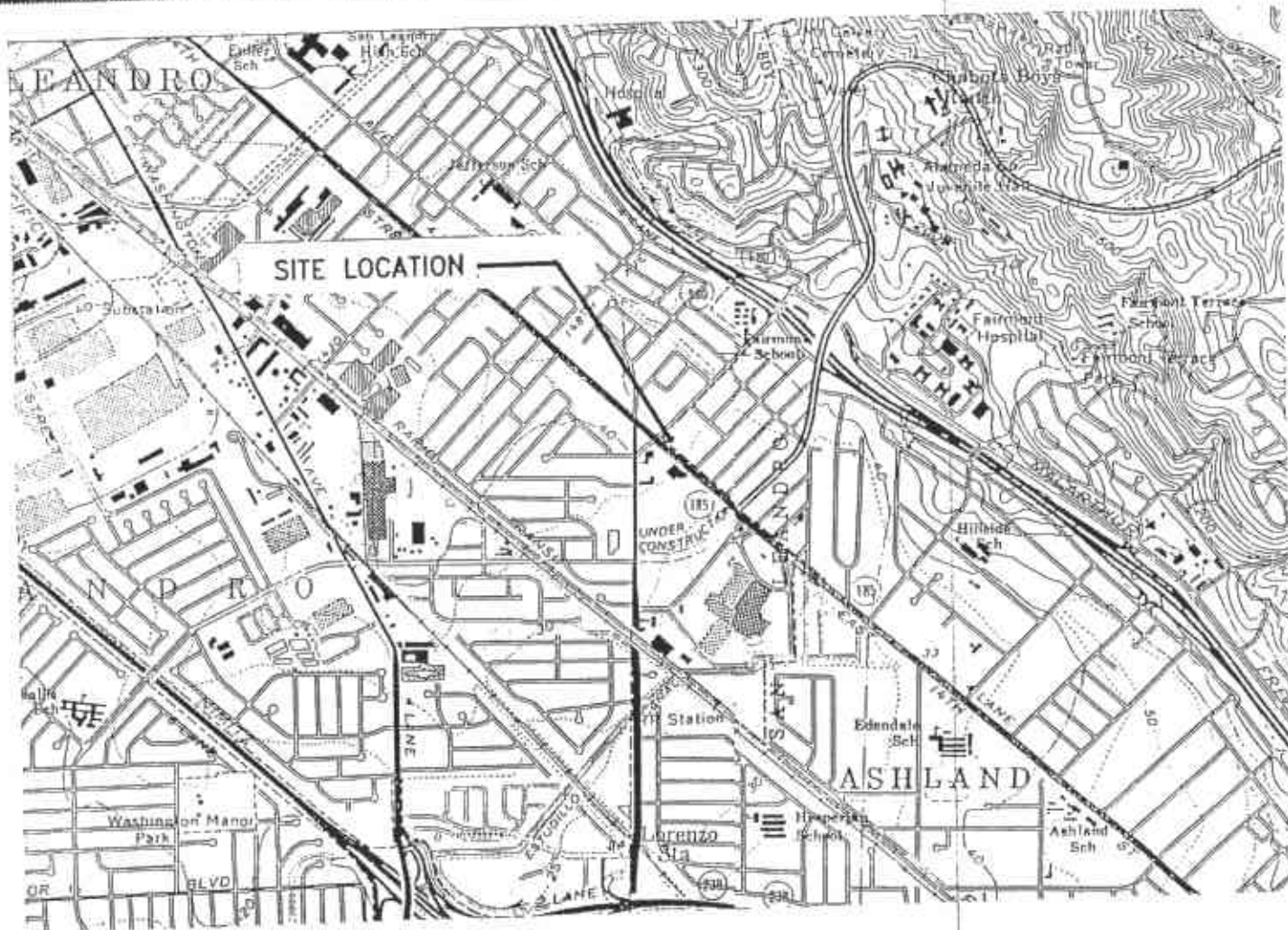


Jed A. Douglas
Senior Geologist
R.G. No. 7516



Attachments: Figure 1 - Site Vicinity Map
Figure 2 - Site Plan
Charts 1 through 8 - Groundwater Concentrations vs. Time
Appendix A - Site Information Summary

cc: David DeWitt – ConocoPhillips, 76 Broadway, Sacramento, CA 95818



Base Map: USGS Topographic Map



Gettler - Ryan Inc.

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

VICINITY MAP
 Tosco 76 Branded Facility No. 3292
 15008 East 14th Street
 San Leandro, California

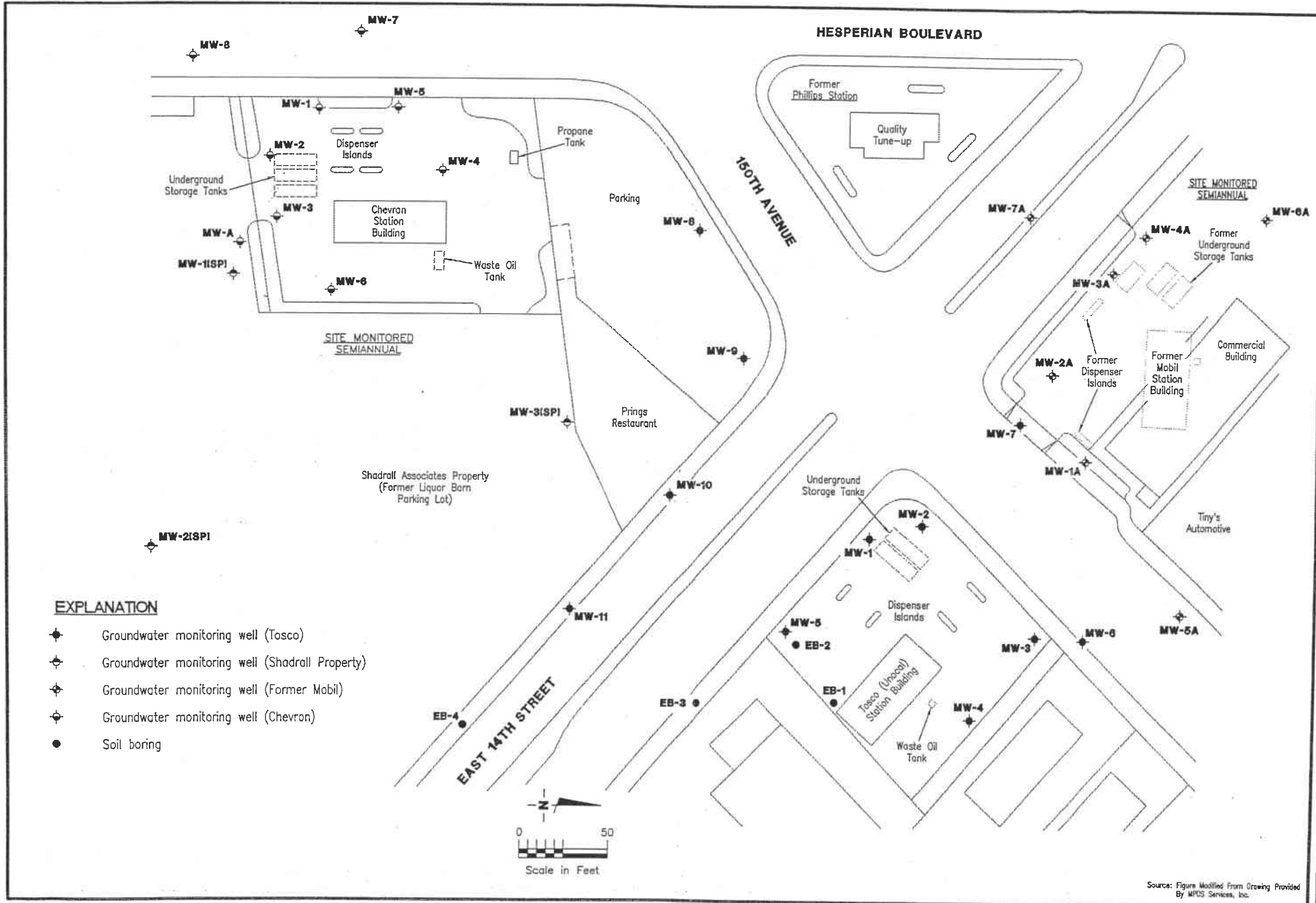
DATE
 March, 1999

REVISED DATE

JOB NUMBER 140071
 REVIEWED BY

FIGURE

1



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

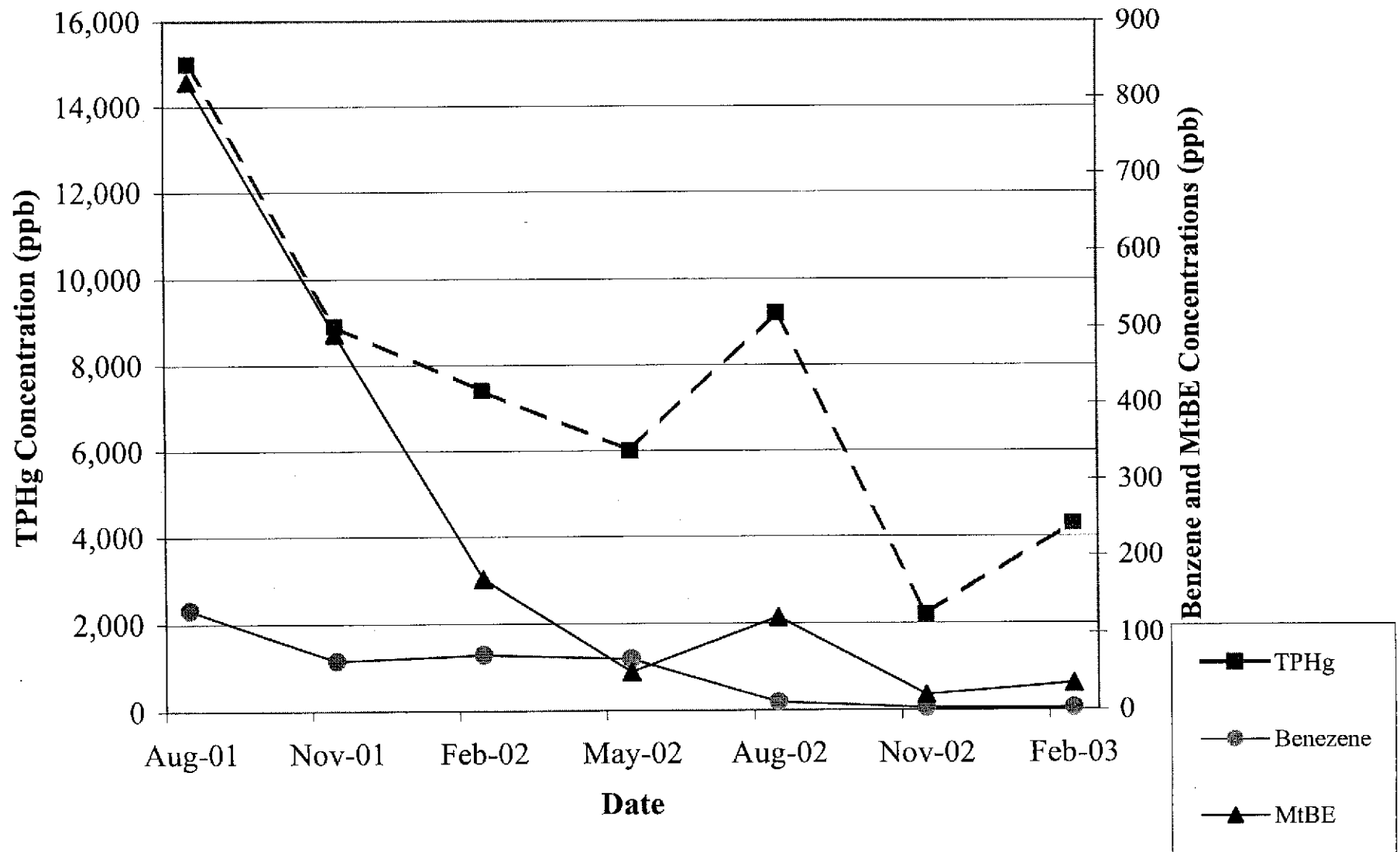
SITE PLAN
 Tosco 76 Branded Facility No. 3292
 15008 East 14th Street
 San Leandro, California

DATE: March, 1999
 REVISION DATE:

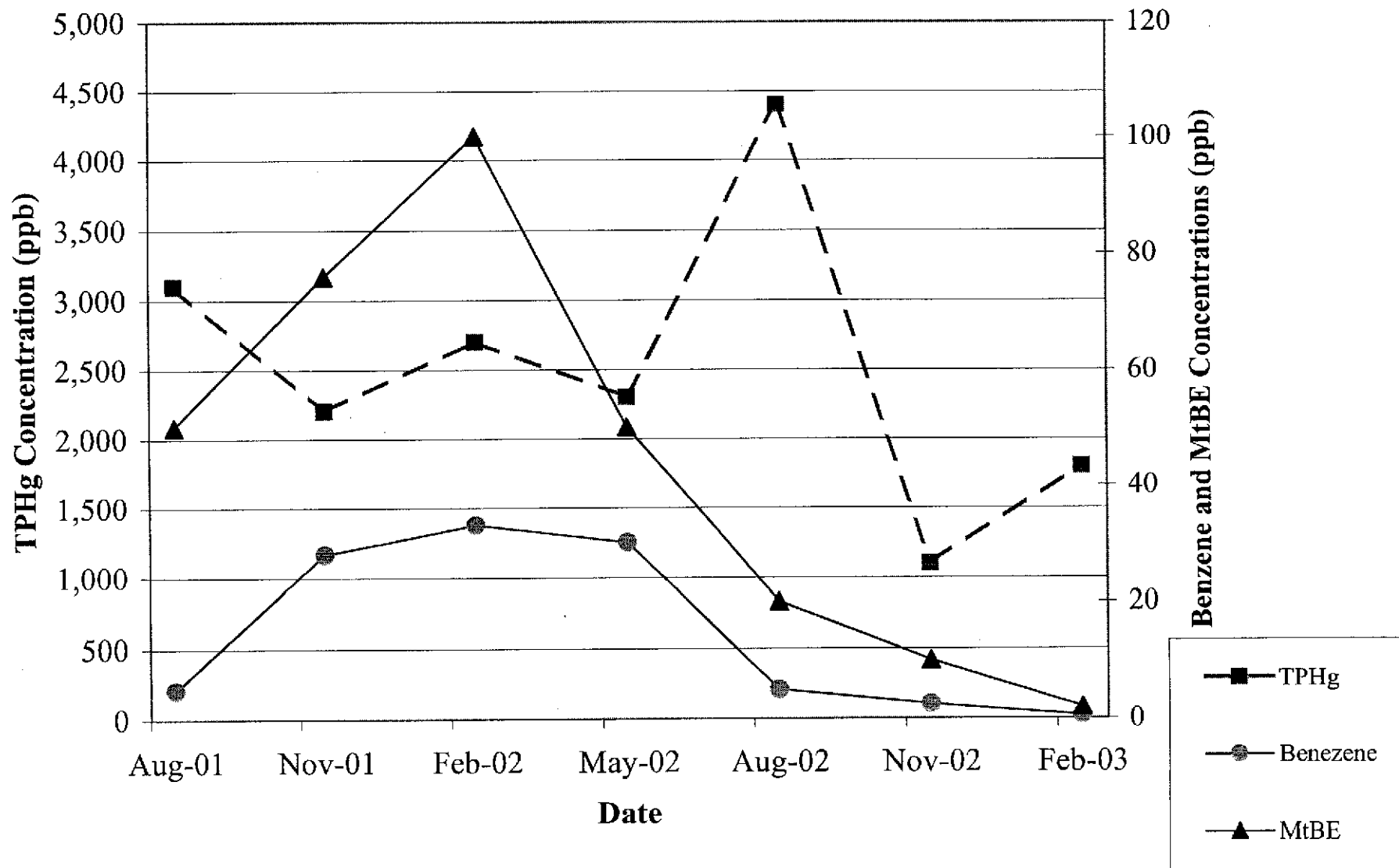
JOB NUMBER: 140071.02

Source: Figure Modified From Drawing Provided By MPOS Services, Inc.

**Chart 1 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-1**



**Chart 2 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-2**



**Chart 3 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-5**

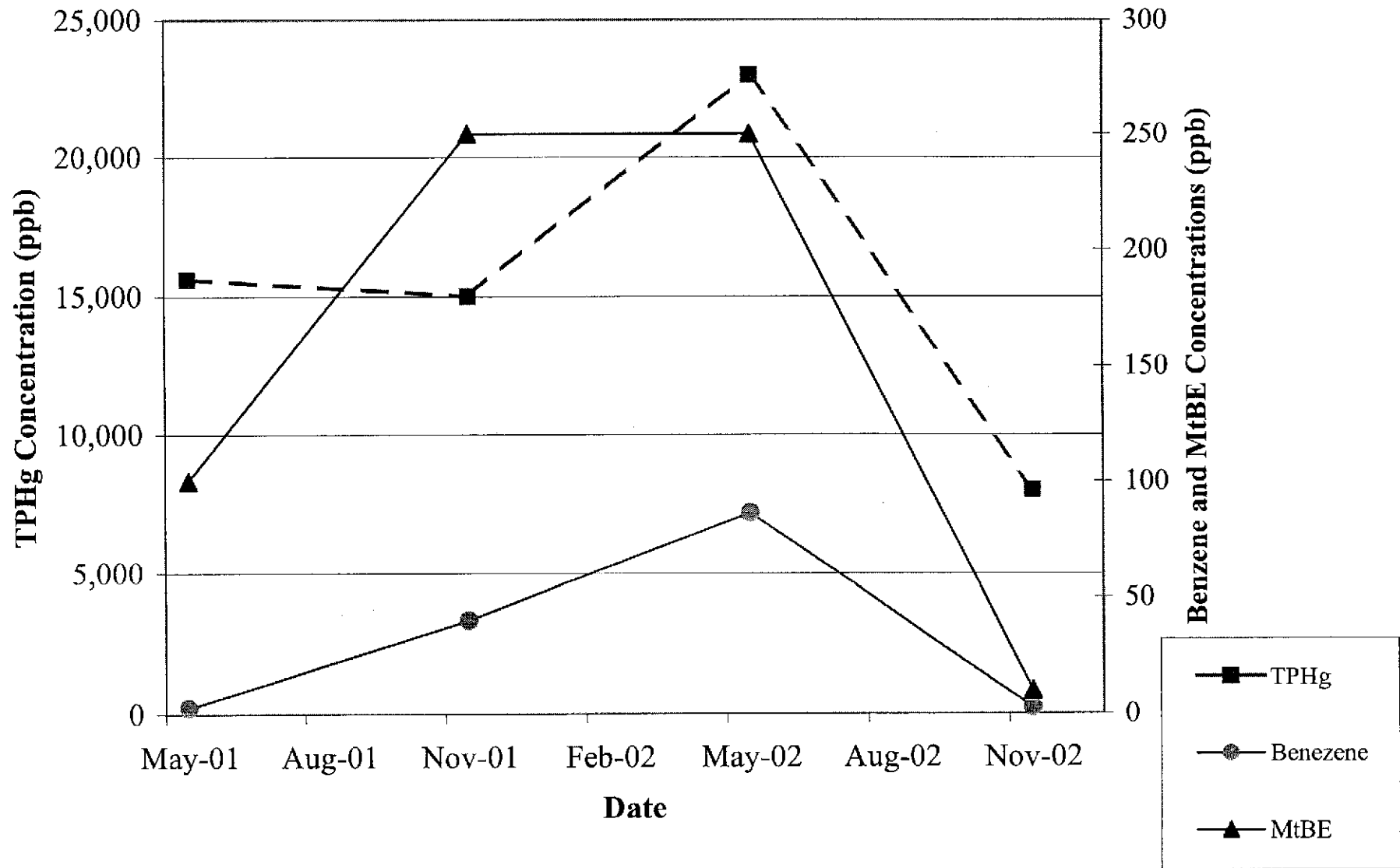
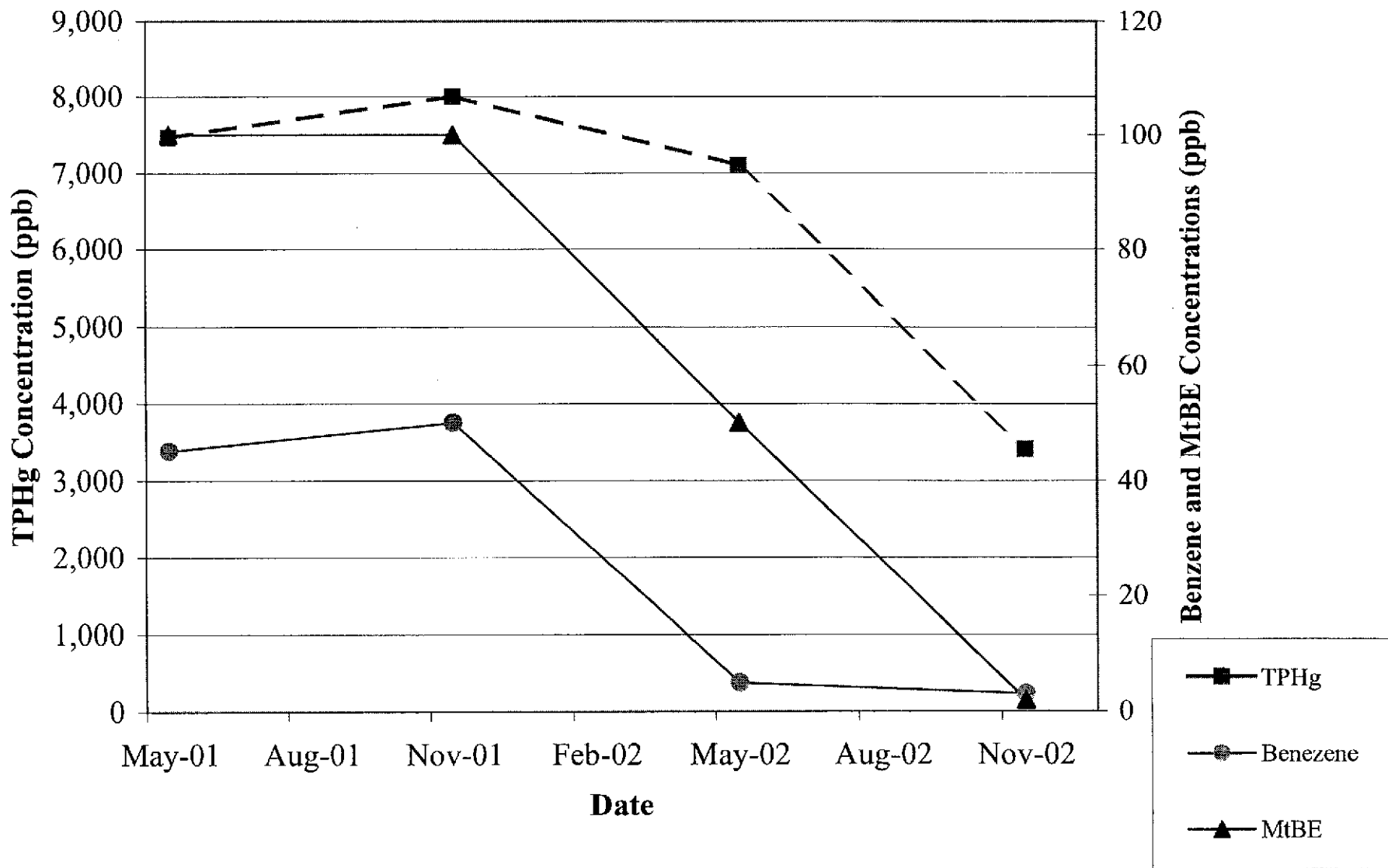
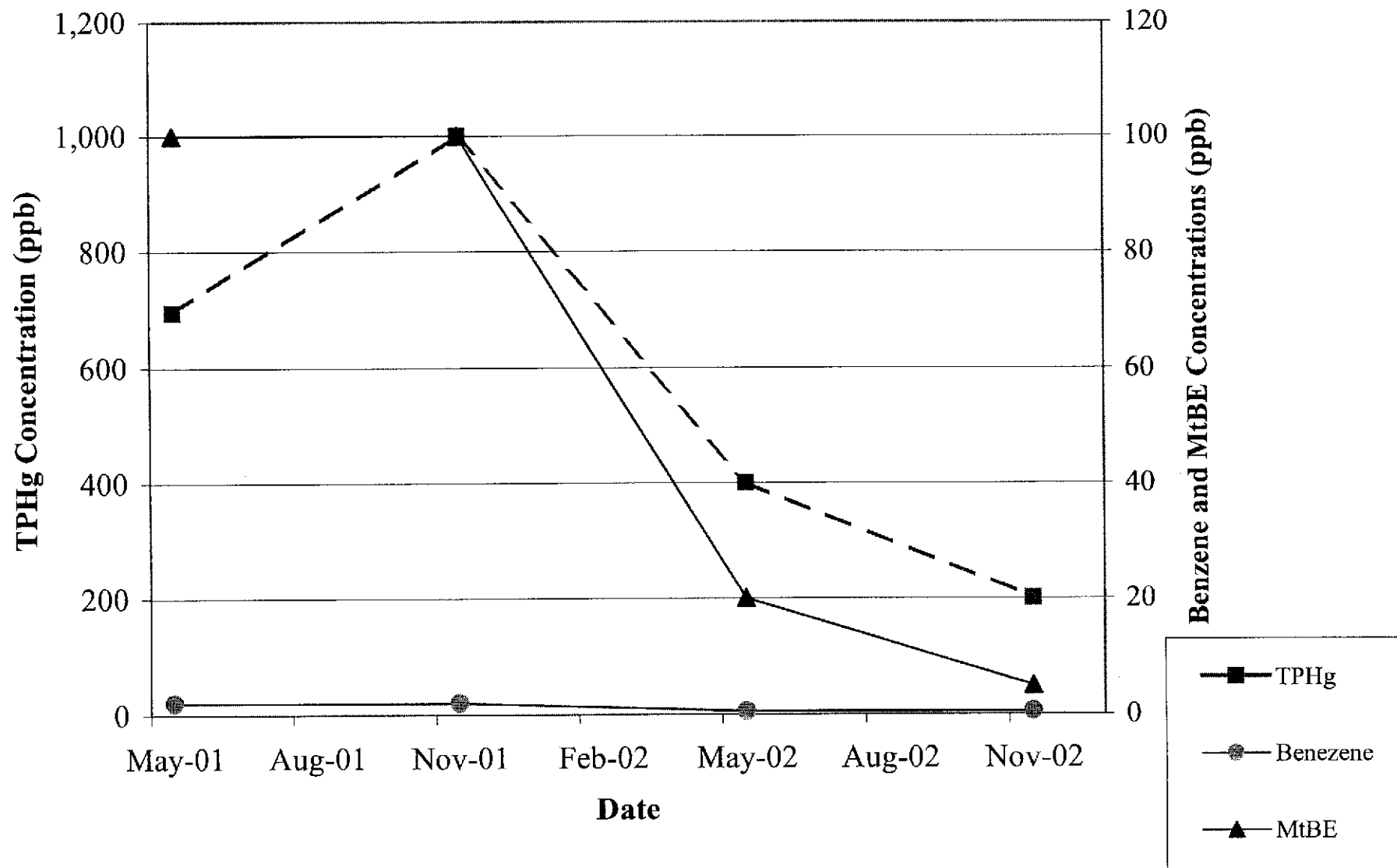


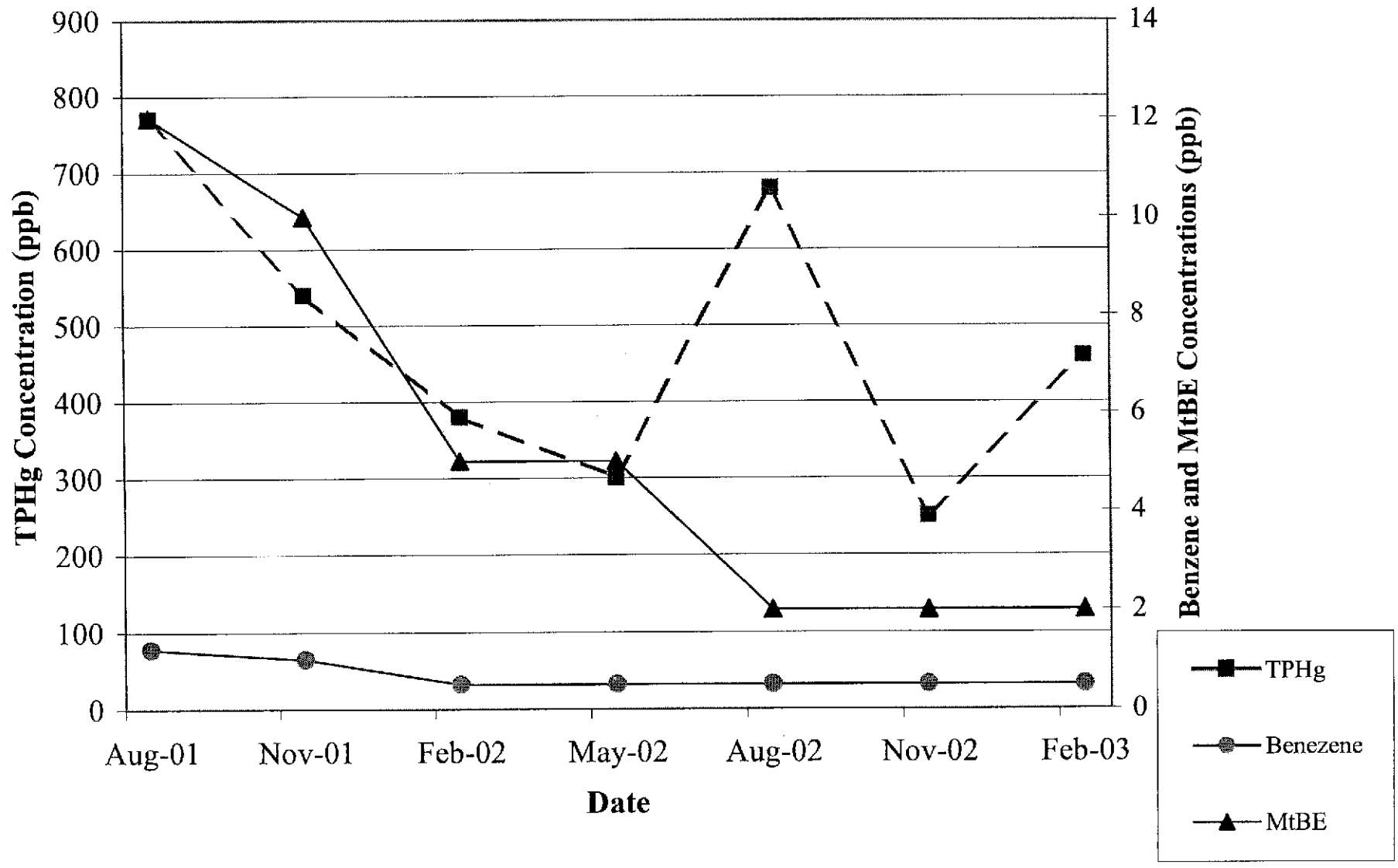
Chart 4 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-7



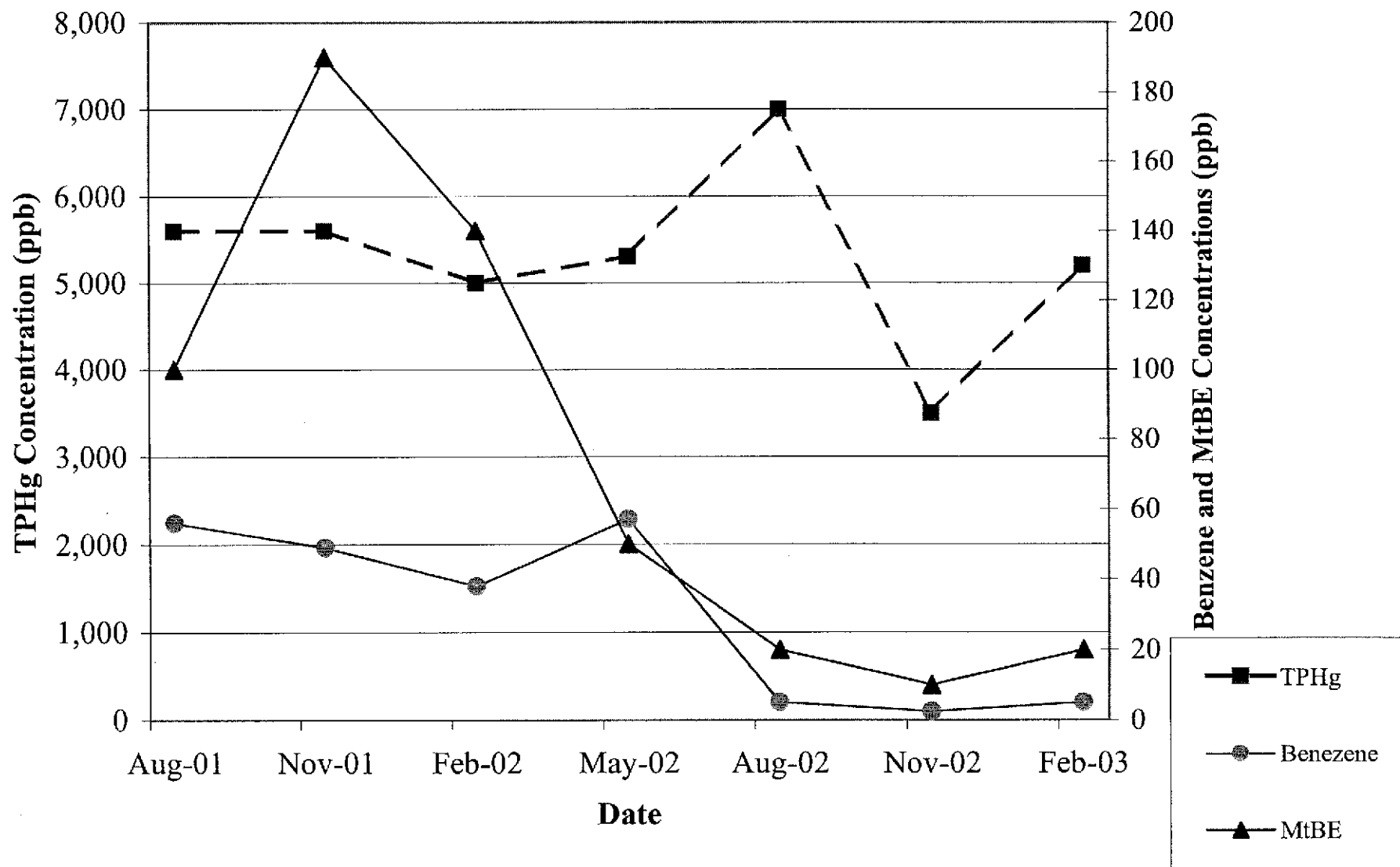
**Chart 5 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-8**



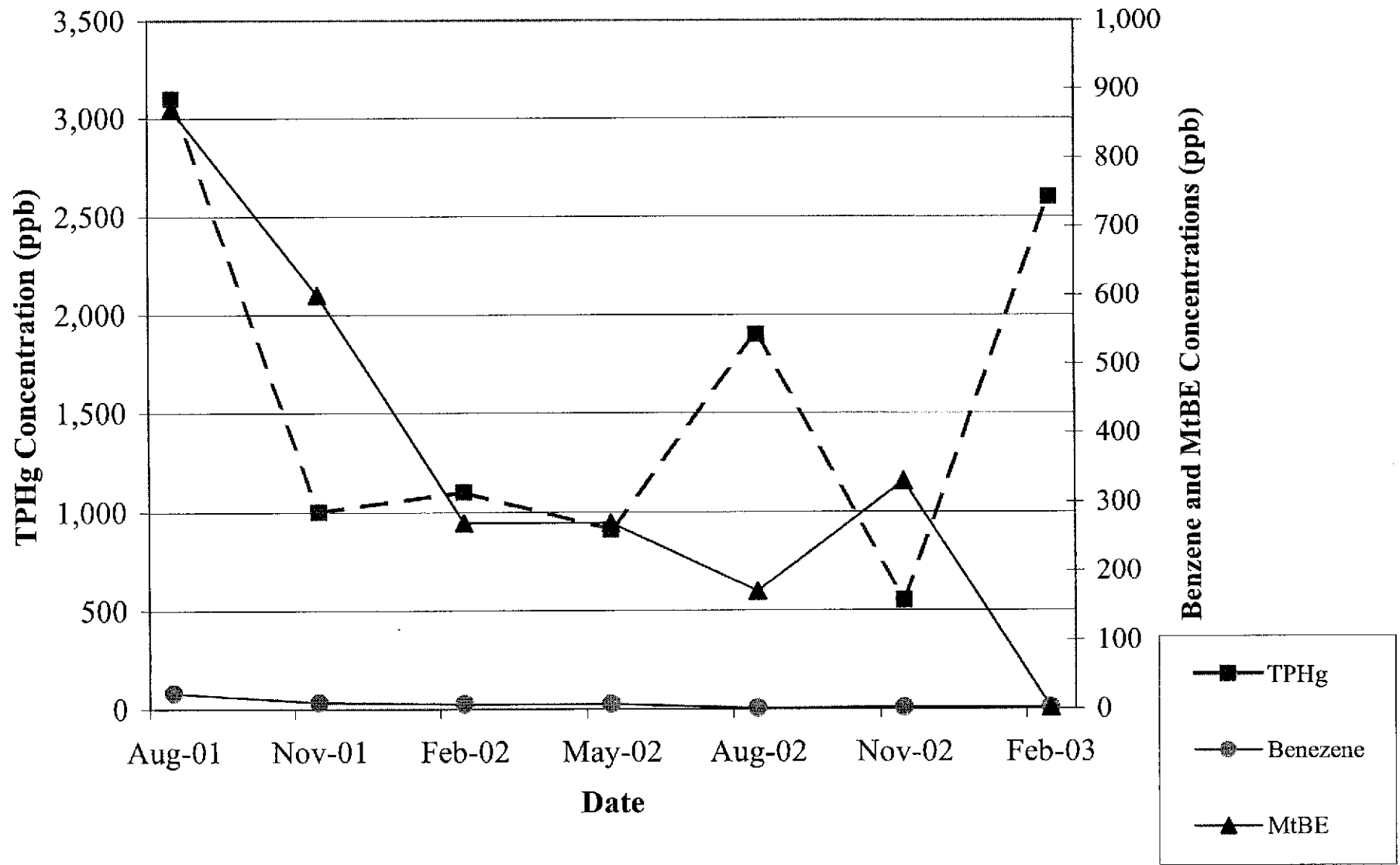
**Chart 6 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-9**



**Chart 7 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-10**



**Chart 8 - ConocoPhillips (76) Service Station No. 3292
Groundwater Concentrations vs. Time
MW-11**



APPENDIX A
SITE INFORMATION SUMMARY

SITE INFORMATION SUMMARY

I. SITE INFORMATION

Site Facility Name:		ConocoPhillips Service Station No. 3292		
Site Facility Address:		15008 East 14th Street San Leandro, California		
RWQCB LUST Case No.:		URF Filing Date: unknown		
Responsible Parties (include address and phone numbers)		ConocoPhillips		
David Dewitt 916-558-7666				
76 Broadway				
Sacramento, CA 95818				
Tank No.	Size in Gallons	Contents	Closed In -- Place/Removed?	Date
1	10,000	gasoline	removed	January-91
2	10,000	gasoline	removed	January-91
3	280	waste oil	removed	January-91
4	12,000 - double wall	gasoline	currently in use	May-03
5	12,000 - double wall	gasoline	currently in use	May-03
6	250	waste oil	currently in use	May-03

II. INITIAL SITE ASSESSMENT (Information from previous investigations at nearby sites and other available sources may be used for applicable items if necessary)

Cause and Estimated Quantity of Release: holes in UST observed during tank replacement, unknown quantity released			
Nearest Surface Water Bodies (including any unnamed creeks, tributaries, canals, etc.):		Their Geographical Distances From the Site:	
Estudillo Creek		2,800 feet south	
San Leandro Creek		1.4 miles south	
Nearest Domestic Water Wells (both public and private) within 2,000 feet:		Their Geographical Distances From the Site:	
domestic water well		1,500 feet south	
domestic water well		2,500 feet southeast	
Minimum Groundwater Depth:	6.08	Max. Depth:	14.72
Flow Direction: S/SW			
Site Ground Surface Elevation and Geology: The site is located at an elevation of approximately 35 feet above MSL. The site vicinity has been reported as composed of Pleistocene alluvium, consisting of clay, silt, sand, and gravel. The site is underlain by silt and clay with minor interbedding of silty to clayey sand, to at least 21.5 feet below ground surface.			
Current Site and Surrounding land Use: The site is currently an active 76 gasoline service station. The site vicinity is used for commercial and residential purposes, including service stations, automotive repair, retail and residential.			
Preferential Pathways Such as Subsurface Utilities? No If Yes, Describe			
Based on the average depth to water of approximately 10 feet, it is unlikely that subsurface utilities are acting as preferential pathways.			
Number of Soil Borings:	15	Number of Monitoring Wells:	11

III. REMEDIATION

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Free Product	NA		
Soil	745 cubic yards	offsite disposal	Feb-91
Groundwater	15,700 gallons	offsite disposal	Jan-91
Vapor	NA		

COMMENTS

MAXIMUM DOCUMENTED SOIL POLLUTANT CONCENTRATIONS

Pollutant	Location		Soil (ppm)		Pollutant	Location		Soil (ppm)	
	Date(s)		Initial	Residual		Date(s)		Initial	Residual
TPH (Gas)	Jan-91	Apr-91	2,600	620	Xylene	Jan-91	Apr-91	170	75
TPH (Diesel)	Jan-91		ND		Ethylbenzene	Jan-91	Apr-91	55	18
Benzene	Jan-91	Apr-91	7.1	6.8	Oil & Grease	Jan-91		ND	
Toluene	Jan-91	Apr-91	55	4.4	Heavy Metals	Jan-91		ND	
MTBE		May-98		<0.025	Motor Oil				
Chlorinated Solvents	Jan-91		ND		Other				

GROUNDWATER CONCENTRATIONS (ppb) TRENDS AT SOURCE AREAS & PLUME/SITE BOUNDARIES

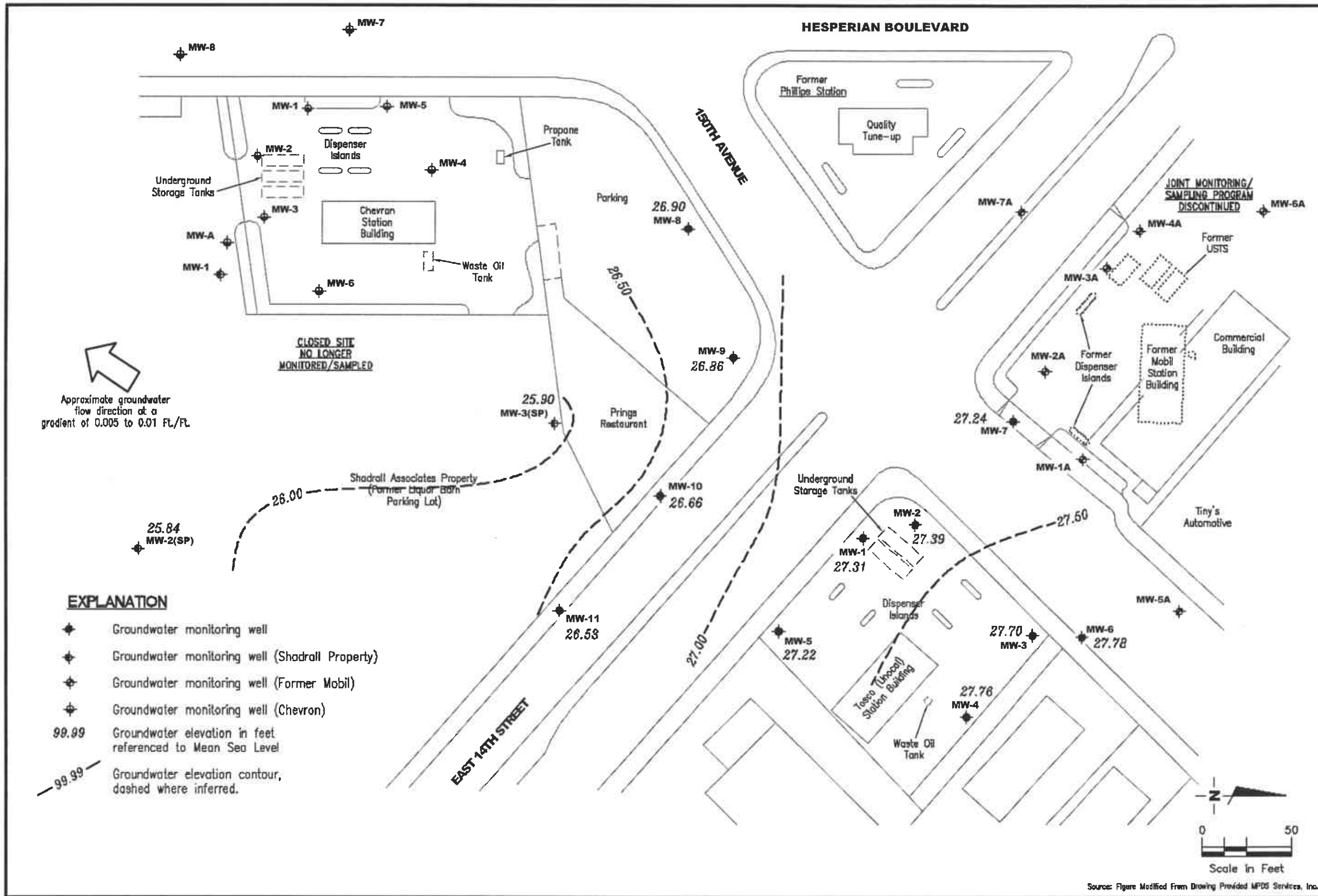
Date	Location	TPH-d	TPH-g	Benzene	Toluene	Ethylbenz	Xylene	MTBE	Chlor. vocs	Other	DTW
Aug-01	MW-1	NA	15,000	130	<20	170	<20	820	NA	NA	11.21
May-02	MW-1	NA	6,000	67	7	58	<5.0	<50	NA	NA	9.82
Feb-03	MW-1	NA	4,300	<2.5	<2.5	23	<5.0	35	NA	NA	9.03
Aug-01	MW-2	NA	3,100	<5.0	<5.0	<5.0	<5.0	<50	NA	NA	11.06
May-02	MW-2	NA	2,300	30	<5.0	<5.0	<5.0	<50	NA	NA	9.71
Feb-03	MW-2	NA	1,800	<0.5	<0.5	<0.5	<1.0	<10	NA	NA	8.91
Nov-99	MW-3	NA	ND	ND	ND	ND	ND	ND	NA	NA	11.06
Nov-99	MW-4	NA	ND	ND	ND	ND	ND	ND	NA	NA	11.48
May-01	MW-5	NA	15,600	ND	ND	1,290	476	ND	NA	NA	9.44
May-02	MW-5	NA	23,000	86	<25	1,500	450	<250	NA	NA	9.47
Nov-02	MW-5	NA	8,000	<2.5	<2.5	650	<5.0	<10	NA	NA	10.83
Nov-99	MW-6	NA	ND	ND	ND	ND	ND	ND	NA	NA	10.44
May-01	MW-7	NA	7,460	45	ND	186	94.4	ND	NA	NA	9.38
May-02	MW-7	NA	7,100	<5.0	<5.0	140	63	<50	NA	NA	9.28
Nov-02	MW-7	NA	3,400	3	<0.50	3	8	<20	NA	NA	10.95
May-01	MW-8	NA	695	ND	ND	ND	ND	ND	NA	NA	10.62
May-02	MW-8	NA	400	<0.50	0.78	<0.50	<0.50	<5.0	NA	NA	10.63
Nov-02	MW-8	NA	200	<0.50	<0.50	<0.50	<1.0	5.0	NA	NA	11.97
Aug-01	MW-9	NA	770	<1.2	<1.2	<1.2	<1.2	<12	NA	NA	11.34
May-02	MW-9	NA	300	<0.50	0.67	<0.50	<0.50	<5.0	NA	NA	10.00
Feb-03	MW-9	NA	460	<0.50	<0.50	<0.50	<1.0	<2.0	NA	NA	9.41
Aug-01	MW-10	NA	5,600	56	<10	<10	<10	<100	NA	NA	11.16
May-02	MW-10	NA	5,300	57	6	8	<5.0	<50	NA	NA	9.87
Feb-03	MW-10	NA	5,200	<5.0	<5.0	<5.0	<10	<20	NA	NA	9.36
Aug-01	MW-11	NA	3,100	23	<5.0	<5.0	<5.0	870	NA	NA	10.78
May-02	MW-11	NA	910	7	1	3	<12	270	NA	NA	9.51
Feb-03	MW-11	NA	2,600	2	1	2	<1.0	<2.0	NA	NA	8.97

IV. LIST TECHNICAL REPORTS, CORRESPONDENCE ETC. IN CHRONOLOGICAL ORDER

TITLE/SUBJECT	DATE
GR - Groundwater Monitoring and Sampling Report	3/18/2003
GR - Additional Subsurface Investigation Report	11/24/1999
KEI - Continuing Groundwater Investigation	10/5/1992

V. ENCLOSE FOLLOWING FIGURES AND TABLES

1. Site maps showing locations of existing buildings, former/current UST areas, subsurface utilities, and other pathways, groundwater flow direction, etc.
 2. Summary tables of all soil sampling results available, including any tank/excavation pit samples and confirmation samples, with sampling dates, location-identifications and depths (if applicable).
 3. Summary tables of all groundwater sampling results available, including depth to water/product measurements, with sampling dates and location-identifications.
 4. Figures showing all soil and groundwater sampling locations and monitoring well locations.
- Additional Comments:**



FIGURE

1

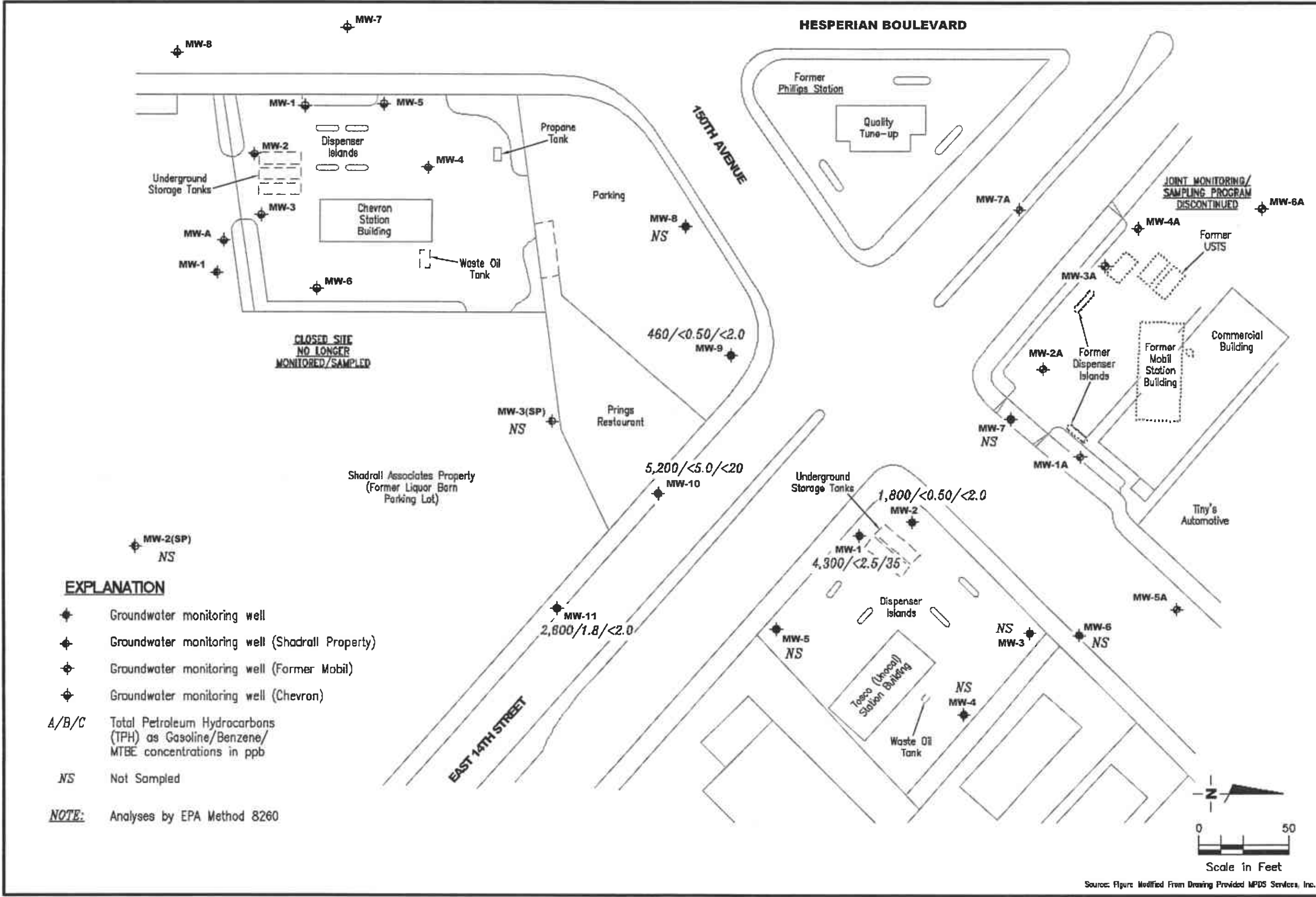
POTENTIOMETRIC MAP
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

DATE: February 14, 2003
 REVISED DATE:

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

REVIEWED BY:
 JOB NUMBER: 180105
 FILE NAME: P:\ADMIN\GEOGRAPH\PHILIPS-10800\3292\000-3292\106 | Layout Title Plot

Source: Figure Modified From Drawing Provided MPDS Services, Inc.



CONCENTRATION MAP

Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

GETTLER - RYAN INC.

8747 Sierra Ct., Suite J
 Dublin, CA 94568
 (925) 551-7555

JOB NUMBER: 180105
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 DATE: February 14, 2003
 REVISED DATE:

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	05/04/91	--	7.0-19.0	--	31,000	74	20	920	1,500	--
	09/19/91	--		--	26,000	130	16	1,300	1,800	--
	12/18/91	--		--	17,000	160	20	1,400	1,600	--
	03/17/92	--		--	23,000	320	19	1,000	940	--
	05/19/92	--		--	29,000	650	370	1,100	1,200	--
	08/20/92	--		--	18,000	230	22	640	950	--
36.72	09/16/92	13.67		23.05	--	--	--	--	--	--
	10/12/92	14.07		22.65	--	--	--	--	--	--
	11/10/92	13.96		22.76	18,000	220	ND	690	830	--
	12/10/92	13.15		23.57	--	--	--	--	--	--
	01/15/93	10.02		26.70	--	--	--	--	--	--
	02/20/93	9.01		27.71	19,000	190	ND	880	620	--
	03/18/93	9.48		27.24	--	--	--	--	--	--
	04/20/93	9.15		27.57	--	--	--	--	--	--
	05/21/93	9.80		26.92	27,000	150	200	1,200	950	--
	06/22/93	10.33		26.39	--	--	--	--	--	--
	07/23/93	10.79		25.93	--	--	--	--	--	--
	08/23/93	11.27		25.45	24,000	160	110	840	810	--
36.37	09/24/93	11.35		25.02	--	--	--	--	--	--
	11/23/93	11.84		24.53	18,000	210	63	900	620	--
	02/24/94	9.45		26.92	18,000	74	30	940	480	--
	05/25/94 ³	10.45		25.92	6,400	72	ND	170	67	--
	08/23/94	11.98		24.39	24,000	130	57	970	320	--
	11/23/94	11.17		25.20	23,000	180	44	970	270	--
	02/03/95	8.01		28.36	20,000	77	17	950	390	--
	05/10/95	8.51		27.86	16,000	230	27	880	630	--
	08/02/95	10.00		26.37	18,000	190	ND	860	590	--
	11/02/95	11.11		25.26	--	--	--	--	--	--
	11/20/95 ⁴	11.19		25.18	20,000	180	ND	960	450	970
	02/08/96	7.74		28.63	15,000	43	16	940	410	5,200
	05/08/96	8.50		27.87	16,000	37	16	930	410	1,600
	08/09/96	9.72		26.65	2,300	25	ND	77	39	1,200
	11/07/96	10.74		25.63	38,000	140	ND	1,900	5,600	ND

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1	02/10-11/97	7.92	7.0-19.0	28.45	7,300	91	ND	170	68	1,700
(cont)	05/07/97	9.24		27.13	11,000	120	ND	470	110	1,200
	08/05/97	10.20		26.17	530 ¹	5.9	ND	5.6	ND	430
	11/04/97	10.71		25.66	4,100	50	7.0	64	14	97
	02/12/98	6.27		30.10	8,500	160	ND ⁷	550	ND ⁷	1,900
36.34	05/15/98	7.62		28.72	5,600	57	ND ⁷	290	ND ⁷	1,500
	08/12/98	8.85		27.49	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	5,800
	11/12/98	9.71		26.63	ND ⁷	16	ND ⁷	ND ⁷	ND ⁷	12,000/13,000 ¹²
	03/01/99	7.85		28.49	5,700	43	ND ⁷	320	ND ⁷	5,000/9,600 ¹²
	05/12/99	8.70		27.64	ND ⁷	36	ND ⁷	ND ⁷	ND ⁷	12,000/21,000 ¹²
	08/11/99	9.81		26.53	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	5,760/8,650 ¹²
	11/04/99	10.72		25.62	1,640 ¹¹	11.0	ND ⁷	ND ⁷	ND ⁷	3,330/3,630 ¹⁸
	02/29/00	7.31		29.03	195 ¹⁹	ND	ND	ND	ND	580/657 ²⁰
	05/08/00	8.27		28.07	9,010 ¹⁷	60.5	ND ⁷	402	ND ⁷	2,260/1,780 ¹²
	08/08/00	9.85		26.49	2,060 ¹⁷	34.8	ND ⁷	38.7	ND ⁷	1,710/1,990 ¹⁸
	11/06/00	10.05		26.29	2,300 ¹¹	19.3	ND ⁷	4.37	ND ⁷	592
	02/07/01	9.64		26.70	2,700 ¹⁷	25	ND ⁷	38	ND ⁷	1,500/840 ¹²
	05/09/01	9.81		26.53	5,550 ¹¹	42.7	ND ⁷	48.4	ND ⁷	605/431 ¹⁸
	08/24/01	11.21		25.13	15,000 ¹¹	130	<20	170	<20	820
	11/16/01	11.49		24.85	8,900 ¹¹	65	<10	46	<10	640/490 ¹²
	02/21/02	8.93		27.41	7,400 ¹¹	73	<10	100	<10	400/170 ¹²
	05/10/02	9.82		26.52	6,000 ¹¹	67	6.7	58	<5.0	<50
	08/26/02 ²¹	11.03		25.31	9,200	<10	<10	62	<20	120
	11/07/02 ²¹	11.53		24.81	2,200 ²²	<2.5	<2.5	4.6	<5.0	20
	02/14/03²¹	9.03		27.31	4,300	<2.5	<2.5	23	<5.0	35
MW-2	05/04/91	--	7.0-19.5	--	19,000	6.6	1.4	460	630	--
	09/19/91	--		--	19,000	100	6.8	790	310	--
	12/18/91	--		--	10,000	110	5.1	420	96	--
	03/17/92	--		--	16,000	110	ND	730	220	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	05/19/92	--	7.0-19.5	--	17,000	140	87	680	170	--
(cont)	08/20/92	--		--	13,000	52	ND	660	70	--
36.89	09/16/92	13.80		23.09	--	--	--	--	--	--
	10/12/92	14.19		22.70	--	--	--	--	--	--
	11/10/92	14.06		22.83	11,000	36	7.2	570	45	--
	12/10/92	13.21		23.68	--	--	--	--	--	--
	01/15/93	10.12		26.77	--	--	--	--	--	--
	02/20/93	9.07		27.82	1,500	2.9	3.8	9.1	ND	--
	03/18/93	9.55		27.34	--	--	--	--	--	--
	04/20/93	9.19		27.70	--	--	--	--	--	--
	05/21/93	9.84		27.05	9,500	37	ND	470	62	--
	06/22/93	10.37		26.52	--	--	--	--	--	--
	07/23/93	10.83		26.06	--	--	--	--	--	--
	08/23/93	11.30		25.59	15,000	110	ND	590	64	--
36.34	09/24/93	11.14		25.20	--	--	--	--	--	--
	11/23/93	11.69		24.65	11,000	80	10	480	20	--
	02/24/94 ⁵	9.27		27.07	11,000	44	ND	580	32	--
	05/25/94	10.30		26.04	11,000	50	ND	400	22	--
	08/23/94	11.82		24.52	12,000	45	10	360	20	--
	11/23/94	10.97		25.37	15,000	61	24	440	ND	--
	02/03/95	7.87		28.47	9,700	5.7	ND	250	10	--
	05/10/95	8.38		27.96	7,500	56	4.7	310	33	--
	08/02/95	9.36		26.98	8,200	53	22	220	25	--
	11/02/95	10.95		25.39	5,000	56	4.5	170	7.7	110
	02/08/96	7.52		28.82	7,200	ND	ND	170	ND	ND
	05/08/96	8.21		28.13	8,400	5.6	9.0	170	10	130
	08/09/96	9.54		26.80	3,100	24	ND	80	ND	64
	11/07/96	10.69		25.65	36,000	140	ND	1,900	5,600	ND
	02/10-11/97	7.75		28.59	4,600	27	ND	53	ND	ND
	05/07/97	9.14		27.20	5,300	61	ND	78	20	180
	08/05/97	10.23		26.11	3,100	35	ND	13	ND	58

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2	11/04/97	10.65	7.0-19.5	25.69	1,200	16	ND	11	25	53
(cont)	02/12/98	6.20		30.14	630	12	ND ⁷	7.3	ND ⁷	48
36.30	05/15/98	7.50		28.80	3,600	19	ND ⁷	33	ND ⁷	72
	08/12/98	8.82		27.48	3,100	44	6.1	15	5.7	270
	11/12/98	9.60		26.70	3,200 ¹³	44	ND ⁷	15	ND ⁷	180
	03/01/99	7.81		28.49	3,600	45	6.2	7.5	ND ⁷	570
	05/12/99	8.65		27.65	3,100	65	ND ⁷	15	17	450
	08/11/99	9.95		26.35	3,260	33.6	ND ⁷	ND ⁷	ND ⁷	154
	11/04/99	10.78		25.52	3,160 ¹¹	38.9	7.10	ND ⁷	ND ⁷	120
	02/29/00	7.44		28.86	3,770 ¹¹	13.5	ND ⁷	12.0	ND ⁷	105
	05/08/00	8.42		27.88	3,840 ¹¹	ND ⁷	ND ⁷	9.54	ND ⁷	ND ⁷
	08/08/00	9.66		26.64	3,080 ¹¹	40.8	ND ⁷	ND ⁷	ND ⁷	149
	11/06/00	9.79		26.51	2,510 ¹¹	38.8	4.42	ND ⁷	ND ⁷	82.6
	02/07/01	9.43		26.87	9,300 ¹⁹	140	120	71	140	790
	05/09/01	9.65		26.65	3,300 ¹¹	37.9	ND ⁷	ND ⁷	ND ⁷	120
	08/24/01	11.06		25.24	3,100 ¹⁹	<5.0	<5.0	<5.0	<5.0	<50
	11/16/01	11.19		25.11	2,200 ¹¹	28	<5.0	<5.0	<5.0	76
	02/21/02	8.73		27.57	2,700 ¹¹	33	<5.0	<5.0	<5.0	100
	05/10/02	9.71		26.59	2,300 ¹¹	30	<5.0	<5.0	<5.0	<50
	08/26/02 ²¹	10.88		25.42	4,400	<5.0	<5.0	<5.0	<10	<20
	11/07/02 ²¹	11.16		25.14	1,100 ²²	<2.5	<2.5	<2.5	<5.0	<10
	02/14/03²¹	8.91		27.39	1,800²²	<0.50	<0.50	<0.50	<1.0	<2.0
MW-3	05/04/91	--	7.0-22.5	--	9,100	2.0	ND	55	180	--
	09/19/91	--		--	7,600	ND	13	190	170	--
	12/18/91	--		--	5,900	54	6.4	110	64	--
	03/17/92	--		--	5,800	66	7.5	100	58	--
	05/19/92	--		--	3,400	25	3.6	66	41	--
	08/20/92	--		--	4,500	58	ND	65	35	--
36.84	09/16/92	13.74		23.10	--	--	--	--	--	--
	10/12/92	14.13		22.71	--	--	--	--	--	--

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	11/10/92	14.03	7.0-22.5	22.81	3,400	37	ND	85	34	--
(cont)	12/10/92	13.15		23.69	--	--	--	--	--	--
	01/15/93	10.07		26.77	--	--	--	--	--	--
	02/20/93	9.02		27.82	1,600	12	18	8.9	12	--
	03/18/93	9.50		27.34	--	--	--	--	--	--
	04/20/93	9.02		27.82	--	--	--	--	--	--
	05/21/93	9.70		27.14	2,600	42	ND	43	15	--
	06/22/93	10.28		26.56	--	--	--	--	--	--
	07/23/93	10.74		26.10	--	--	--	--	--	--
	08/23/93	11.24		25.60	2,900	25	ND	50	18	--
36.42	09/24/93	11.20		25.22	--	--	--	--	--	--
	11/23/93	11.78		24.64	2,300	34	ND	24	5.6	--
	02/24/94	9.21		27.21	3,400	46	ND	53	11	--
	05/25/94	10.34		26.08	1,400	20	ND	ND	ND	--
	08/23/94	11.88		24.54	2,900	37	49	14	2.9	--
	11/23/94	10.98		25.44	3,200	48	ND	22	ND	--
	02/03/95	7.82		28.60	780	13	ND	2.1	ND	--
	05/10/95	8.38		28.04	1,300	ND	ND	ND	ND	--
	08/02/95	9.49		26.93	1,500	6.3	ND	16	2.1	--
	11/02/95	11.00		25.42	1,100	5.2	2.1	7.4	0.5	15
	02/08/96	7.41		29.01	450	ND	ND	ND	ND	ND
	05/08/96	8.20		28.22	590	ND	11	10	ND	ND
	08/09/96	9.53		26.89	ND	ND	ND	ND	ND	ND
	11/07/96	10.96		25.46	140	1.2	ND	ND	ND	5.6
	02/10-11/97	7.71		28.71	89	1.8	ND	ND	ND	ND
	05/07/97	9.17		27.25	52 ²	ND	ND	ND	5.1	5.1
	08/05/97	10.27		26.15	ND	ND	ND	ND	ND	ND
	11/04/97	10.83		25.59	93	1.8	ND	ND	ND	6.2
	02/12/98	6.00		30.42	56	0.59	ND	ND	ND	2.7
36.42	05/15/98	7.42		29.00	130 ⁸	0.68	ND	ND	0.63	10
	08/12/98	8.84		27.58	50	ND	ND	ND	ND	ND
	11/12/98	9.57		26.85	60 ¹³	ND	ND	ND	ND	3.8
	03/01/99	8.74		27.68	66	ND	ND	ND	ND	3.2

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15008 East 14th Street
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3	05/12/99	8.92	7.0-22.5	27.50	ND	ND	ND	ND	ND	ND
(cont)	08/11/99	10.18		26.24	ND	ND	ND	ND	ND	ND
	11/04/99	11.06		25.36	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLED		--	--	--	--	--	--	--
	08/08/00	10.03		26.39	--	--	--	--	--	--
	11/06/00	10.10		26.32	--	--	--	--	--	--
	02/07/01	9.81		26.61	--	--	--	--	--	--
	05/09/01	9.58		26.84	--	--	--	--	--	--
	08/24/01	11.12		25.30	--	--	--	--	--	--
	11/16/01	10.84		25.58	--	--	--	--	--	--
	02/21/02	8.68		27.74	--	--	--	--	--	--
	05/10/02	9.71		26.71	--	--	--	--	--	--
	08/26/02	10.85		25.57	--	--	--	--	--	--
	11/07/02	10.89		25.53	--	--	--	--	--	--
	02/14/03	8.72		27.70	--	--	--	--	--	--
MW-4	05/04/91	--	7.0-19.5	--	6,300	ND	ND	2.8	61	--
	09/19/91	--		--	1,800	0.83	ND	54	46	--
	12/18/91	--		--	2,500	28	2.5	54	22	--
	03/17/92	--		--	1,800	3.7	1.4	90	21	--
	05/19/92	--		--	2,000	20	3.5	42	8.3	--
	08/20/92	--		--	1,000	15	ND	11	3.0	--
37.40	09/16/92	14.31		23.09	--	--	--	--	--	--
	10/12/92	14.72		22.68	--	--	--	--	--	--
	11/10/92	14.57		22.83	690	9.1	ND	16	2.8	--
	12/10/92	13.67		23.73	--	--	--	--	--	--
	01/15/93	10.62		26.78	--	--	--	--	--	--
	02/20/93	9.59		27.81	2,400	40	2.1	33	ND	--
	03/18/93	9.97		27.43	--	--	--	--	--	--
	04/20/93	9.67		27.73	--	--	--	--	--	--
	05/21/93	10.32		27.08	1,900	31	ND	20	4.5	--

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Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (mst)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	06/22/93	10.91	7.0-19.5	26.49	--	--	--	--	--	--
(cont)	07/23/93	11.38		26.02	--	--	--	--	--	--
	08/23/93	11.86		25.54	1,200	5.0	ND	16	ND	--
37.04	09/24/93	11.85		25.19	--	--	--	--	--	--
	11/23/93	12.44		24.60	720	10	ND	8.7	ND	--
	02/24/94	9.89		27.15	1,300	8.9	ND	20	ND	--
	05/25/94	11.02		26.02	1,700	22	ND	4.5	ND	--
	08/23/94	12.57		24.47	690	9.2	1.3	7.1	1.9	--
	11/23/94	11.65		25.39	420	5.0	1.1	4.2	1.2	--
	02/03/95	8.52		28.52	620	6.4	ND	9.3	ND	--
	05/10/95	9.97		27.07	280	2.8	ND	2.7	2.4	--
	08/02/95	10.18		26.86	290	3.6	ND	2.8	ND	--
	11/02/95	11.67		25.37	42,000	390	210	2,800	6,300	270
	02/08/96	8.15		28.89	130	2.1	ND	1.5	0.69	ND
	05/08/96	INACCESSIBLE		--	--	--	--	--	--	--
	08/09/96	10.24		26.80	ND	ND	ND	ND	ND	ND
	11/07/96	11.58		25.46	ND	ND	ND	ND	ND	ND
	02/10-11/97	8.45		28.59	ND	ND	ND	ND	ND	ND
	05/07/97	9.85		27.19	ND	ND	ND	ND	ND	ND
	08/05/97	11.04		26.00	50	0.76	ND	ND	ND	ND
	11/04/97	11.46		25.58	ND	ND	ND	ND	ND	ND
	02/12/98	5.75		31.29	ND	ND	ND	ND	ND	ND
37.04	05/15/98	7.28		29.76	ND	ND	ND	ND	ND	ND
	08/12/98	9.85		27.19	ND	ND	ND	ND	ND	ND
	11/12/98	10.28		26.76	ND	ND	ND	ND	ND	ND
	03/01/99	8.51		28.53	ND	ND	ND	ND	ND	ND
	05/12/99	9.32		27.72	ND	ND	ND	ND	ND	ND
	08/11/99	10.65		26.39	ND	ND	ND	ND	ND	ND
	11/04/99	11.48		25.56	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLED		--	--	--	--	--	--	--
	08/08/00	10.67		26.37	--	--	--	--	--	--
	11/06/00	10.56		26.48	--	--	--	--	--	--
	02/07/01	10.40		26.64	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4	05/09/01	9.16		27.88	--	--	--	--	--	--
(cont)	08/24/01	11.80	7.0-19.5	25.24	--	--	--	--	--	--
	11/16/01	10.46		26.58	--	--	--	--	--	--
	02/21/02	9.37		27.67	--	--	--	--	--	--
	05/10/02	10.41		26.63	--	--	--	--	--	--
	08/26/02	11.55		25.49	--	--	--	--	--	--
	11/07/02	10.44		26.60	--	--	--	--	--	--
	02/14/03	9.28		27.76	--	--	--	--	--	--
MW-5	05/04/91	--	7.0-22.5	--	69,000	1,400	2,500	3,500	15,000	--
	09/19/91	--		--	57,000	1,600	2,700	5,200	20,000	--
	12/18/91	--		--	31,000	1,600	3,100	4,800	19,000	--
	03/17/92	--		--	81,000	850	1,600	4,800	18,000	--
	05/19/92	--		--	84,000	760	1,500	4,000	17,000	--
	08/20/92	--		--	58,000	660	1,700	4,200	19,000	--
36.40	09/16/92	13.37		23.03	--	--	--	--	--	--
	10/12/92	13.75		22.65	--	--	--	--	--	--
	11/10/92	13.68		22.72	57,000	800	1,800	4,400	18,000	--
	12/10/92	12.58		23.82	--	--	--	--	--	--
	01/15/93	9.71		26.69	--	--	--	--	--	--
	02/20/93	8.69		27.71	17,000	75	ND	1,000	620	--
	03/18/93	9.16		27.24	--	--	--	--	--	--
	04/20/93	8.88		27.52	--	--	--	--	--	--
	05/21/93	9.56		26.84	55,000	ND	160	3,500	12,000	--
	06/22/93	10.05		26.35	--	--	--	--	--	--
	07/23/93	10.53		25.87	--	--	--	--	--	--
	08/23/93	10.98		25.42	61,000	340	380	3,600	14,000	--
35.94	09/24/93	10.94		25.00	--	--	--	--	--	--
	11/23/93	11.45		24.49	46,000	290	310	4,100	15,000	--
	02/24/94	9.02		26.92	57,000	140	400	4,400	16,000	--
	05/25/94	10.03		25.91	53,000	ND	ND	4,000	14,000	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msf)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	08/23/94	11.57	7.0-22.5	24.37	61,000	360	380	4,800	17,000	--
(cont)	11/23/94	10.71		25.23	46,000	230	260	3,900	14,000	--
	02/03/95	7.69		28.25	56,000	140	330	3,500	13,000	--
	05/10/95	8.20		27.74	27,000	160	170	2,200	5,200	--
	08/02/95	9.23		26.71	65,000	260	300	3,500	12,000	--
	11/02/95	10.70		25.24	240	0.76	ND	1.1	ND	ND
	02/08/96	7.36		28.58	54,000	210	150	3,400	12,000	170
	05/08/96	8.25		27.69	52,000	170	200	3,600	11,000	170
	08/09/96	9.37		26.57	25,000	54	16	1,700	4,700	ND
	11/07/96	10.65		25.29	2,100	42	ND	9.3	ND	2,300
	02/10-11/97	7.63		28.31	15,000	46	29	1,400	4,100	ND
	05/07/97	8.98		26.96	38,000	120	ND	2,000	5,100	380
	08/05/97	11.08		24.86	310	1.0	ND	17	40	ND
	11/04/97	10.72		25.22	20,000	ND	ND	1,500	2,800	280
	02/12/98	6.08		29.86	33,000	120	ND ⁷	1,700	3,800	ND ⁷
35.92	05/15/98	7.40		28.52	30,000	ND ⁷	ND ⁷	2,200	4,900	ND ⁷
	08/12/98	8.69		27.23	24,000	100	ND ⁷	ND ⁷	3,400	1,000
	11/12/98	9.48		26.44	13,000 ¹³	65	ND ⁷	1,100	1,400	780
	03/01/99	7.54		28.38	29,000	75	ND ⁷	2,000	4,100	690
	05/12/99	8.48		27.44	19,000	110	ND ⁷	990	1,900	330
	08/11/99	9.74		26.18	24,300	ND ⁷	ND ⁷	1,540	1,740	ND ⁷
	11/04/99	10.56		25.36	19,500 ¹⁷	37.1	ND ⁷	1,300	1,030	ND ⁷
	02/29/00	7.19		28.73	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/08/00	8.23		27.69	25,700 ¹¹	37.6	ND ⁷	2,020	3,500	ND ⁷
	08/08/00	9.51		26.41	--	--	--	--	--	--
	11/06/00	10.04		25.88	14,100 ¹¹	37.1	ND ⁷	1,250	497	ND ⁷
	02/07/01	9.23		26.69	--	--	--	--	--	--
	05/09/01	9.44		26.48	15,600 ¹¹	ND ⁷	ND ⁷	1,290	476	ND ⁷
	08/24/01	10.75		25.17	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/16/01	10.93		24.99	15,000 ¹¹	40	<25	1,100	54	<250
	02/21/02	8.52		27.40	--	--	--	--	--	--
	05/10/02	9.47		26.45	23,000 ¹¹	86	<25	1,500	450	<250
	08/26/02	10.60		25.32	SAMPLED SEMI-ANNUALLY	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5	11/07/02 ²¹	10.83	7.0-22.5	25.09	8,000 ²²	<2.5	<2.5	650	<5.0	<10
(cont)	02/14/03	8.70		27.22	SAMPLED SEMI-ANNUALLY		--	--	--	--
MW-6	05/19/92	--	8.0-20.0	--	1,300	2.0	2.1	ND	2.7	--
	08/20/92	--		--	280	8.4	ND	0.51	0.84	--
36.03	09/16/92	12.91		23.12	--	--	--	--	--	--
	10/12/92	13.28		22.75	--	--	--	--	--	--
	11/10/92	13.18		22.85	490	7.0	1.2	1.7	ND	--
	12/10/92	12.33		23.70	--	--	--	--	--	--
	01/15/93	9.25		26.78	--	--	--	--	--	--
	02/20/93	8.24		27.79	2,400	43	ND	33	2.0	--
	03/18/93	8.74		27.29	--	--	--	--	--	--
	04/20/93	8.12		27.91	--	--	--	--	--	--
	05/21/93	8.83		27.20	940	18	1.0	7.1	2.7	--
	06/22/93	9.38		26.65	--	--	--	--	--	--
	07/23/93	9.87		26.16	--	--	--	--	--	--
	08/23/93	10.35		25.68	1,000	9.4	2.3	5.0	2.3	--
35.67	09/24/93	10.34		25.33	--	--	--	--	--	--
	11/23/93	10.96		24.71	520	ND	1.7	1.9	0.82	--
	02/24/94 ⁵	8.39		27.28	810	12	ND	2.6	0.77	--
	05/25/94	9.55		26.12	500	11	ND	ND	0.73	--
	08/23/94	10.97		24.70	570	8.8	2.5	3.2	2.6	--
	11/23/94	10.21		25.46	460	6.4	1.1	1.9	1.1	--
	02/03/95	6.99		28.68	660	4.8	13	1.4	ND	--
	05/10/95	7.53		28.14	470	ND	0.65	1.4	0.67	--
	08/02/95	8.68		26.99	360	3.2	ND	1.6	ND	--
	11/02/95	10.20		25.47	470	ND	0.92	0.89	0.58	5.5
	02/08/96	6.66		29.01	450	3.1	ND	1.1	0.68	ND
	05/08/96	7.40		28.27	ND	ND	ND	ND	ND	ND
	08/09/96	8.72		26.95	ND	ND	ND	ND	ND	ND
	11/07/96	10.12		25.55	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #3292
15008 East 14th Street
San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-6	02/10-11/97	6.88	8.0-20.0	28.79	ND	ND	ND	ND	ND	ND
(cont)	05/07/97	8.32		27.35	ND	ND	1.1	ND	ND	ND
	08/05/97	9.64		26.03	55	0.79	ND	ND	ND	ND
	11/04/97	10.30		25.37	ND	ND	ND	ND	ND	ND
	02/12/98	5.10		30.57	ND	ND	ND	ND	ND	ND
35.68	05/15/98	6.61		29.07	ND	ND	ND	ND	ND	ND
	08/12/98	8.02		27.66	ND	ND	ND	ND	ND	ND
	11/12/98	8.74		26.94	ND	ND	ND	ND	ND	ND
	03/01/99	7.22		28.46	ND	ND	ND	ND	ND	ND
	05/12/99	8.05		27.63	ND	ND	ND	ND	ND	ND
	08/11/99	9.53		26.15	ND	ND	ND	ND	ND	ND
	11/04/99	10.44		25.24	ND	ND	ND	ND	ND	ND
	02/29/00	NOT MONITORED/SAMPLED		--	--	--	--	--	--	--
	08/08/00	9.16		26.52	--	--	--	--	--	--
	11/06/00	9.28		26.40	--	--	--	--	--	--
	02/07/01	9.18		26.50	--	--	--	--	--	--
	05/09/01	8.76		26.92	--	--	--	--	--	--
	08/24/01	10.33		25.35	--	--	--	--	--	--
	11/16/01	9.97		25.71	--	--	--	--	--	--
	02/21/02	7.86		27.82	--	--	--	--	--	--
	05/10/02	8.93		26.75	--	--	--	--	--	--
	08/26/02	10.09		25.59	--	--	--	--	--	--
	11/07/02	9.93		25.75	--	--	--	--	--	--
	02/14/03	7.90		27.78	--	--	--	--	--	--
MW-7	05/19/92	--	11.0-21.5	--	17,000	540	90	1,200	1,900	--
	08/20/92	--		--	13,000	460	54	ND	3,100	--
36.40	09/16/92	13.23		23.17	--	--	--	--	--	--
	10/12/92	13.65		22.75	--	--	--	--	--	--
	11/10/92	13.54		22.86	1,800	74	ND	230	350	--
	12/10/92	12.52		23.88	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	01/15/93	9.59	11.0-21.5	26.81	--	--	--	--	--	--
(cont)	02/20/93	8.55		27.85	1,800	37	4.6	11	7.7	--
	03/18/93	8.98		27.42	--	--	--	--	--	--
	04/20/93	8.52		27.88	--	--	--	--	--	--
	05/21/93	9.16		27.24	22,000	330	37	2,100	2,900	--
	06/22/93	9.66		26.74	--	--	--	--	--	--
	07/23/93	10.15		26.25	--	--	--	--	--	--
	08/23/93	10.65		25.75	33,000	360	ND	2,500	4,300	--
36.09	09/24/93	10.77		25.32	--	--	--	--	--	--
	11/23/93	11.28		24.81	19,000	310	30	2,500	2,300	--
	02/24/94 ⁵	8.95		27.14	16,000	220	19	2,400	3,200	--
	05/25/94	10.00		26.09	14,000	200	ND	1,500	1,800	--
	08/23/94	11.43		24.66	19,000	210	50	2,000	2,800	--
	11/23/94	10.69		25.40	10,000	220	ND	1,000	730	--
	02/03/95	7.49		28.60	26,000	170	ND	2,300	3,700	--
	05/10/95	7.88		28.21	1,300	13	1.5	170	230	--
	08/02/95	9.02		27.07	15,000	200	ND	2,200	2,000	--
	11/02/95	10.55		25.54	18,000	190	9.4	2,100	2,200	72
	02/08/96	7.13		28.96	19,000	150	ND	2,100	3,000	ND
	05/08/96	7.11		28.98	13,000	130	18	1,900	1,600	85
	08/09/96	9.07		27.02	11,000	67	ND	1,700	1,800	ND
	11/07/96	10.76		25.33	32,000	160	ND	3,300	8,400	570
	02/10-11/97	7.22		28.87	7,100	55	ND	ND	620	ND
	05/07/97	8.47		27.62	6,000	74	ND	560	330	250
	08/05/97	10.25		25.84	5,000	66	ND	420	240	ND
	11/04/97	10.69		25.40	20,000	67	ND	2,300	4,300	430
	02/12/98	5.02		31.07	5,500	95	ND ⁷	150	110	ND ⁷
36.06	05/15/98	6.98		29.08	1,300	ND ⁷	ND ⁷	69	64	88
	08/12/98	8.42		27.64	1,400	12	2.3	67	ND ⁷	30
	11/12/98	9.10		26.96	6,300 ¹³	63	ND ⁷	230	100	ND ⁷
	03/01/99	7.14		28.92	1,000	24	ND ⁷	23	26	39
	05/12/99	8.07		27.99	4,700	79	ND ⁷	120	210	210
	08/11/99	9.44		26.62	4,700 ¹⁷	61.6	ND ⁷	58.2	23.6	187

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Groundwater Monitoring Data and Analytical Results
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 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-7	11/04/99	10.38	11.0-21.5	25.68	5,980 ¹¹	56.3	ND ⁷	44.5	21.2	194
(cont)	02/29/00	7.06		29.00	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	8.15		27.91	6,600 ¹¹	80.0	ND ⁷	99.6	66.5	ND ⁷
	08/08/00	9.21		26.85	--	--	--	--	--	--
	11/06/00	9.77		26.29	6,030 ¹¹	56.3	ND ⁷	156	63.1	281
	02/07/01	9.02		27.04	--	--	--	--	--	--
	05/09/01	9.38		26.68	7,460 ¹¹	45.0	ND ⁷	186	94.4	ND ⁷
	08/24/01	10.73		25.33	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/16/01	10.97		25.09	8,000 ¹¹	50	<10	61	18	<100
	02/21/02	8.60		27.46	--	--	--	--	--	--
	05/10/02	9.28		26.78	7,100 ¹¹	<5.0	<5.0	140	63	<50
	08/26/02	10.40		25.66	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/07/02 ²¹	10.95		25.11	3,400 ²²	3.1	<0.50	25	7.8	<2.0
	02/14/03	8.82		27.24	SAMPLED SEMI-ANNUALLY		--	--	--	--
MW-8	05/19/92	--	8.0-19.0	--	5,300	28	3.3	2.6	2.1	--
	08/20/92	--		--	3,500 ¹	67	11	ND	ND	--
37.14	09/16/92	14.13		23.01	--	--	--	--	--	--
	10/12/92	14.51		22.63	--	--	--	--	--	--
	11/10/92	14.46		22.68	1,800	20	ND	ND	ND	--
	12/10/92	13.51		23.63	--	--	--	--	--	--
	01/15/93	10.50		26.64	--	--	--	--	--	--
	02/20/93	9.50		27.64	2,200	32	ND	42	5.0	--
	03/18/93	9.89		27.25	--	--	--	--	--	--
	04/20/93	9.91		27.23	--	--	--	--	--	--
	05/21/93	10.40		26.74	2,500	44	ND	ND	ND	--
	06/22/93	10.86		26.28	--	--	--	--	--	--
	07/23/93	11.29		25.85	--	--	--	--	--	--
	08/23/93	11.76		25.38	280 ¹	49	4.5	ND	ND	--
36.89	09/24/93	12.00		24.89	--	--	--	--	--	--
	11/23/93	12.38		24.51	1,800	ND	3.4	ND	ND	--

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WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	02/24/94	10.44	8.0-19.0	26.45	1,200	10	2.3	ND	3.2	--
(cont)	05/25/94	11.12		25.77	14,000	29	ND	ND	ND	--
	08/23/94	12.61		24.28	3,200	46	18	2.0	7.2	--
	11/23/94	11.98		24.91	1,700	34	ND	ND	3.1	--
	02/03/95	9.16		27.73	800	6.1	ND	ND	ND	--
	05/10/95	9.35		27.54	1,400	15	1.5	0.65	0.84	--
	08/02/95	10.40		26.49	690	8.3	1.9	ND	ND	--
	11/02/95	11.80		25.09	1,200	ND	1.9	0.56	ND	6.4
	02/08/96	8.98		27.91	--	--	--	--	--	--
	02/14/96 ⁶	9.24		27.65	650	9.0	1.2	ND	0.52	ND
	05/08/96	9.46		27.43	1,200	0.7	35	2.2	3.0	ND
	08/09/96	10.47		26.42	350	ND	12	0.81	0.95	ND
	11/07/96	11.71		25.18	1,000	23	ND	ND	ND	ND
	02/10-11/97	8.84		28.05	630	13	ND	ND	8.1	ND
	05/07/97	10.12		26.77	1,200 ¹	26	3.4	ND	20	20
	08/05/97	11.26		25.63	590 ¹	9.8	ND	ND	ND	ND
	11/04/97	11.58		25.31	640	14	1.9	5.7	11	ND
	02/12/98	7.34		29.55	770 ⁸	20	3.0	ND ⁷	ND ⁷	ND ⁷
36.87	05/15/98	8.67		28.20	840 ⁸	10	ND ⁷	ND ⁷	3.1	ND ⁷
	08/12/98	9.78		27.09	240 ¹⁰	0.75	ND	ND	ND	ND
	11/12/98	10.62		26.25	300	14	2.0	ND ⁷	ND ⁷	ND ⁷
	03/01/99	9.02		27.85	1,100	22	4.6	2.1	4.9	12
	05/12/99	9.65		27.22	650	17	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/11/99	10.85		26.02	168	6.68	ND	0.544	ND	ND
	11/04/99	11.72		25.15	1,010 ¹¹	15.8	2.28	ND ⁷	ND ⁷	16.2
	02/29/00	8.25		28.62	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	05/08/00	9.21		27.66	199 ¹⁹	6.26	ND	ND	ND	ND
	08/08/00	10.35		26.52	--	--	--	--	--	--
	11/06/00	10.76		26.11	797 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	02/07/01	10.16		26.71	--	--	--	--	--	--
	05/09/01	10.62		26.25	695 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/24/01	11.97		24.90	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/16/01	12.27		24.60	1,000 ¹⁹	<2.0	<2.0	<2.0	<2.0	<20

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-8	02/21/02	10.03	8.0-19.0	26.84	--	--	--	--	--	--
(cont)	05/10/02	10.63		26.24	400 ¹⁹	<0.50	0.78	<0.50	<0.50	<5.0
	08/26/02	11.80		25.07	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/07/02 ²¹	11.97		24.90	200 ²²	<0.50	<0.50	<0.50	<1.0	5.0
	02/14/03	9.97		26.90	SAMPLED SEMI-ANNUALLY		--	--	--	--
MW-9	05/19/92	--	8.0-19.0	--	8,100	11	ND	25	5.8	--
	08/20/92	--		--	3,800 ¹	37	ND	ND	ND	--
36.92	09/16/92	13.90		23.02	--	--	--	--	--	--
	10/12/92	14.28		22.64	--	--	--	--	--	--
	11/10/92	14.22		22.70	4,200	ND	ND	21	23	--
	12/10/92	13.40		23.52	--	--	--	--	--	--
	01/15/93	10.24		26.68	--	--	--	--	--	--
	02/20/93	9.22		27.70	2,300	47	ND	32	ND	--
	03/18/93	9.55		27.37	--	--	--	--	--	--
	04/20/93	9.62		27.30	--	--	--	--	--	--
	05/21/93	10.16		26.76	3,200	32	ND	8.1	ND	--
	06/22/93	10.62		26.30	--	--	--	--	--	--
	07/23/93	11.07		25.85	--	--	--	--	--	--
	08/23/93	11.54		25.38	3,000	29	ND	ND	ND	--
36.29	09/24/93	11.18		25.11	--	--	--	--	--	--
	11/23/93	11.80		24.49	2,500	23	2.1	ND	ND	--
	02/24/94	9.74		26.55	2,900	35	ND	ND	ND	--
	05/25/94	10.48		25.81	ND	ND	ND	ND	ND	--
	08/23/94	11.99		24.30	2,800	28	32	ND	ND	--
	11/23/94	11.31		24.98	2,000	24	2.2	2.2	2.5	--
	02/03/95	8.45		27.84	2,100	26	2.5	ND	ND	--
	05/10/95	8.70		27.59	1,700	0.81	2.2	1.0	1.4	--
	08/02/95	9.75		26.54	1,900	26	6.6	ND	3.9	--
	11/02/95	11.16		25.13	1,600	ND	1.3	ND	ND	11
	02/08/96	8.15		28.14	1,900	ND	ND	ND	ND	ND

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-9	05/08/96	8.75	8.0-19.0	27.54	1,700	1.9	22	1.7	2.7	ND
(cont)	08/09/96	9.84		26.45	200	ND	4.5	ND	0.58	ND
	11/07/96	11.10		25.19	920	24	ND	ND	ND	ND
	02/10-11/97	8.15		28.14	580	14	2.4	ND	ND	16
	05/07/97	9.45		26.84	810	11	3.9	1.7	9.9	13
	08/05/97	10.70		25.59	850 ⁷	21	ND	ND	ND	33
	11/04/97	11.05		25.24	730	11	ND	5.1	11	ND
	02/12/98	6.60		29.69	820 ⁸	23	3.2	ND ⁷	ND ⁷	18
36.27	05/15/98	8.01		28.26	390	5.5	1.2	ND	13	13
	08/12/98	9.18		27.09	780	14	ND	0.52	ND	12
	11/12/98	9.91		26.36	180	6.3	ND	ND	0.62	8.1
	03/01/99	8.34		27.93	790 ⁸	24	ND	ND	1.7	32
	05/12/99	9.04		27.23	930 ¹⁶	13	2.2	1.2	1.5	10
	08/11/99	10.25		26.02	1,120	19.7	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	11/04/99	11.10		25.17	756 ¹¹	14.2	1.94	ND ⁷	ND ⁷	22.8
	02/29/00	8.12		28.15	955 ¹⁹	22.9	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	05/08/00	9.09		27.18	895 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/08/00	10.08		26.19	630 ¹¹	18.2	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	11/06/00	10.52		25.75	712 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	02/07/01	9.78		26.49	750 ¹⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	66
	05/09/01	9.98		26.29	704 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷
	08/24/01	11.34		24.93	770 ¹⁹	<1.2	<1.2	<1.2	<1.2	<12
	11/16/01	11.63		24.64	540 ¹⁹	<1.0	<1.0	<1.0	<1.0	<10
	02/21/02	9.35		26.92	380 ¹⁹	<0.50	<0.50	<0.50	<0.50	<5.0
	05/10/02	10.00		26.27	300 ¹⁹	<0.50	0.67	<0.50	<0.50	<5.0
	08/26/02 ²¹	11.17		25.10	680	<0.50	<0.50	<0.50	<1.0	<2.0
	11/07/02 ²¹	11.56		24.71	250 ²²	<0.50	<0.50	<0.50	<1.0	<2.0
	02/14/03 ²¹	9.41		26.86	460 ²²	<0.50	<0.50	<0.50	<1.0	<2.0

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	08/20/92	--	8.0-20.0	--	15,000	230	ND	1,000	350	--
36.26	09/16/92	13.28		22.98	--	--	--	--	--	--
	10/12/92	13.67		22.59	--	--	--	--	--	--
	11/10/92	13.59		22.67	15,000	300	42	3,500	330	--
	12/10/92	12.53		23.73	--	--	--	--	--	--
	01/15/93	9.60		26.66	--	--	--	--	--	--
	02/20/93	8.57		27.69	17,000	74	ND	1,000	620	--
	03/18/93	9.03		27.23	--	--	--	--	--	--
	04/20/93	9.09		27.17	--	--	--	--	--	--
	05/21/93	9.63		26.63	23,000	250	ND	3,000	240	--
	06/22/93	10.12		26.14	--	--	--	--	--	--
	07/23/93	10.54		25.72	--	--	--	--	--	--
	08/23/93	10.99		25.27	20,000	230	13	3,200	140	--
36.04	09/24/93	11.17		24.87	--	--	--	--	--	--
	11/23/93	11.67		24.37	18,000	300	10	2,800	110	--
	02/24/94	9.57		26.47	15,000	330	19	2,000	83	--
	05/25/94	10.32		25.72	14,000	240	ND	230	62	--
	08/23/94	11.81		24.23	16,000	250	41	1,800	74	--
	11/23/94	11.10		24.94	16,000	260	ND	1,600	49	--
	02/03/95	8.32		27.72	17,000	310	ND	1,500	93	--
	05/10/95	8.70		27.34	12,000	260	16	1,200	54	--
	08/02/95	9.55		26.49	8,900	240	ND	780	40	--
	11/02/95	11.03		25.01	9,300	190	ND	470	1.7	110
	02/08/96	8.05		27.99	9,700	170	ND	440	ND	ND
	05/08/96	8.70		27.34	7,100	100	ND	240	ND	43
	08/09/96	9.76		26.28	4,400	59	7.5	110	6.5	73
	11/07/96	10.92		25.12	6,300	65	ND	110	ND	130
	02/10-11/97	8.10		27.94	6,800	91	ND	100	ND	210
	05/07/97	9.28		26.76	4,800	76	ND	50	ND	160
	08/05/97	10.51		25.53	4,200	52	ND	40	ND	81
	11/04/97	11.02		25.02	4,500	49	ND	63	ND	84
	02/12/98	6.85		29.19	6,200	98	ND ⁷	91	ND ⁷	420
36.02	05/15/98	8.05		27.97	7,200	84	ND ⁷	84	ND ⁷	260

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Tosco (Unocal) Service Station #3292
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WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-10	08/12/98	9.27	8.0-20.0	26.75	7,500	6.9	11	47	ND ⁷	130
(cont)	11/12/98	10.03		25.99	4,200 ¹³	23	ND ⁷	24	ND ⁷	130
	03/01/99	8.56		27.46	5,900 ⁸	37	ND ⁷	50	26	300
	05/12/99	8.92		27.10	7,400 ¹⁶	37	ND ⁷	32	ND ⁷	170
	08/11/99	10.10		25.92	5,060	38.1	ND ⁷	12.9	ND ⁷	75.5
	11/04/99	11.03		24.99	6,190 ¹¹	76.7	8.01	13.4	ND ⁷	234
	02/29/00	9.67		26.35	7,120 ¹¹	27.8	ND ⁷	24.7	ND ⁷	208
	05/08/00	10.54		25.48	5,830 ¹¹	51.7	10.6	24.7	24.8	142
	08/08/00	10.92		25.10	5,010 ¹¹	50.6	ND ⁷	13.9	ND ⁷	113
	11/06/00	11.34		24.68	6,260 ¹¹	47.9	ND ⁷	12.5	ND ⁷	118
	02/07/01	10.75		25.27	4,800 ¹⁷	56	10	ND ⁷	ND ⁷	780
	05/09/01	9.84		26.18	6,810 ¹¹	52.4	ND ⁷	ND ⁷	ND ⁷	161
	08/24/01	11.16		24.86	5,600 ¹¹	56	<10	<10	<10	<100
	11/16/01	11.38		24.64	5,600 ¹¹	49	<10	<10	<10	190
	02/21/02	9.20		26.82	5,000 ¹¹	38	<5.0	8.5	<5.0	140
	05/10/02	9.87		26.15	5,300 ¹¹	57	6.3	8.2	<5.0	<50
	08/26/02 ²¹	11.02		25.00	7,000	<5.0	<5.0	5.4	<10	<20
	11/07/02 ²¹	11.32		24.70	3,500 ²²	<2.5	<2.5	<2.5	<5.0	<10
	02/14/03²¹	9.36		26.66	5,200²²	<5.0	<5.0	<5.0	<10	<20
MW-11	08/20/92	--	7.0-19.0	--	4,600 ¹	62	ND	ND	54	--
35.83	09/16/92	12.93		22.90	--	--	--	--	--	--
	10/12/92	13.30		22.53	--	--	--	--	--	--
	11/10/92	13.20		22.63	5,800	130	ND	260	42	--
	12/10/92	12.24		23.59	--	--	--	--	--	--
	01/15/93	9.23		26.60	--	--	--	--	--	--
	02/20/93	8.20		27.63	18,000	76	ND	1,000	630	--
	03/18/93	8.77		27.06	--	--	--	--	--	--
	04/20/93	8.86		26.97	--	--	--	--	--	--
	05/21/93	9.40		26.43	7,100	64	ND	340	120	--
	06/22/93	9.87		25.96	--	--	--	--	--	--

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WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-11	07/23/93	10.29	7.0-19.0	25.54	--	--	--	--	--	--
(cont)	08/23/93	10.73		25.10	5,400	68	ND	230	43	--
35.50	09/24/93	10.83		24.67	--	--	--	--	--	--
	11/23/93	11.28		24.22	3,400	105	ND	120	43	--
	02/24/94	9.20		26.30	4,600	170	ND	140	36	--
	05/25/94	9.94		25.56	1,400	49	ND	26	ND	--
	08/23/94	11.39		24.11	7,300	250	13	150	42	--
	11/23/94	10.67		24.83	5,800	250	10	120	22	--
	02/03/95	8.02		27.48	4,400	110	ND	150	37	--
	05/10/95	8.36		27.14	4,200	120	ND	170	38	--
	08/02/95	9.31		26.19	4,200	110	ND	110	22	--
	11/02/95	10.85		24.65	6,100	150	ND	78	6.8	6,200
	02/08/96	7.76		27.74	--	--	--	--	--	--
	02/14/96 ⁶	8.18		27.32	3,100	60	ND	98	ND	4,000
	05/08/96	8.50		27.00	3,500	120	ND	160	ND	6,400
	08/09/96	9.46		26.04	1,100	42	ND	15	ND	4,300
	11/07/96	10.58		24.92	2,900	57	ND	13	ND	3,400
	02/10-11/97	7.88		27.62	600	9.5	ND	ND	ND	3,100
	05/07/97	9.07		26.43	1,900	45	ND	31	ND	2,400
	08/05/97	10.23		25.27	2,100	35	ND	24	ND	1,800
	11/04/97	10.51		24.99	98	1.6	ND	ND	ND	ND
	02/12/98	6.59		28.91	670	12	ND ⁷	ND ⁷	ND ⁷	1,400
35.50	05/15/98	7.73		27.77	1,200 ⁹	7.9	ND ⁷	30	ND ⁷	1,600
	08/12/98	8.85		26.65	1,600 ¹¹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	2,000
	11/12/98	9.52		25.98	1,700 ¹³	9.3	ND ⁷	ND ⁷	ND ⁷	1,700
	03/01/99	8.00		27.50	530	4.9	ND ⁷	ND ⁷	ND ⁷	870
	05/12/99	8.64		26.86	900	6.6	ND ⁷	ND ⁷	ND ⁷	840
	08/11/99	9.92		25.58	1,660	5.52	ND ⁷	ND ⁷	ND ⁷	764
	11/04/99	10.88		24.62	2,600 ¹¹	8.71	ND ⁷	2.76	ND ⁷	1,490
	02/29/00	7.56		27.94	420 ¹⁹	ND	ND	ND	ND	1,010
	05/08/00	8.50		27.00	513 ¹¹	3.56	ND ⁷	1.11	ND ⁷	1,320
	08/08/00	9.39		26.11	960 ¹¹	10.0	1.28	ND ⁷	ND ⁷	1,600
	11/06/00	9.81		25.69	3,000 ¹¹	17.7	ND ⁷	ND ⁷	ND ⁷	1,280/1,360 ¹²

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WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-11	02/07/01	9.16	7.0-19.0	26.34	1,600 ¹⁷	ND ⁷	ND ⁷	ND ⁷	ND ⁷	590
(cont)	05/09/01	9.51		25.99	1,010 ¹¹	11.4	ND ⁷	1.24	ND ⁷	586
	08/29/01	10.78		24.72	3,100 ¹¹	23	<5.0	<5.0	<5.0	840/870 ¹²
	11/16/01	10.95		24.55	1,000 ¹¹	9.2	<2.0	<2.0	<2.0	600
	02/21/02	8.85		26.65	1,100 ¹¹	7.4	<2.5	<2.5	<2.5	270
	05/10/02	9.51		25.99	910 ¹¹	7.4	1.4	2.8	<12	330/270 ¹⁸
	08/26/02 ²¹	10.62		24.88	1,900	<0.50	<0.50	0.87	<1.0	170
	11/07/02 ²¹	10.77		24.73	550 ²²	<2.5	<2.5	<2.5	<5.0	330
	02/14/03²¹	8.97		26.53	2,600	1.8	0.51	1.7	<1.0	<2.0
MW-2 (SP)										
35.44	05/08/96	9.12	11.0-21.0	26.32	540	0.68	21	1.0	1.7	ND
	08/09/96	9.98		25.46	170	ND	7.8	ND	ND	ND
	11/07/96	10.98		24.46	430	8.9	1.5	ND	ND	10
	02/10-11/97	8.63		26.81	230 ²	4.6	1.0	ND	ND	10
	05/07/97	9.58		25.86	ND	ND	ND	ND	ND	14
	08/05/97	10.62		24.82	360	5.5	50	ND	ND	ND
	11/04/97	11.06		24.38	280	2.9	13	ND	0.54	ND
	02/12/98	7.71		27.73	440 ⁸	10	1.6	ND	0.69	13
	05/15/98	8.50		26.94	540 ⁸	10	1.1	ND	1.1	15
	08/12/98	9.43		26.01	ND	ND	ND	ND	ND	ND
	11/12/98	9.98		25.46	300 ¹⁴	6.1	ND ⁷	ND ⁷	4.0	ND ⁷
	03/01/99	8.70		26.74	57	ND	ND	ND	ND	4.5
	05/12/99	9.45		25.99	ND	ND	ND	ND	ND	5.0
	08/11/99	10.08		25.36	337	ND	ND	ND	ND	12.4
	11/04/99	10.91		24.53	317 ¹¹	8.31	ND	ND	ND	7.81
	02/29/00	8.04		27.40	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	9.10		26.34	131 ¹⁹	ND	ND	ND	ND	ND/4.83 ¹²
	08/08/00	9.91		25.53	--	--	--	--	--	--
	11/06/00	10.20		25.24	183 ¹⁹	ND	ND	ND	ND	ND
	02/07/01	9.70		25.74	--	--	--	--	--	--

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MW-2 (SP)	05/09/01	9.98	11.0-21.0	25.46	ND	ND	ND	ND	ND	ND
(cont)	08/24/01	11.15		24.29	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/16/01	11.31		24.13	250 ¹⁹	<0.50	<0.50	<0.50	<0.50	<5.0
	02/21/02	9.55		25.89	--	--	--	--	--	--
	05/10/02	10.01		25.43	180 ¹⁹	<0.50	<0.50	<0.50	0.71	10
	08/26/02	11.03		24.41	SAMPLED SEMI-ANNUALLY		--	--	--	--
	11/07/02 ²¹	11.12		24.32	<50	<0.50	<0.50	<0.50	<1.0	5.4
	02/14/03	9.60		25.84	SAMPLED SEMI-ANNUALLY		--	--	--	--
MW-3 (SP)										
35.81	05/08/96	8.73	11.0-21.0	27.08	4,700	7.9	36	13	4.0	42
	08/09/96	9.73		26.08	2,000	ND	14	7.6	ND	ND
	11/07/96	10.88		24.93	1,800	29	ND	ND	ND	40
	02/10-11/97	8.16		27.65	3,500	70	14	ND	ND	150
	05/07/97	9.35		26.46	3,100	48	ND	ND	ND	110
	08/05/97	10.44		25.37	3,200	43	5.7	ND	ND	61
	11/04/97	10.90		24.91	2,600	34	ND	ND	ND	53
	02/12/98	6.77		29.04	3,200	62	ND ⁷	ND ⁷	ND ⁷	100
35.82	05/15/98	8.02		27.80	ND	ND	ND	ND	ND	2.5
	08/12/98	9.11		26.71	110	ND	4.1	ND	ND ⁷	ND
	11/12/98	9.81		26.01	1,800 ¹⁵	37	2.8	ND ⁷	ND ⁷	55
	03/01/99	8.27		27.55	2,900 ⁸	12	3.6	ND ⁷	ND ⁷	110
	05/12/99	8.92		26.90	4,100 ¹⁶	34	ND ⁷	ND ⁷	ND ⁷	45
	08/11/99	9.59		26.23	3,220	22.8	ND ⁷	ND ⁷	ND ⁷	50.8
	11/04/99	10.86		24.96	2,460 ¹¹	26.6	ND ⁷	ND ⁷	ND ⁷	52.1
	02/29/00	7.92		27.90	SAMPLED SEMI-ANNUALLY		--	--	--	--
	05/08/00	9.07		26.75	1,080 ¹⁹	ND ⁷	ND ⁷	ND ⁷	ND ⁷	⁷ ND/ND ¹²
	08/08/00	9.86		25.96	--	--	--	--	--	--
	11/06/00	10.12		25.70	3,100 ¹¹	35.0	ND ⁷	ND ⁷	ND ⁷	95.7
	02/07/01	9.65		26.17	--	--	--	--	--	--
	05/09/01	9.79		26.03	3,350 ¹¹	34.0	ND ⁷	ND ⁷	ND ⁷	ND ⁷

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MW-3 (SP)	08/24/01	11.09	11.0-21.0	24.73	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
(cont)	11/16/01	11.29		24.53	3,300 ¹¹	47	<10	<10	<10	<100
	02/21/02	9.19		26.63	--	--	--	--	--	--
	05/10/02	9.84		25.98	4,700 ¹¹	55	<5.0	<5.0	<5.0	140
	08/26/02	10.95		24.87	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
	11/07/02 ²¹	11.33		24.49	2,600 ²²	<5.0	<5.0	<5.0	<10	<20
	02/14/03	9.92		25.90	SAMPLED SEMI-ANNUALLY	--	--	--	--	--
Trip Blank										
TB-LB	02/12/98	--	--	--	ND	ND	ND	ND	ND	ND
	05/15/98	--	--	--	ND	ND	ND	ND	ND	ND
	08/12/98	--	--	--	ND	ND	ND	ND	ND	ND
	11/12/98	--	--	--	ND	ND	0.68	ND	0.51	ND
	03/01/99	--	--	--	ND	ND	ND	ND	ND	ND
	05/12/99	--	--	--	ND	ND	ND	ND	ND	ND
	08/11/99	--	--	--	ND	ND	ND	ND	ND	ND
	11/04/99	--	--	--	ND	ND	ND	ND	ND	ND
	02/29/00	--	--	--	ND	ND	ND	ND	ND	ND
	05/08/00	--	--	--	ND	ND	ND	ND	ND	ND
	08/08/00	--	--	--	ND	ND	ND	ND	ND	ND
	11/06/00	--	--	--	ND	ND	ND	ND	ND	ND
	02/07/01	--	--	--	ND	ND	ND	ND	ND	ND
	05/09/01	--	--	--	ND	ND	ND	ND	ND	ND
	08/24/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	11/16/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	02/21/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	05/10/02	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0
	08/26/02 ²¹	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

WELL ID/ TOC* (ft.)	DATE	DTW (ft.)	S.L. (ft.bgs)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
QA	11/07/02 ²¹	--	--	--	<50	<0.50	0.58	<0.50	<1.0	<2.0
	02/14/03 ²¹	--	--	--	<50	<0.50	5.6 ²³	0.80 ²³	3.9 ²³	<2.0

Table 1
Groundwater Monitoring Data and Analytical Results
 Tosco (Unocal) Service Station #3292
 15008 East 14th Street
 San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 12, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	ND = Not Detected
(ft.) = Feet	B = Benzene	-- = Not Measured/Not Analyzed
DTW = Depth to Water	T = Toluene	(SP) = Shadral Property wells
S.I. = Screen Interval	E = Ethylbenzene	QA = Quality Assurance/Trip Blank
(ft.bgs) = Feet Below Ground Surface	X = Xylenes	
GWE = Groundwater Elevation	MTBE = Methyl tertiary butyl ether	
(msl) = Mean sea level	(ppb) = Parts per billion	

- * TOC elevations are relative to msl, per a Benchmark located at the northwest corner of East 14th Street and 150th Avenue, (Elevation = 36.88 feet, msl).
 TOC elevations for MW-2 (SP) and MW-3 (SP) are relative to msl, per Chevron monitoring well MW-6 used as a benchmark, (Elevation = 36.92 feet, msl).
 East 14th Street and 150th Avenue, (Benchmark Elevation = 36.883 feet, msl). Prior to September 24, 1993, DTW measurements were taken from the top of the well covers.
- ¹ Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- ² Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- ³ The analytical results of the groundwater were inconsistent with the previous analytical results for this well. The laboratory re-analyzed the sample past hold time; therefore the results may be biased low.
- ⁴ The monitoring well was re-sampled on November 20, 1995. The vial containing the water sample collected from this well on November 2, 1995, was inadvertently broken by the laboratory.
- ⁵ All EPA Method 8010 constituents were ND.
- ⁶ The monitoring wells MW-8 and MW-11 were re-sampled on February 14, 1996. The vials containing the water samples collected from the wells on February 8, 1996, were inadvertently broken by the laboratory.
- ⁷ Detection limit raised. Refer to analytical reports.
- ⁸ Laboratory report indicates gasoline and unidentified hydrocarbons <C7.
- ⁹ Laboratory report indicates gasoline and discrete peaks C6-C12.
- ¹⁰ Laboratory report indicates gasoline and unidentified hydrocarbons C6-C8.
- ¹¹ Laboratory report indicates weathered gasoline C6-C12.
- ¹² MTBE by EPA Method 8260.
- ¹³ Laboratory report indicates unidentified hydrocarbons >C8.
- ¹⁴ Laboratory report indicates unidentified hydrocarbons >C6.
- ¹⁵ Laboratory report indicates weathered gas and unidentified hydrocarbons >C6.
- ¹⁶ Laboratory report indicates gasoline and unidentified hydrocarbons <C6.
- ¹⁷ Laboratory report indicates gasoline C6-C12.

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #3292
15008 East 14th Street
San Leandro, California

EXPLANATIONS: (cont)

- ¹⁸ MTBE by EPA Method 8260 analyzed past EPA recommended holding time.
- ¹⁹ Laboratory report indicates unidentified hydrocarbons C6-C12.
- ²⁰ MTBE by EPA Method 8260 analyzed one day past the EPA recommended holding time; sample was inadvertently chosen for MTBE confirmation instead of MW-11.
- ²¹ TPH-G, BTEX and MTBE by EPA Method 8260.
- ²² Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- ²³ Laboratory report indicates BTEX compounds were found in the QA sample at levels significantly greater than the reporting limits. Because many of the samples themselves were clean for these compounds, it is not likely that this contamination was introduced during transportation.

KEI-P91-0102.R5
 July 14, 1992

TABLE 3
 SUMMARY OF LABORATORY ANALYSES
 SOIL

Date	Sample Number	Depth (feet)	TPH as Gasoline	Benzene	Toluene	Xylenes	Ethyl-benzene	
/23/91	MW1(5)	5.0	ND	ND	ND	0.0070	ND	
	MW1(10)	10.0	82	0.20	0.23	0.31	0.14	
	MW1(12)	12.0	420	1.2	1.3	0.72	0.78	
	MW2(5)	5.0	ND	ND	ND	0.022	0.0085	
	MW2(10)	10.0	2.2	0.089	ND	0.0064	ND	
	MW2(12)	12.0	12	ND	0.017	0.075	0.14	
	MW3(5)	5.0	ND	ND	ND	ND	ND	
	MW3(10)	10.0	1.4	0.015	0.0051	0.014	ND	
	MW3(13)	13.0	3.5	0.026	0.026	0.030	0.0088	
	MW4(5)	5.0	ND	ND	ND	ND	ND	
	MW4(10)	10.0	ND	ND	ND	0.0060	ND	
	MW4(13)	13.0	ND	ND	ND	0.012	0.0088	
5/05/92	MW5(5)	5.0	ND	ND	ND	ND	ND	
	MW5(10)	10.0	7.7	0.029	0.14	0.090	0.13	
	MW5(14.5)	14.5	620	6.8	4.4	75	18	
	MW6(5.5)	5.5	ND	ND	ND	ND	ND	
	MW6(10.5)	10.5	ND	ND	ND	ND	ND	
	MW7(9)	9.0	280	0.45	0.45	23	7.2	
MW7(12.5)	12.5	540	1.9	0.47	47	15		
5/06/92	MW8(5)	5.0	ND	ND	ND	ND	ND	
	MW8(10)	10.0	ND	ND	ND	ND	ND	
	MW8(11.5)	11.5	ND	ND	ND	ND	ND	
	MW8(13.5)	13.5	1.2	0.011	0.0054	0.014	ND	
	MW9(5)	5.0	ND	ND	0.0053	0.014	ND	
	MW9(10)	10.0	ND	ND	ND	0.0078	ND	
	MW9(12)	12.0	ND	ND	ND	0.0074	ND	
	Detection Limits			1.0	0.0050	0.0050	0.0050	0.0050

ND = Non-detectable.

Results in parts per million (ppm), unless otherwise indicated.

TABLE 1
 SUMMARY OF LABORATORY ANALYSES
 SOIL

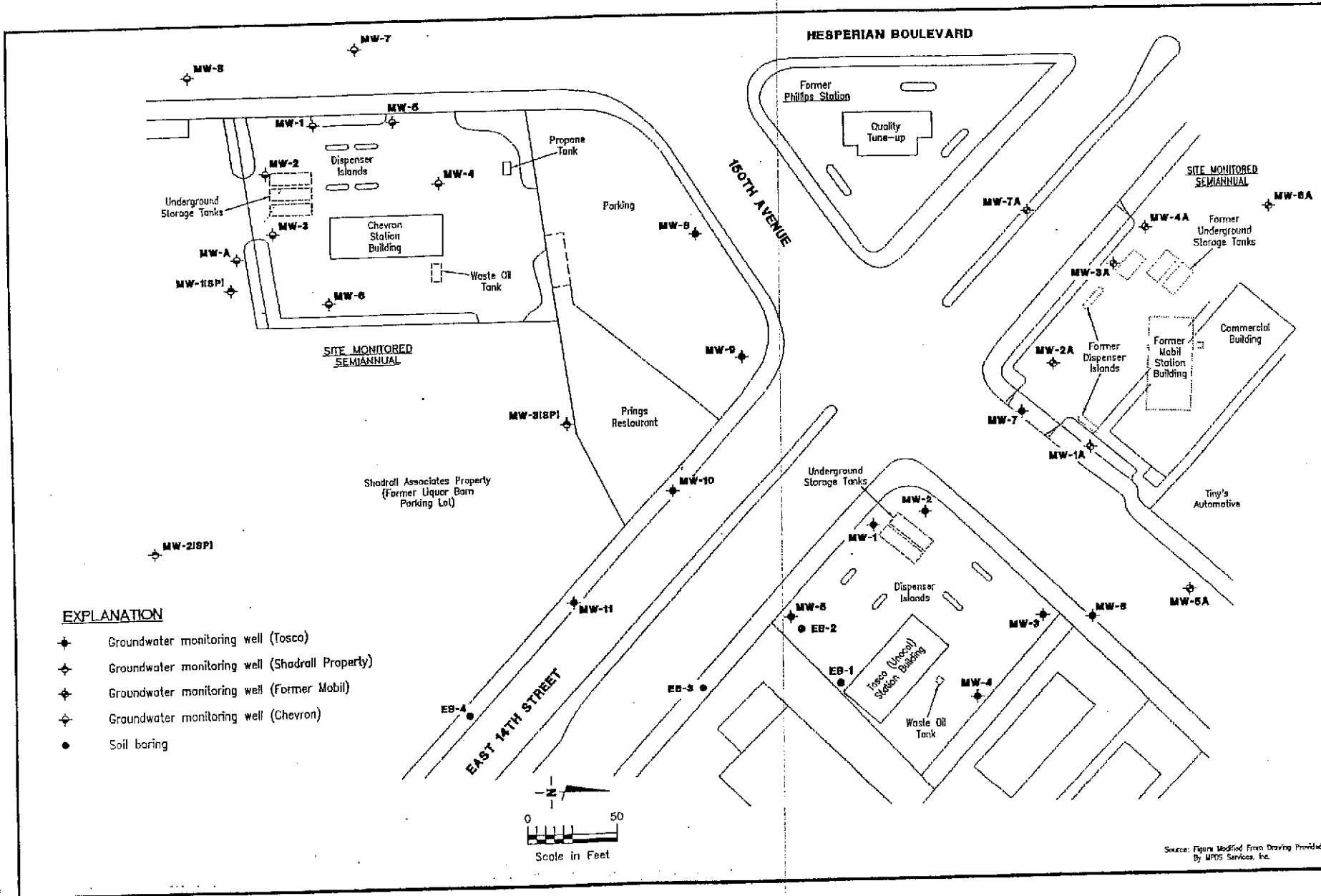
(Collected on January 16, and
 February 11 & 12, 1991)

<u>Sample</u>	<u>Depth (feet)</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethylbenzene</u>
A1	15.5	2,600	7.1	55	170	55
A2	16.0	290	1.3	1.1	1.2	1.5
B1	15.5	840	1.5	2.7	9.9	1.3
B2	15.0	150	1.6	3.3	11	2.0
P1	3.5	ND	0.0072	0.019	0.026	ND
P2	4.75	1.2	0.014	0.041	0.11	0.019
P3	3.75	ND	ND	ND	ND	ND
P4	3.75	ND	ND	ND	ND	ND
P5	3.5	ND	ND	ND	ND	ND
P6	5	ND	ND	ND	ND	ND
P7	5	7.1	0.89	0.23	0.70	0.57
P8	3.5	ND	ND	ND	ND	ND
P9	7.5	130	0.068	0.37	0.076	0.66
W01*	8.25	ND	ND	ND	ND	ND
Detection Limits		1.0	0.0050	0.0050	0.0050	0.0050

ND = Non-detectable.

* TOG, TPH as diesel and all EPA method 8010 constituents and metals were non-detectable except for zinc, which showed 31 ppm.

Results in parts per million (ppm), unless otherwise indicated.



EXPLANATION

- ◆ Groundwater monitoring well (Tosco)
- ◆ Groundwater monitoring well (Shodrall Property)
- ◆ Groundwater monitoring well (Former Mobil)
- ◆ Groundwater monitoring well (Chevron)
- Soil boring

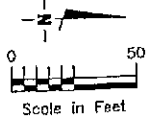


FIGURE **2**

Gottler - Ryan Inc.
 6741 Stamm Ct., Suite J (925) 951-7555
 Dublin, CA 94568

SITE PLAN
 Tosco 76 Branded Facility No. 3292
 15008 East 14th Street
 San Leandro, California

DATE: March, 1999
 REVISION DATE

REVIEWED BY
 JOB NUMBER 140071.02

Source: Figure Modified From Drawing Provided By MPDS Services, Inc.

Table 1. Analytical Results - Tosco 76 Branded Facility No. 3292, 15008 East 14th Street, San Leandro, California.

Sample ID	Depth (feet)	Date	TPHg	ppm					MTBE	Moisture %	Organic Content % ^{177m}	Density		Porosity %	
				B	T	E	X	Bulk gm/cc				Grain gm/cc			
Soil Samples															
EB1-5	5.0	05/07/98	--	--	--	--	--	--	18.2	8,400	1.54	2.56	39.8		
EB1-6.5	6.5	05/07/98	--	--	--	--	--	16.5	3,600	1.63	2.58	37.0			
EB1-7.5	7.5	05/07/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	19.3	350	1.70	2.57	34.1		
EB1-9.5	9.5	05/07/98	--	--	--	--	--	--	--	--	--	--	--		
EB2-7.5	7.5	05/07/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--		
EB3-7.0	7.0	05/07/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--		
EB4-5.5	5.5	05/07/98	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	--	--	--	--	--		
Grab Groundwater Samples															
EB-1	--	05/07/98	140	1.0	<0.50	<0.050	<0.050	3.4	--	--	--	--	--		
EB-2	--	05/07/98	11,000	<10	<10	370	35	260	--	--	--	--	--		
EB-3	--	05/07/98	570	<0.50	<0.50	13	3.2	7.9	--	--	--	--	--		
EB-4	--	05/07/98	2,000	23	<2.5	4.0	<2.5	300	--	--	--	--	--		

EXPLANATION:

TPHg = Total Petroleum Hydrocarbons as gasoline
 MTBE = Methyl t-Butyl Ether
 ppm = Parts per million
 gm/cc = grams per cubic centimeter
 -- = Not analyzed/not applicable

ANALYTICAL METHODS:

TPHg = EPA Method 8015Mod
 Benzene, toluene, ethylbenzene, xylenes, MTBE = EPA Method 8020
 Porosity = API RP-40
 Density = D-2937
 Moisture content = D-2216
 Organic Content = Walkley-Black

ANALYTICAL LABORATORY:

Sequoia Analytical (ELAP #1210)

GEOTECHNICAL LABORATORY:

PTS Laboratories

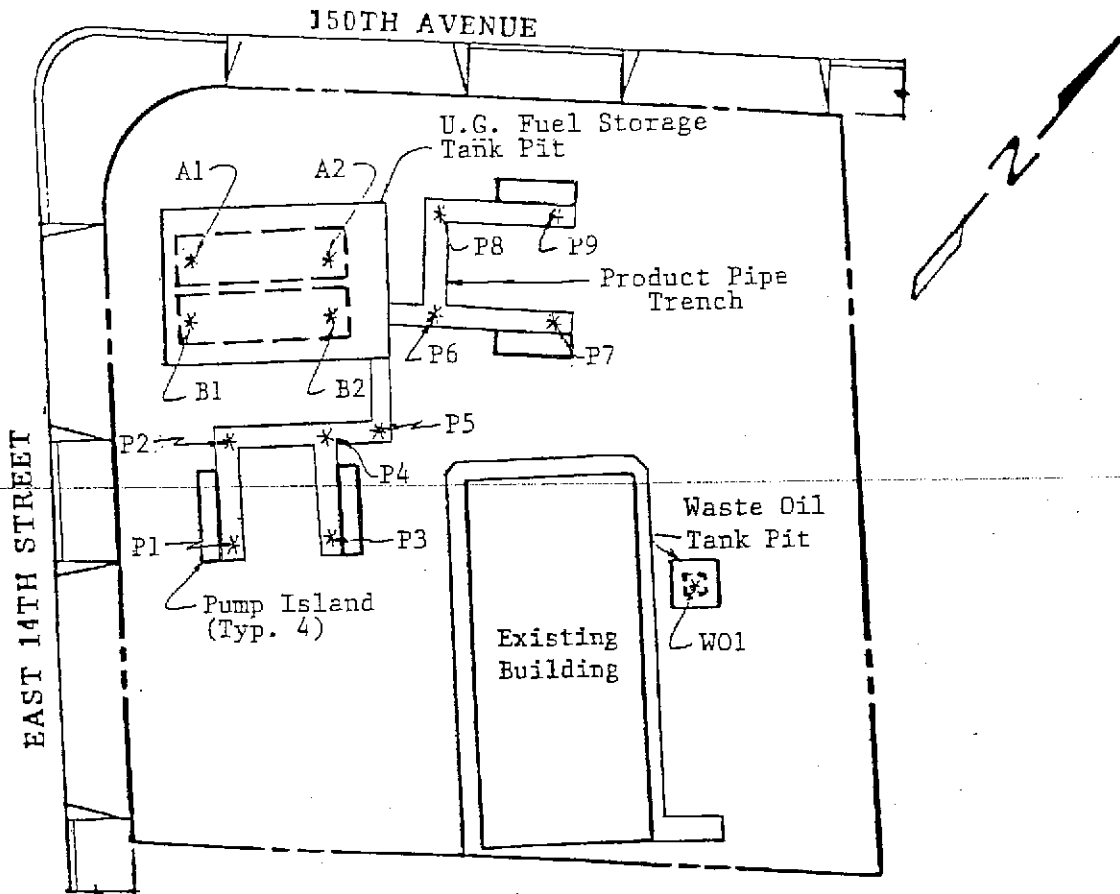


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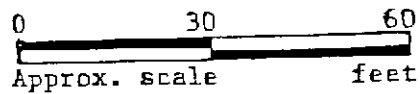


SITE PLAN

Figure 2

LEGEND

* Sample Point Location



Unocal S/S #3292
15008 E. 14th Street
San Leandro, CA