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the i group

Corporation
1921 Ringwood Avenue
San Jose, CA 95131-1721
Tel. 408.453.7300
Fax. 408.437.9526

A Member of The IT Group

January 18, 2002
Project 311-038.1A

01-23-02A10:00 RCVD

Mr. Chuck Headlee
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Re: 76 Service Station 5430
Quarterly Summary Report
Fourth Quarter 2001

Dear Mr. Headlee:

As directed by Mr. David DeWitt of Phillips 66 Company, formerly Tosco Marketing Company, IT Corporation (IT) is forwarding the quarterly summary report for the following location:

Service Station	Location
5430	1935 Washington Avenue, San Leandro

If you have questions or comments, please do not hesitate to contact our office at (408) 453-7300.

Sincerely,

IT Corporation

Timothy L. Ripp
Project Geologist

Enclosure

cc: Mr. David DeWitt, Phillips 66 Company
Mr. Tom Peacock, Alameda County Environmental Health Care Services

Quarterly Summary Report
Fourth Quarter 2001

76 Service Station 5430
1935 Washington Avenue at Castro Street
San Leandro, California

County STID #: 1747
County: Alameda

BACKGROUND

Unocal files suggest that a product line leak occurred in June 1976, and that one of the original underground gasoline storage tanks failed a precision test in October 1981. In December 1981, the two original steel gasoline storage tanks were replaced with two fiberglass gasoline storage tanks. There are currently six on-site groundwater monitoring wells and one off-site groundwater monitoring well in use at the site. In July 1997, three off-site exploratory borings were drilled on the property to the south of the 76 station. Based on the findings of that investigation, the lateral extent of hydrocarbon impact to groundwater is considered delineated. The product dispensers and associated underground product piping were replaced in July and August 1998. The underground waste oil storage tank was also removed and replaced with an aboveground waste oil storage tank.

RECENT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities were reported in November 2001. A case closure request was submitted to the Alameda County Environmental Health Care Services Agency.

NEXT QUARTER ACTIVITIES

Semi-annual groundwater monitoring and sampling activities will be performed in March 2002. Case closure will be pursued.

CHARACTERIZATION/REMEDIAL STATUS

Soil contamination delineated? Yes.
Dissolved groundwater delineated? Yes.
Free product delineated? Not applicable.
Amount of groundwater contaminant recovered this quarter? None.
Soil remediation in progress? Not applicable.
Anticipated start date? Not applicable.
Anticipated completion date? Not applicable.
Dissolved/free product remediation in progress? No.
Anticipated start? Unknown.
Anticipated completion? Unknown.

CONSULTANT: IT Corporation

RO 443

GETTLER-RYAN INC.

TRANSMITTAL

MAY 20 2002

May 1, 2002
G-R #180107

TO: Mr. David B. De Witt
Phillips 66 Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

CC: Mr. Tim Ripp
IT Corporation
1921 Ringwood Avenue
San Jose, California 95131

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	April 29, 2002	Groundwater Monitoring and Sampling Report First Semi-Annual - Event of March 18, 2002

COMMENTS:

This report is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by ***May 15, 2002***, this report will be distributed to the following:

cc: Mr. Scott Seery, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501
Mr. Michael Bakaldin, City of San Leandro Fire Dept., 835 East 14th Street, San Leandro, CA 94577

Enclosure

trans/5430-dbd

GETTLER-RYAN INC.

April 29, 2002
G-R Job #180107

Mr. David B. De Witt
Phillips 66 Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

MAY 20 2002

RE: First Semi-Annual Event of March 18, 2002
Groundwater Monitoring & Sampling Report
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

Dear Mr. De Witt:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in the wells. Static water level data and groundwater elevations are summarized in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets are also attached. The samples were analyzed by Sequoia Analytical. Analytical results are summarized in Tables 1 and 2. A Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

Sincerely,

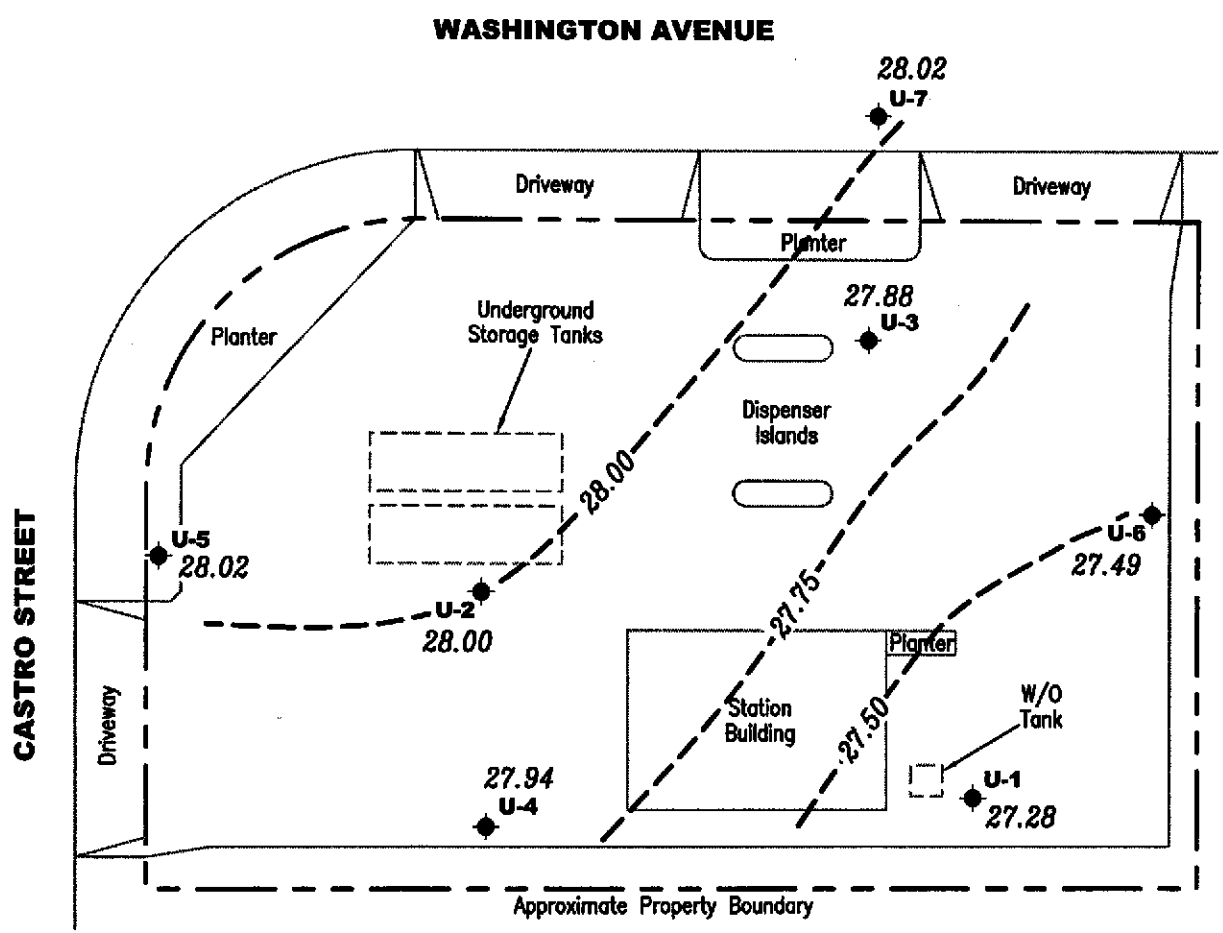
Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Figure 2: Concentration Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

5430.qml



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 — Groundwater elevation contour, dashed where inferred

Approximate groundwater flow direction at a gradient of 0.007 to 0.01 Ft./Ft.

N

0 30

Scale in Feet

Source: Figure modified from drawing provided by MPDS Services, Inc.

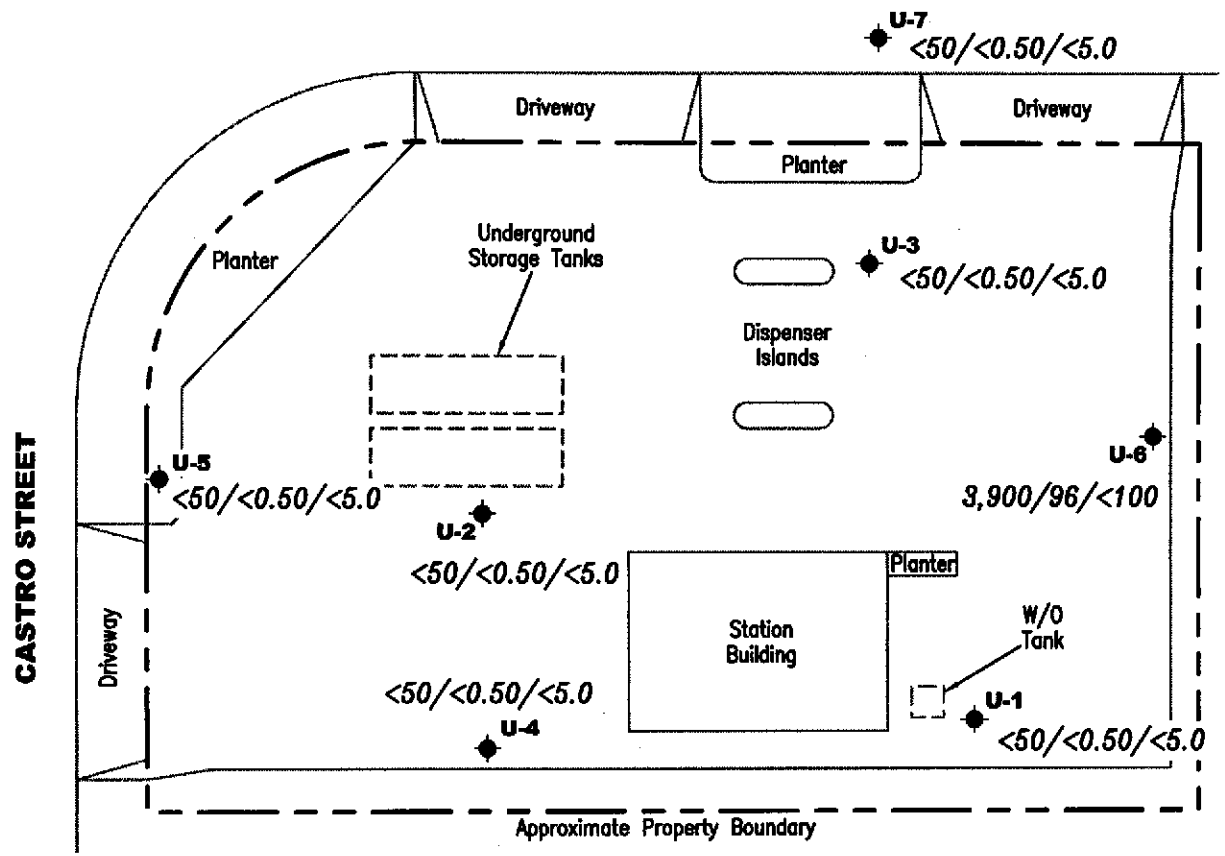
GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

FIGURE
1

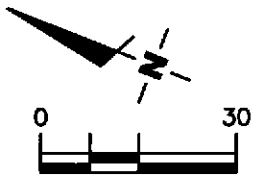
PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180107		March 18, 2002	

FILE NAME: P:\Enviro\TOSCO\5430\Q02-5430.dwg | Layout Tab: Pot1



EXPLANATION

- ✦ Groundwater monitoring well
- *A/B/C* Total Petroleum Hydrocarbons (TPH) as Gasoline/Benzene/ MTBE concentrations in ppb



Source: Figure modified from drawing provided by MPDS Services, Inc.

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

CONCENTRATION MAP
Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
180107		March 18, 2002	

FILE NAME: P:\Enviro\TOSCO\5430\Q02-5430.dwg | Layout Tab: Con1

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

WELL ID/ TOC*(ft)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-1													
56.58	08/13/93[1]	31.60	20.0-40.0	24.98	50[2]	310	0.84	ND	2.6	1.0	--	--	--
	09/07/93	31.60		24.98	--	--	--	--	--	--	--	--	--
56.10	12/16/93[1]	33.19		22.91	130[3]	ND	ND	ND	ND	ND	--	--	--
	01/13/94	33.06		23.04	--	--	--	--	--	--	--	--	--
	02/09/94	32.70		23.40	--	--	--	--	--	--	--	--	--
	03/25/94[1]	31.07		25.03	57[3]	58	0.63	0.79	ND	0.65	--	--	--
	05/18/94	31.76		24.34	--	--	--	--	--	--	--	--	--
	06/19/94[1]	32.26		23.84	61[3]	51	ND	1.4	ND	2.7	--	ND	7.4
	07/27/94	33.07		23.03	--	--	--	--	--	--	--	--	--
	08/18/94	33.50		22.60	--	--	--	--	--	--	--	--	--
	09/15/94[1]	33.93		22.17	83[3]	ND	0.50	0.85	ND	0.77	--	ND	9.5
	10/11/94	33.25		22.85	--	--	--	--	--	--	--	--	--
	11/08/94	34.05		22.05	--	--	--	--	--	--	--	--	--
	12/06/94[1]	32.37		23.73	ND	ND	ND	ND	ND	ND	--	ND	5.8
	01/10/95	31.29		24.81	--	--	--	--	--	--	--	--	--
56.09	03/14/95	27.86		28.23	71[3]	380	20	ND	ND	10	--	--	--
	06/20/95	28.20		27.89	170[3]	500	50	ND	ND	4.4	--	--	--
	09/18/95	30.65		25.44	72.00	57	1.2	0.75	0.57	2.2	--[6]	--	--
	12/14/95	32.20		23.89	ND	ND	0.72	1.4	1.2	3.6	--	ND	3.8
	03/06/96	26.53		29.56	ND	96	4.5	ND	ND	3.7	ND	--	--
	06/04/96	27.43		28.66	170[3]	410	48	ND	3.4	7.9	ND	--	--
	09/06/96	30.25		25.84	ND	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	26.03		30.06	--	ND	ND	ND	ND	ND	ND	ND	43
	09/04/97	31.56		24.53	--	ND	ND	ND	ND	ND	ND	ND	4.5
	03/09/98	20.63		35.46	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/01/98	27.82		28.27	--	ND	0.59	ND	ND	ND	3.1	ND	8.9
	03/02/99	26.83		29.26	--	ND	ND	ND	ND	ND	ND	ND	4.5
	09/07/99	28.03		28.06	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/00	25.50		30.59	--	ND	ND	ND	ND	ND	ND	ND	1.32
	09/11/00[16]	28.16		27.93	--	ND	ND	0.592	ND	ND	ND	ND[9]	ND[9]

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

WELL ID/ TOC* (ft)		DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-1		03/26/01[17]	27.02	20.0-40.0	29.07	--	ND	ND	ND	ND	ND	ND	ND	2.50
(cont)		09/04/01[19]	31.67		24.42	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	2.4
		03/18/02[21]	**28.81**		**27.28**	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50[18]**	**4.4[18]**
U-2														
55.77		08/13/93	30.87	20.0-40.0	24.90	--	1,400	ND	ND	ND	ND	--	--	--
		09/07/93	30.87		24.90	--	--	--	--	--	--	--	--	--
55.27		12/16/93	32.19		23.08	--	330	1.7	ND	11	8.5	--	--	--
		01/13/94	32.13		23.14	--	--	--	--	--	--	--	--	--
		02/09/94	33.50		21.77	--	--	--	--	--	--	--	--	--
		03/25/94	30.09		25.18	--	130	0.70	0.78	0.65	0.64	--	ND	11
	(D)	03/25/94	--		--	--	--	--	--	--	--	--	ND	ND
		05/18/94	30.73		24.54	--	--	--	--	--	--	--	--	--
		06/19/94	31.31		23.96	--	180[4]	ND	ND	ND	0.86	--	ND	0.54
		07/27/94	32.12		23.15	--	--	--	--	--	--	--	--	--
		08/18/94	32.50		22.77	--	--	--	--	--	--	--	--	--
		09/15/94	33.00		22.27	--	1,000[5]	44	ND	ND	ND	--	ND	0.66
		10/11/94	32.35		22.92	--	--	--	--	--	--	--	--	--
		11/08/94	33.09		22.18	--	--	--	--	--	--	--	--	--
		12/06/94	31.44		23.83	--	250	19	ND	ND	ND	--	ND	ND
		01/10/95	30.25		25.02	--	--	--	--	--	--	--	--	--
55.29		03/14/95	26.36		28.93	--	89	ND	ND	ND	1.2	--	--	--
		06/20/95	26.74		28.55	--	ND	ND	0.58	ND	1.7	--	--	--
		09/18/95	29.65		25.64	--	ND	ND	ND	ND	0.85	--[6]	--	--
		12/14/95	31.10		24.19	--	ND	ND	0.89	ND	2.0	--[7]	ND	ND
		03/06/96	25.17		30.12	--	ND	ND	ND	ND	ND	80	--	--
		06/04/96	26.03		29.26	--	ND	ND	ND	ND	ND	110	--	--
		09/06/96	29.18		26.11	--	ND	ND	ND	ND	ND	ND	--	--
		03/08/97	24.64		30.65	--	ND	ND	ND	ND	ND	42	--	--
		09/04/97	30.59		24.70	--	ND	ND	ND	ND	ND	46	--	--
		03/09/98	19.22		36.07	--	ND	ND	ND	ND	ND	4.4	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

WELL ID/ TOC*(ft)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-2	09/01/98	26.40	20.0-40.0	28.89	--	ND	ND	ND	ND	ND	25	--	--
(cont)	03/02/99	25.48		29.81	--	ND	ND	ND	ND	ND	16	--	--
	09/07/99	26.51		28.78	--	ND	ND	ND	ND	ND	20	--	--
	03/09/00	23.95		31.34	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	26.75		28.54	--	ND	ND	0.635	ND	ND	ND	--	--
	03/26/01	25.64		29.65	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/01	30.47		24.82	--	<50	<0.50	0.69	<0.50	<0.50	<5.0	--	--
	03/18/02	**27.29**		**28.00**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**--**	**--**
U-3													
55.66	08/13/93	30.70	20.0-40.0	24.96	--	23,000	1,000	ND	1,700	1,600	--	--	--
	09/07/93	30.70		24.96	--	--	--	--	--	--	--	--	--
55.24	12/16/93	32.08		23.16	--	15,000	570	ND	940	670	--	--	--
	01/13/94	31.98		23.26	--	--	--	--	--	--	--	--	--
	02/09/94	33.82		21.42	--	--	--	--	--	--	--	--	--
	03/25/94	30.03		25.21	--	18,000	560	40	1,000	770	--	ND	480
	05/18/94	30.66		24.58	--	--	--	--	--	--	--	--	--
	06/19/94	31.19		24.05	--	17,000	580	ND	1,300	90	--	ND	410
	07/27/94	31.98		23.26	--	--	--	--	--	--	--	--	--
	08/18/94	32.39		22.85	--	--	--	--	--	--	--	--	--
	09/15/94	32.84		22.40	--	12,000	370	ND	970	610	--	ND	420
	10/11/94	32.20		23.04	--	--	--	--	--	--	--	--	--
	11/08/94	33.01		22.23	--	--	--	--	--	--	--	--	--
	12/06/94	31.34		23.90	--	17,000	390	ND	990	560	--	ND	430
	01/10/95	30.23		25.01	--	--	--	--	--	--	--	--	--
55.23	03/14/95	25.44		29.79	--	13,000	860	120	1,300	1,700	--	--	--
	06/20/95	26.70		28.53	--	9,800	590	ND	800	1,000	--	--	--
	09/18/95	29.55		25.68	--	9,800	600	ND	1,000	760	--[6]	--	--
	12/14/95	31.02		24.21	--	10,000	520	ND	920	630	--[7]	ND	240
	03/06/96	25.25		29.98	--	19,000	1,400	ND	1,800	3,000	73	--	--
	06/04/96	26.00		29.23	--	8,800	510	ND	600	830	ND	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

WELL ID/ TOC*(ft)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-3	09/06/96	29.06	20.0-40.0	26.17	--	15,000	360	20	540	450	ND	--	--
(cont)	03/08/97	24.65		30.58	--	3,500	310	ND	230	630	ND	ND	100
	09/04/97	30.44		24.79	--	700	27	ND	48	34	ND	ND	160
	03/09/98	19.20		36.03	--	410	22	1.2	ND[9]	6.1	24	ND	4.4
	09/01/98	26.33		28.90	--	ND	ND	ND	ND	ND	6.1	ND	ND
	03/02/99	25.50		29.73	--	2,100	110	2.6	ND[9]	240	39	ND	6.7
	09/07/99[13]	27.63		27.60	--	2,400[12]	67	ND[9]	150	150	ND[9]	ND	1.1
	03/09/00	24.05		31.18	--	3,250[12]	143	ND[9]	59.0	326	ND[9]	ND[9]	ND[9]
	09/11/00[17]	27.83		27.40	--	ND	ND	ND	ND	ND	ND	ND	1.17
	03/26/01[17]	25.75		29.48	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/04/01[19]	30.41		24.82	--	5,400[15]	110	<10	800	220	<100	<5.0	<5.0
	03/18/02[21]	**27.35**		**27.88**	**--**	**<50**	**<0.50**	**<0.50**	**0.55**	**1.2**	**<5.0**	**<0.50[18]**	**<0.50[18]**
U-4													
55.39	03/14/95	26.52	25.0-40.0	28.87	--	490	3.2	2.1	0.79	1.2	--	ND	ND
	06/20/95	26.90		28.49	--	ND	ND	ND	ND	1.5	--	--	--
	09/18/95	29.79		25.60	--	ND	ND	ND	ND	ND	--[6]	--	--
	12/14/95	31.23		24.16	--	ND	ND	0.59	ND	0.79	--[7]	ND	ND
	03/06/96	25.30		30.09	--	ND	ND	ND	ND	0.62	50	--	--
	06/04/96	26.19		29.20	--	ND	ND	ND	ND	ND	290	--	--
	09/06/96	29.32		26.07	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.79		30.60	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/97	30.71		24.68	--	ND	ND	ND	ND	ND	18	--	--
	03/09/98	19.37		36.02	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/98	26.56		28.83	--	ND	ND	ND	ND	ND	ND	--	--
	03/02/99	25.62		29.77	--	110	0.89	0.53	ND	0.79	4.9	--	--
	09/07/99	26.82		28.57	--	ND	ND	ND	ND	ND	3.0	--	--
	03/09/00	24.07		31.32	--	ND	ND	0.615	ND	1.05	ND	--	--
	09/11/00	26.48		28.91	--	ND	ND	0.686	ND	ND	ND	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

WELL ID/ TOC*(ft)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-4	03/26/01	25.69		29.70	--	ND	ND	ND	ND	ND	ND	--	--
(cont)	09/04/01	30.60		24.79	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	03/18/02	**27.45**		**27.94**	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	--	--
U-5													
54.18	03/14/95	25.20	25.0-40.0	28.98	--	ND	ND	ND	ND	1.2	--	ND	ND
	06/20/95	25.60		28.58	--	ND	ND	ND	ND	1.6	--	--	--
	09/18/95	28.55		25.63	--	ND	ND	ND	ND	0.66	--	--	--
	12/14/95	29.94		24.24	--	ND	ND	ND	ND	ND	--	ND	ND
	03/06/96	24.03		30.15	--	ND	ND	ND	ND	ND	ND	--	--
	06/04/96	24.91		29.27	--	ND	ND	ND	ND	ND	ND	--	--
	09/06/96	28.06		26.12	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	23.49		30.69	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/97	29.46		24.72	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/98	18.10		36.08	--	ND	ND	ND	ND	ND	ND	--	--
	09/01/98	25.27		28.91	--	ND	ND	ND	ND	ND	ND	--	--
	03/02/99	24.35		29.83	--	ND	ND	ND	ND	ND	ND	--	--
	09/07/99	26.39		27.79	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/00	22.81		31.37	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	25.36		28.82	--	ND	ND	0.640	ND	ND	ND	--	--
	03/26/01	24.55		29.63	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/01	29.34		24.84	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	03/18/02	**26.16**		**28.02**	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	--	--
U-6													
55.36	03/14/95	26.94	25.0-40.0	28.42	--	14,000	170	36	790	1,500	--	ND	210
	06/20/95	27.15		28.21	--	8,500	170	11	950	1,300	--	--	--
	09/18/95	29.95		25.41	--	9,500	260	ND	1,400	1,800	--[6]	--	--
	12/14/95	31.32		24.04	--	15,000	240	ND	1,400	1,700	--[7]	ND	370
	03/06/96	25.71		29.65	--	2,400	54	ND	170	250	ND	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

WELL ID/ TOC*(ft)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-6	06/04/96	26.52	25.0-40.0	28.84	--	4,600	83	ND	400	520	46	--	--
(cont)	09/06/96	29.41		25.95	--	12,000	180	6.4	690	600	95	--	--
	03/08/97	25.25		30.11	--	2,000	180	ND	96	290	ND	--	--
	09/04/97	30.75		24.61	--	680	17	ND	52	39	ND	--	--
	03/09/98	19.84		35.52	--	690	41	8.5	3.2	140	16	--	--
	09/01/98	INACCESSIBLE (PAVED OVER)			--	--	--	--	--	--	--	--	--
	03/02/99	25.95		29.41	--	3,900	240	ND[9]	650	430	45	--	--
	09/07/99	28.19		27.17	--	320[12]	14	ND[9]	5.2	ND[9]	10	--	--
	03/09/00	24.64		30.72	--	4,980[12]	193	ND[9]	520	365	ND[9]	--	--
	09/11/00	28.35		27.01	--	538[15]	22.8	ND	13.8	3.11	ND	--	--
	10/13/00	29.67		25.69	--	--	--	--	--	--	--/ND[18]	--	--
	03/26/01	26.88		28.48	--	16,400[12]	412	ND[9]	2,010	1,010	ND[9]	--	--
	09/04/01	30.81		24.55	--	8,000[15]	200	<25	1,100	250	<250	--	--
	03/18/02	**27.87**		**27.49**	**--**	**3,900[15]**	**96**	**<10**	**590**	**210**	**<100**	**--**	**--**
U-7													
55.05	03/14/95	26.13	25.0-40.0	28.92	--	ND	ND	ND	ND	ND	--	ND	ND
	06/20/95	26.38		28.67	--	ND	ND	ND	ND	ND	--	--	--
	09/18/95	29.21		25.84	--	ND	ND	ND	ND	ND	--	--	--
	12/14/95	30.75		24.30	--	ND	ND	ND	ND	0.88	--	ND	ND
	03/06/96	25.10		29.95	--	ND	ND	ND	ND	ND	ND	--	--
	06/04/96	25.67		29.38	--	ND	ND	ND	ND	ND	ND	--	--
	09/06/96	28.75		26.30	--	ND	ND	ND	ND	ND	ND	--	--
	03/08/97	24.33		30.72	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/04/97[8]	30.16		24.89	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/98	18.91		36.14	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/01/98[10]	26.04		29.01	--	88	ND	ND	ND	ND	2.9	ND	ND
	03/02/99[11]	25.30		29.75	--	ND	ND	ND	ND	ND	ND	ND	ND
	09/07/99	27.27		27.78	--	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/00[14]	23.76		31.29	--	ND	ND	ND	ND	1.09	ND	ND	ND
	09/11/00[17]	27.19		27.86	--	ND	ND	ND	ND	ND	ND	ND	ND

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

WELL ID/ TOC* (ft)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB (ppb)	1,2-DCA (ppb)
U-7	03/26/01[17]	25.61		29.44	--	ND	ND	ND	ND	ND	ND	ND	ND
(cont)	09/04/01[20]	30.10		24.95	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50
	03/18/02[22]	**27.03**		**28.02**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50[18]**	**<0.50[18]**
Trip Blank													
TB-LB	03/09/98	--	--	--	--	ND	ND	0.53	ND	ND	ND	--	--
	09/01/98	--		--	--	ND	ND	ND	ND	ND	5.0	--	--
	03/02/99	--		--	--	ND	ND	ND	ND	ND	ND	--	--
	09/07/99	--		--	--	ND	ND	ND	ND	ND	ND	--	--
	03/09/00	--		--	--	ND	ND	ND	ND	ND	ND	--	--
	09/11/00	--		--	--	ND	ND	ND	ND	ND	ND	--	--
	10/13/00	--		--	--	ND	ND	ND	ND	ND	ND	--	--
	03/26/01	--		--	--	ND	ND	ND	ND	ND	ND	--	--
	09/04/01	--		--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	03/18/02	**--**		**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 9, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
S.I. = Screen Interval
(ft.bgs) = Feet Below Ground Surface
GWE = Groundwater Elevation
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
1,2-DCB = 1,2-Dichlorobenzene
1,2-DCA = 1,2-Dichloroethane
(ppb) = Parts per billion
ND = Not Detected
-- = Not Measured/Not Analyzed
(D) = Duplicate

* TOC elevations were surveyed March 1995, based on Benchmark provided by City of San Leandro, City Engineers Office, Datum 1929, USGS adjusted. Prior to December 16, 1993, the DTW measurements were taken from the top of well covers.

1 Total Oil and Grease (TOG) was ND.

2 Not a typical diesel pattern; lower boiling hydrocarbons in the boiling range of stoddard calculated as diesel.

3 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.

4 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

5 Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.

6 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.

7 Laboratory has identified the presence of MTBE at a level above or equal to the taste and odor threshold of 40 ppb in the sample collected from this well.

8 Carbon tetrachloride was detected at a concentration of 1.3 ppb.

9 Detection limit raised. Refer to analytical reports.

10 Carbon tetrachloride was detected at a concentration of 2.0 ppb, and Chloroform was detected at a concentration of 0.60 ppb.

11 Carbon tetrachloride was detected at a concentration of 1.2 ppb.

12 Laboratory report indicates gasoline C6-C12.

13 Bromodichloromethane was detected at 1.4 ppb and Chloroform was detected at 31 ppb. All EPA Method 8010 reanalyzed by an alternate column or method to confirm the identification and/or concentration of these results.

14 Laboratory report indicates Carbon tetrachloride was detected at 0.801 ppb.

15 Laboratory report indicates weathered gasoline C6-C12.

16 All other Volatile Organic Compounds (VOCs) by EPA Method 8010 were ND with a raised detection limit, except for Bromadichloromethane was detected at 3.58 ppb and Chloroform was detected at 75.2 ppb.

17 All other VOCs by EPA Method 8010 were ND.

18 Analysis by EPA Method 8260.

19 All other VOCs by EPA Method 8021 were less than the reporting limit.

20 All other VOCs by EPA Method 8021 were less than the reporting limit, except for Carbon tetrachloride was detected at 0.60 ppb.

21 All other VOCs by EPA Method 8260 were less than the reporting limit.

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5430

1935 Washington Avenue

San Leandro, California

EXPLANATIONS: (cont)

[22] All other VOCs by EPA Method 8260 were less than the reporting limit, except for Carbon Tetrachloride was detected at 0.65 ppb and Chloroform at 1.5 ppb.

Note: All EPA Method 8010/8021/8260 constituents were ND, except as indicated above.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5430
1935 Washington Avenue
San Leandro, California

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
U-6	10/13/00	ND	ND	ND	ND	ND	ND	ND

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene Dibromide/1,2-Dibromoethane
(ppb) = Parts per billion
ND = Not Detected

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Phillips 66 Company, the purge water and decontamination water generated during sampling activities is transported to Phillips 66 - San Francisco Refinery, located in Rodeo, California.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #5430 Job#: 180107.85

Address: 1935 Washington Ave. Date: 3/18/02

City: San Leandro, CA Sampler: Matthew

Well ID U-1 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 39.65 ft.

Depth to Water 28.81 ft.

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

10.84 X VF 0.17 = 1.84 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other:

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 1140 Weather Conditions: clear

Sampling Time: 1200 Water Color: brn. Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: silt

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1142	2	7.70	927	69.2			
1144	4	7.55	940	68.9			
1146	5.5	7.50	944	68.7			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-1	5 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe + 8010

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #5430 Job#: 180107.85

Address: 1935 Washington Ave. Date: 3/18/02

City: San Leandro, CA Sampler: Vartkes

Well ID U-2 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 39.35 ft.

Depth to Water 27.29 ft.

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

12.06 X VF 0.17 = 2.05 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other: _____

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 1020 Weather Conditions: clear

Sampling Time: 1040 Water Color: clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: _____

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1022	2	7.74	653	67.3			
1024	4	760	642	67.8			
1027	6.5	756	639	67.8			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-2	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #5430 Job#: 180107.85

Address: 1935 Washington Ave. Date: 3/18/02

City: San Leandro, CA Sampler: Vartkes

Well ID U-3 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 38.55 ft.

Depth to Water 27.35 ft.

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

11.20 X VF 0.17 = 1.90 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other: _____

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 1215 Weather Conditions: clear

Sampling Time: 1230 Water Color: clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: _____

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1217	2	7.50	1080	69.7			
1219	4	7.40	1087	69.3			
1221	6	7.34	1091	69.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-3	5 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe + 8010

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco #5430 Job#: 180107.85

Address: 1935 Washington Ave. Date: 3/18/02

City: San Leandro, CA Sampler: Matthew

Well ID U-4 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 5 (Gallons)

Total Depth 38.90 ft.

Depth to Water 27.45 ft.

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

11.45 X VF 0.17 = 1.94 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

	Purge Equipment:	Sampling Equipment:
	Disposable Bailer	Disposable Bailer
	Bailer	Bailer
	(Stack)	Pressure Bailer
	Suction	Grab Sample
	Grundfos	Other:
	Other:	

Starting Time: 0950 Weather Conditions: Clear

Sampling Time: 1005 Water Color: Clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description:

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
0952	2	7.69	717	67.5			
0954	4	7.53	708	67.8			
0956	6	7.50	702	68.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-4	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #5430 Job#: 180107.85

Address: 1935 Washington Ave. Date: 3/18/02

City: San Leandro, CA Sampler: Vartbs

Well ID U-5 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 38.35 ft.

Depth to Water 26.16 ft.

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

12.19 X VF 0.17 = 2.07 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; (Stack); Suction; Grundfos; Other: _____

Sampling Equipment: (Disposable Bailer); Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 0920 Weather Conditions: clear

Sampling Time: 0925 Water Color: clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
0922	2	7.73	602	67.2			
0924	4	7.60	590	67.6			
0926	6.5	7.58	584	67.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-5	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Tosco #5430 Job#: 180107.85

Address: 1935 Washington Ave. Date: 3/18/02

City: San Leandro, CA Sampler: Vanthen

Well ID U-6 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 4 (Gallons)

Total Depth 40.00 ft.

Depth to Water 27.87 ft.

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

12.13 X VF 0.17 = 2.06 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

Purge Equipment: Disposable Bailer, Bailer, (Stack), Suction, Grundfos, Other:

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

Starting Time: 1245 Weather Conditions: clear

Sampling Time: 1300 Water Color: gray DK Odor: Y

Purging Flow Rate: 1 gpm. Sediment Description: —

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1247	2	7.48	1097	69.6			
1249	4	7.32	1108	69.2			
1252	6.5	7.28	1110	69.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-6	3 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # Tosco #5430 Job#: 180107.85

Address: 1935 Washington Ave. Date: 3/18/02

City: San Leandro, CA Sampler: Vartkes

Well ID U-7 Well Condition: OK

Well Diameter 2 in. Hydrocarbon Thickness: 0.00 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 37.75 ft.

Depth to Water 27.03 ft.

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

10.72 X VF 0.17 = 1.82 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- Stack
- Suction
- Grundfos
- Other: _____

Sampling Equipment:
- (Disposable Bailer)
- Bailer
- Pressure Bailer
- Grab Sample
- Other: _____

Starting Time: 1103 Weather Conditions: clear

Sampling Time: 1125 Water Color: clear Odor: no

Purging Flow Rate: 1 gpm. Sediment Description: _____

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

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1105	2	7.80	644	68.1			
1107	4	7.68	633	68.4			
1109	5.5	7.62	630	68.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
U-7	5 X VOA VIAL	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe + 8010

COMMENTS: _____

9/97-fieldat.frm

GLOBAL ID# T0600101765

Chain-of-Custody-Record

TOSCO

Tosco Marketing Company
2003 Oak Canyon Pl., Ste. 100
San Ramon, California 94583

Facility Number: Tosco #5430
Facility Address: 1935 Washington Ave., San Leandro, CA
Consultant Project Number: 180107.85
Consultant Name: Gettler-Ryan Inc. (G-R Inc.)
Address: 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568
Project Contact (Name): Deanna L. Harding
(Phone) (925) 551-7555 (Fax Number) 925-551-7899

Contact (Name): MR. Dave DeWitt
(Phone): 925-277-2384
Laboratory Name: Sequoia Analytical
Laboratory Release Number:
Samples Collected by (Name): Vartkes Tashjian
Collection Date: 3/18/02
Signature:

C203084

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX + MTBE (8015/8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (TCLP or AA)					DO NOT BILL TB-LB ANALYSIS / Remarks
TB-LB	01	1	W	G		HCL	Y	X												
U-1	02	5	"	"	1200	"	"	X			X									
U-2	03	3	"	"	1040	"	"	X												
U-3	04	5	"	"	1230	"	"	X			X									
U-4	05	3	"	"	1005	"	"	X												
U-5	06	3	"	"	0935	"	"	X												
U-6	07	3	"	"	1300	"	"	X												
U-7	08	5	"	"	1125	"	"	X			X									

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	3/18/02 1845		Sequoia	3/18/2 1845
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

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

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2 April, 2002

Deanna Harding
Gettler-Ryan/Geostrategies(1)
6747 Sierra Court, Suite J
Dublin, CA 94568

RE: Tosco(1)
Sequoia Report: L203084

Enclosed are the results of analyses for samples received by the laboratory on 03/18/02 18:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

WStevenson

Wayne Stevenson
Project Manager

CA ELAP Certificate #2360

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	L203084-01	Water	03/18/02 00:00	03/18/02 18:45
U-1	L203084-02	Water	03/18/02 12:00	03/18/02 18:45
U-2	L203084-03	Water	03/18/02 10:40	03/18/02 18:45
U-3	L203084-04	Water	03/18/02 12:30	03/18/02 18:45
U-4	L203084-05	Water	03/18/02 10:05	03/18/02 18:45
U-5	L203084-06	Water	03/18/02 09:35	03/18/02 18:45
U-6	L203084-07	Water	03/18/02 13:00	03/18/02 18:45
U-7	L203084-08	Water	03/18/02 11:25	03/18/02 18:45

Sequoia Analytical - San Carlos

WStevenson

Wayne Stevenson, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (L203084-01) Water Sampled: 03/18/02 00:00 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030073	03/26/02	03/27/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.6 %*	*70-130*		"	"	"	"	
U-1 (L203084-02) Water Sampled: 03/18/02 12:00 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030073	03/26/02	03/27/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.8 %*	*70-130*		"	"	"	"	
U-2 (L203084-03) Water Sampled: 03/18/02 10:40 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030073	03/26/02	03/27/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*70-130*		"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-3 (L203084-04) Water Sampled: 03/18/02 12:30 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030077	03/27/02	03/27/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.55**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.2**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-130*		"	"	"	"	
U-4 (L203084-05) Water Sampled: 03/18/02 10:05 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030073	03/26/02	03/27/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.9 %*	*70-130*		"	"	"	"	
U-5 (L203084-06) Water Sampled: 03/18/02 09:35 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030077	03/27/02	03/27/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*70-130*		"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-6 (L203084-07) Water Sampled: 03/18/02 13:00 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	**3900**	1000	ug/l	20	2030076	03/27/02	03/27/02	EPA 8021B	P-02
Benzene	**96**	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	**590**	10	"	"	"	"	"	"	
Xylenes (total)	**210**	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.4 %*	*70-130*		"	"	"	"	
U-7 (L203084-08) Water Sampled: 03/18/02 11:25 Received: 03/18/02 18:45									
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l	1	2030077	03/27/02	03/27/02	EPA 8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*70-130*		"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-1 (L203084-02) Water Sampled: 03/18/02 12:00 Received: 03/18/02 18:45									**A-04**
Bromodichloromethane	ND	0.50	ug/l	1	2030070	03/27/02	03/27/02	EPA 8260B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	**4.4**	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*63-118*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*73-125*		"	"	"	"	
Surrogate: 4-BFB		*100 %*	*68-118*		"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-3 (L203084-04) Water Sampled: 03/18/02 12:30 Received: 03/18/02 18:45									**A-04**
Bromodichloromethane	ND	0.50	ug/l	1	2030070	03/27/02	03/27/02	EPA 8260B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*63-118*		"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*	*73-125*		"	"	"	"	
Surrogate: 4-BFB		*101 %*	*68-118*		"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
U-7 (L203084-08) Water Sampled: 03/18/02 11:25 Received: 03/18/02 18:45									**A-04**
Bromodichloromethane	ND	0.50	ug/l	1	2030070	03/27/02	03/27/02	EPA 8260B	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	**0.65**	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Chloroform	**1.5**	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Freon 113	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*63-118*		"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*	*73-125*		"	"	"	"	
Surrogate: 4-BFB		*99.6 %*	*68-118*		"	"	"	"	

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030073 - EPA 5030B (P/T)										
Blank (2030073-BLK1)				Prepared & Analyzed: 03/26/02						
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
Surrogate: a,a,a-Trifluorotoluene	*10.6*		"	*10.0*		*106*	*70-130*			
LCS (2030073-BS1)				Prepared & Analyzed: 03/26/02						
Benzene	11.5	0.50	ug/l	10.0		115	70-130			
Toluene	10.3	0.50	"	10.0		103	70-130			
Ethylbenzene	9.98	0.50	"	10.0		99.8	70-130			
Xylenes (total)	29.4	0.50	"	30.0		98.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.6*		"	*10.0*		*106*	*70-130*			
LCS (2030073-BS2)				Prepared & Analyzed: 03/26/02						
Purgeable Hydrocarbons as Gasoline	255	50	ug/l	250		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.5*		"	*10.0*		*105*	*70-130*			
Matrix Spike (2030073-MS1)		Source: L203084-03		Prepared & Analyzed: 03/27/02						
Purgeable Hydrocarbons as Gasoline	246	50	ug/l	250	ND	98.4	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*70-130*			
Matrix Spike Dup (2030073-MSD1)		Source: L203084-03		Prepared & Analyzed: 03/27/02						
Purgeable Hydrocarbons as Gasoline	275	50	ug/l	250	ND	110	60-140	11.1	25	
Surrogate: a,a,a-Trifluorotoluene	*10.7*		"	*10.0*		*107*	*70-130*			

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030076 - EPA 5030B (P/T)										
Blank (2030076-BLK1)				Prepared & Analyzed: 03/27/02						
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
Surrogate: a,a,a-Trifluorotoluene	*9.22*		"	*10.0*		*92.2*	*70-130*			
LCS (2030076-BS1)				Prepared & Analyzed: 03/27/02						
Benzene	11.3	0.50	ug/l	10.0		113	70-130			
Toluene	10.1	0.50	"	10.0		101	70-130			
Ethylbenzene	9.90	0.50	"	10.0		99.0	70-130			
Xylenes (total)	29.5	0.50	"	30.0		98.3	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.1*		"	*10.0*		*111*	*70-130*			
LCS (2030076-BS2)				Prepared & Analyzed: 03/27/02						
Purgeable Hydrocarbons as Gasoline	259	50	ug/l	250		104	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.57*		"	*10.0*		*95.7*	*70-130*			
Matrix Spike (2030076-MS1)		**Source: L203087-05**		Prepared & Analyzed: 03/27/02						
Benzene	11.6	0.50	ug/l	10.0	ND	116	60-140			
Toluene	11.1	0.50	"	10.0	0.80	103	60-140			
Ethylbenzene	10.1	0.50	"	10.0	ND	101	60-140			
Xylenes (total)	29.6	0.50	"	30.0	ND	98.7	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.1*		"	*10.0*		*101*	*70-130*			
Matrix Spike Dup (2030076-MSD1)		**Source: L203087-05**		Prepared & Analyzed: 03/27/02						
Benzene	11.7	0.50	ug/l	10.0	ND	117	60-140	0.858	25	
Toluene	11.2	0.50	"	10.0	0.80	104	60-140	0.897	25	
Ethylbenzene	10.2	0.50	"	10.0	ND	102	60-140	0.985	25	
Xylenes (total)	30.1	0.50	"	30.0	ND	100	60-140	1.68	25	
Surrogate: a,a,a-Trifluorotoluene	*10.3*		"	*10.0*		*103*	*70-130*			

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Total Purgeable Hydrocarbon (C6-C12) by EPA 8015M and BTEX/MTBE by EPA 8021B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030077 - EPA 5030B (P/T)										
Blank (2030077-BLK1)				Prepared & Analyzed: 03/27/02						
Purgeable Hydrocarbons as Gasoline	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
Surrogate: a,a,a-Trifluorotoluene	*8.81*		"	*10.0*		*88.1*	*70-130*			
LCS (2030077-BS1)				Prepared & Analyzed: 03/27/02						
Benzene	11.6	0.50	ug/l	10.0		116	70-130			
Toluene	10.6	0.50	"	10.0		106	70-130			
Ethylbenzene	10.1	0.50	"	10.0		101	70-130			
Xylenes (total)	30.3	0.50	"	30.0		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.75*		"	*10.0*		*97.5*	*70-130*			
LCS (2030077-BS2)				Prepared & Analyzed: 03/27/02						
Purgeable Hydrocarbons as Gasoline	259	50	ug/l	250		104	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.6*		"	*10.0*		*116*	*70-130*			
Matrix Spike (2030077-MS1)		Source: L203063-14		Prepared & Analyzed: 03/27/02						
Benzene	11.9	0.50	ug/l	10.0	ND	119	60-140			
Toluene	10.9	0.50	"	10.0	ND	109	60-140			
Ethylbenzene	10.3	0.50	"	10.0	ND	103	60-140			
Xylenes (total)	30.5	0.50	"	30.0	ND	102	60-140			
Surrogate: a,a,a-Trifluorotoluene	*10.6*		"	*10.0*		*106*	*70-130*			
Matrix Spike Dup (2030077-MSD1)		Source: L203063-14		Prepared & Analyzed: 03/27/02						
Benzene	11.8	0.50	ug/l	10.0	ND	118	60-140	0.844	25	
Toluene	10.7	0.50	"	10.0	ND	107	60-140	1.85	25	
Ethylbenzene	10.2	0.50	"	10.0	ND	102	60-140	0.976	25	
Xylenes (total)	29.7	0.50	"	30.0	ND	99.0	60-140	2.66	25	
Surrogate: a,a,a-Trifluorotoluene	*11.2*		"	*10.0*		*112*	*70-130*			

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030070 - EPA 5030B [P/T]										
Blank (2030070-BLK1)				Prepared & Analyzed: 03/26/02						
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	0.50	"							
Bromomethane	ND	0.50	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	0.50	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	0.50	"							
Dibromochloromethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Freon 113	ND	0.50	"							
Methylene chloride	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
Trichloroethene	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
Vinyl chloride	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*10.0*		"	*10.0*		*100*	*63-118*			
Surrogate: Toluene-d8	*10.3*		"	*10.0*		*103*	*73-125*			
Surrogate: 4-BFB	*10.4*		"	*10.0*		*104*	*68-118*			

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030070 - EPA 5030B [P/T]										
Blank (2030070-BLK2)				Prepared & Analyzed: 03/27/02						
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	0.50	"							
Bromomethane	ND	0.50	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	0.50	"							
Chloroethane	ND	0.50	"							
Chloroform	ND	0.50	"							
Chloromethane	ND	0.50	"							
Dibromochloromethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	0.50	"							
cis-1,2-Dichloroethene	ND	0.50	"							
trans-1,2-Dichloroethene	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Freon 113	ND	0.50	"							
Methylene chloride	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
Tetrachloroethene	ND	0.50	"							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
Trichloroethene	ND	0.50	"							
Trichlorofluoromethane	ND	0.50	"							
Vinyl chloride	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*10.9*		"	*10.0*		*109*	*63-118*			
Surrogate: Toluene-d8	*10.2*		"	*10.0*		*102*	*73-125*			
Surrogate: 4-BFB	*9.69*		"	*10.0*		*96.9*	*68-118*			

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - San Carlos

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030070 - EPA 5030B [P/T]										
LCS (2030070-BS1)				Prepared & Analyzed: 03/26/02						
Chlorobenzene	18.9	0.50	ug/l	20.0		94.5	70-130			
1,1-Dichloroethene	19.7	0.50	"	20.0		98.5	65-135			
Trichloroethene	20.2	0.50	"	20.0		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.5*		"	*10.0*		*105*	*63-118*			
Surrogate: Toluene-d8	*9.44*		"	*10.0*		*94.4*	*73-125*			
Surrogate: 4-BFB	*9.65*		"	*10.0*		*96.5*	*68-118*			
LCS (2030070-BS2)				Prepared & Analyzed: 03/27/02						
Chlorobenzene	19.3	0.50	ug/l	20.0		96.5	70-130			
1,1-Dichloroethene	19.9	0.50	"	20.0		99.5	65-135			
Trichloroethene	19.8	0.50	"	20.0		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.6*		"	*10.0*		*106*	*63-118*			
Surrogate: Toluene-d8	*9.88*		"	*10.0*		*98.8*	*73-125*			
Surrogate: 4-BFB	*10.0*		"	*10.0*		*100*	*68-118*			
Matrix Spike (2030070-MS1)	**Source: L203095-06**			Prepared & Analyzed: 03/26/02						
Chlorobenzene	19.1	0.50	ug/l	20.0	ND	95.5	60-140			
1,1-Dichloroethene	19.2	0.50	"	20.0	ND	96.0	60-140			
Trichloroethene	19.7	0.50	"	20.0	ND	98.5	60-140			
Surrogate: 1,2-Dichloroethane-d4	*10.4*		"	*10.0*		*104*	*63-118*			
Surrogate: Toluene-d8	*9.61*		"	*10.0*		*96.1*	*73-125*			
Surrogate: 4-BFB	*9.87*		"	*10.0*		*98.7*	*68-118*			
Matrix Spike Dup (2030070-MSD1)	**Source: L203095-06**			Prepared & Analyzed: 03/26/02						
Chlorobenzene	18.9	0.50	ug/l	20.0	ND	94.5	60-140	1.05	25	
1,1-Dichloroethene	17.6	0.50	"	20.0	ND	88.0	60-140	8.70	25	
Trichloroethene	18.3	0.50	"	20.0	ND	91.5	60-140	7.37	25	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		"	*10.0*		*104*	*63-118*			
Surrogate: Toluene-d8	*9.81*		"	*10.0*		*98.1*	*73-125*			
Surrogate: 4-BFB	*9.78*		"	*10.0*		*97.8*	*68-118*			

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Gettler-Ryan/Geostrategies(1)	Project: Tosco(1)	
6747 Sierra Court, Suite J	Project Number: Tosco #5430, San Leandro	**Reported:**
Dublin CA, 94568	Project Manager: Deanna Harding	04/02/02 13:53

Notes and Definitions

A-04	Sample was analyzed by EPA Method 8260B.
P-02	Chromatogram Pattern: Weathered Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference