GETTLER-RYAN INCPROTECTION

TRANSMITTAL

00 DEC 29 PM 2: 51

December 15, 2000 G-R #180075

TO:

Mr. David B. De Witt

Tosco Marketing Company

2000 Crow Canyon Place, Suite 400

San Ramon, California 94583

CC:

Mr. David Vossler

Gettler-Ryan Inc.

Petaluma, California

FROM:

Deanna L. Harding

Project Coordinator

Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568 RE:

Tosco (Unocal) SS #7376

4191 First Street

Pleasanton, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	December 5, 2000	Groundwater Monitoring and Sampling Report Third Quarter - Event of September 25, 2000;

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 *December 28, 2000*, this report will be distributed to the following:

Enclosure

cc: Mr. Scott Seary, Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502

trans/7376.dbd

December 5, 2000 G-R Job #180075

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

RE:

Third Quarter 2000 Groundwater Monitoring & Sampling Report

Tosco (Unocal) Service Station #7376

4191 First Street Pleasanton, California

Dear Mr. De Witt:

This report documents the quarterly groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R). On September 25, 2000, field personnel monitored ten wells (MW-1, MW-2B and MW-3 through MW-10) and sampled six wells (MW-1, MW-2B, MW-3, MW-7, MW-8, and MW-9) at the above referenced site. Through (MW-4, MW-6 and MW-10) were dry.

Static groundwater levels were measured and all wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were present in one well (MW-5). Static water level data and groundwater elevations are summarized in Table 1. Product Thickness/Removal Data is summarized in Table 2. 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 3, and a Concentration Map is included as Figure 2. The chain of custody document and laboratory analytical reports are also attached.

No. 6882

OF CALLE

Sincerely,

Deanna L. Harding Project Coordinator

Stephan MCarter

Haff be FOR

Senior Geologist, R.G. No. 5577

Figure 1:

Potentiometric Map

Figure 2:

Concentration Map

Table 1:

Groundwater Monitoring Data and Analytical Results

Table 2:

Product Thickness/Removal Data

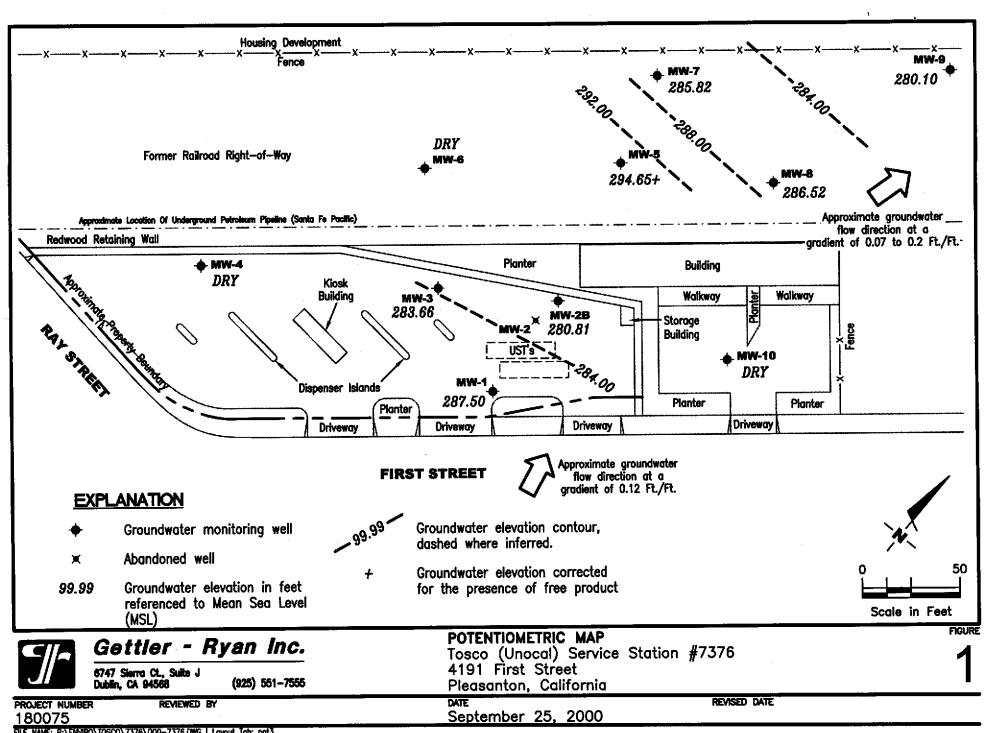
Table 3: Attachments:

Groundwater Analytical Results - Oxygenate Compounds Standard Operating Procedure - Groundwater Sampling

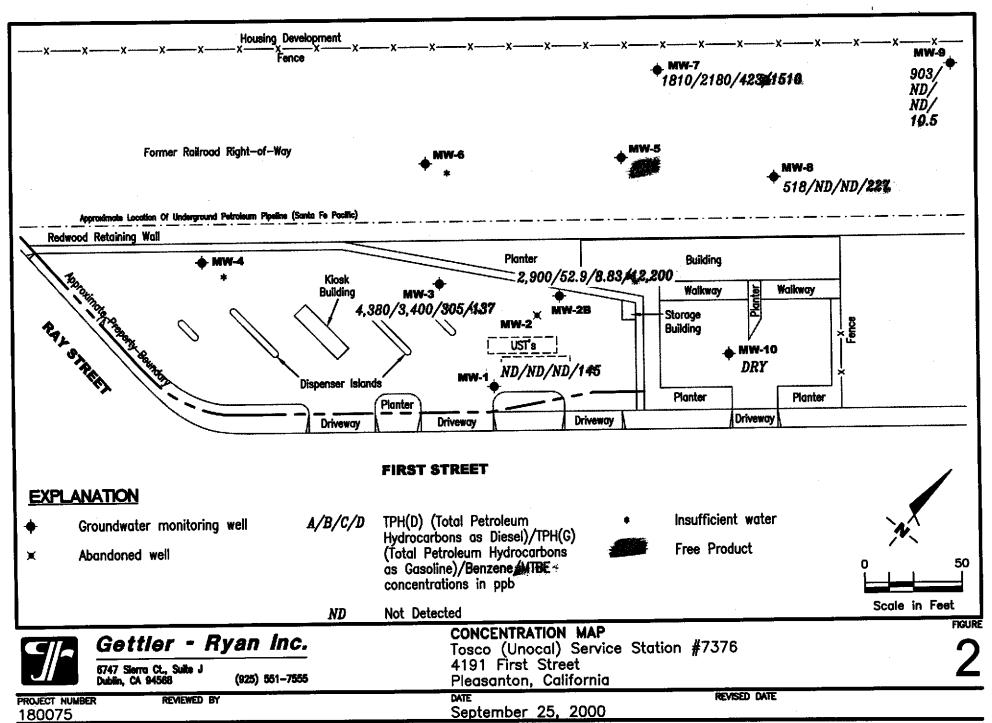
Field Data Sheets

7376.qml

Chain of Custody Document and Laboratory Analytical Reports



FILE NAME: P:\ENVIRO\TOSCO\7376\QOO-7376.DWG | Layout Tab: pat3



FILE NAME: P:\ENWRO\TOSCO\7376\Q00-7376.DWG | Layout Tob: con3

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #7376

osco (Unocal) Service Station
4191 First Street
Pleasanton, California

	_			Product						444	a state at
WELL ID/	DATE	DTW	GWE	Thickness	TPH(D)	TPH(G)	В	T	E	X	MTBE
TOC*		(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
MW-1											
MI AA -1	12/08/87 ¹				$2,100^2$	50 ³	58	8.0	ND	10	
366.99	12/07/94	81.04	285.95	0.00	- -	ND	ND	ND	ND	ND	
300.33	03/01/95	80.09	286.90	0.00	120	ND	ND	1.1	ND	1.3	
	05/01/95	77.53	289.46	0.00	54 ⁵	130	1.0	2.9	0.79	4.5	
	09/06/95	79.00	287.99	0.00	690	ND	ND	ND	ND	ND	<u></u> 6
	12/12/95	77.55	289.44	0.00	190 ⁵	ND	ND	ND	ND	ND	
	03/01/96	75.09	291.90	0.00	56	ND	ND	ND	ND	ND	370
	06/15/96	75.07	291.92	0.00	ND	ND	ND	ND	ND	ND	270
	09/18/96	79.90	287.09	0.00	130 ⁵	ND	ND	ND	ND	ND	590
•	12/21/96	78.96	288.03	0.00	ND	ND	ND	ND	ND	ND	150
	03/07/97	71.49	295.50	0.00	ND	ND	ND	ND	ND	ND	220
	06/27/97	80.05	286.94	0.00	ND	ND	ND	ND	ND	ND	17
	09/29/97	80.04	286.95	0.00	ND	ND	ND	ND	ND	ND	24
	12/15/97	80.07	286.92	0.00	ND	ND	ND	ND	ND	ND	25
	03/16/98	71.00	295.99	0.00	ND	ND	ND	0.52	ND	0.71	190
366.98	06/26/98	79.29	287.69	0.00	ND	59 ¹³	0.90	ND	ND	ND	570
300.76	08/18/98	79.93	287.05	0.00			•=				
	09/22/98	79.99	286.99	0.00	240 ²⁰	ND	ND	ND	ND	ND	170
	12/15/98	80.02	286.96	0.00	ND	ND	ND	ND	ND	ND	63
	12/23/98	80.02	286.96	0.00							
	03/15/99	78.95	288.03	0.00	67 ²⁴	ND ¹¹	ND^{11}	ND ¹¹	ND ¹¹	ND^{11}	520
	03/23/99	78.69	288.29	0.00							
÷	06/07/99	79.82	287.16	0.00	ND	ND	ND	ND	ND	ND	310
	09/03/99	79.74	287.24	0.00	76 ¹⁹	ND	ND	ND	ND	ND	67/55.2 ²⁷
	12/06/99	79.74	287.24	0.00	ND	ND	ND	ND	ND	ND	120
	03/10/00	79.74	287.32	0.00	51 ¹⁹	ND	ND	ND	ND	ND	100
	05/10/00	79.57	287.41	0.00	68.2^{20}	ND	ND	ND	ND	ND	98.9
	09/25/00	79.48	287.50	0.00	ND	ND	ND	ND	ND	ND	145

Table 1 Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376 4191 First Street Pleasanton, California

				Product							
WELL ID/	DATE	DTW	GWE	Thickness	TPH(D)	TPH(G)	В	T	E	X	MTBE
TOC*		(ft.)	(msl)	(fi.)	(ppb)	(ppb)	(ррв)	(ppb)	(ppb)	(ppb)	(ppb)
MW-2	12/08/87				620^{2}	1,800 ³	910	800	260	1,200	
	12/07/94 DESTROYED	DAMAGED		<u></u> -							
MW-2B											
365.05	03/01/95	80.80	284.25	0.00	320	ND	ND	ND	ND	ND	
	06/01/95	75.69	289.36	0.00	280	350	19	5.8	ND	7.7	
	09/06/95	77.54	287.51 -	0.00	ND	ND	90	ND	ND	ND	<u></u> 6
	12/12/95	75.96	289.09	0.00	850 ⁴	1,200	630	ND	15	57	7
	03/01/96	73.27	291.78	0.00	870 ⁴	1,000	620	ND	ND	5.3	4,300
	06/15/96	73.21	291.84	0.00	420	910	350	ND	ND	ND	3,700
	09/18/96	81.08	283.97	0.00	600	1,200	95	ND	ND	ND	5,200
	12/21/96	77.35	287.70	0.00	470	330 ⁸	57	ND	ND	ND	2,900
	03/07/97	69.67	295.38	Sheen	870 ⁴	190	28	0.64	ND	1.5	4,300
	06/27/97	82.40	282.65	0.00	680 ⁴	98	3.4	1.0	0.53	ND	3,100
	09/29/97	82.72	282.33	0.00	430	ND	ND	ND	ND	ND	3,000
	12/15/97	82.57	282.48	0.00	490	54 ⁹	ND	ND	ND	ND	4,100
	03/16/98	69.13	295.92	Sheen	4,00010	ND ¹¹	17	ND ¹¹	ND ¹¹	ND^{11}	4,400
365.05	06/26/98	77.78	287.27	0.00	790 ¹⁴	ND	ND	ND	ND	ND	4,000
	08/18/98	83.99	281.06	0.00							
	09/22/98	83.89	281.16	0.00	930 ²⁰	\mathbf{ND}^{11}	ND ¹¹	ND^{11}	ND^{11}	21	4,600
	12/15/98	82.84	282.21	0.00	600	ND	ND .	ND	ND	ND	5,100
	12/23/98	82.55	282.50	0.00							
	03/15/99	77.31	287.74	0.00	390 ²⁵	ND ¹¹	ND ¹¹	ND ¹¹	ND^{11}	NDII	4,300/4,800 ²⁷
	03/23/99	77.06	287.99	0.00		-		••			
	06/07/99	82.96	282.09	0.00	770 ²⁵	ND^{11}	ND^{11}	ND ¹¹	ND ^{II}	ND ¹¹	5,100
	09/03/99	84.16	280.89	0.00	870 ²⁰	ND^{11}	ND^{11}	ND^{11}	ND ¹¹	ND^{11}	6,300/4,400 ²⁷

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #7376

Tosco (Unocal) Service Station : 4191 First Street Pleasanton, California

				Product					6 1	X	МТВЕ
WELL ID/	DATE	DTW	GWE	Thickness	TPH(D)	TPH(G)	В	T	E		
TOC*		(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ррв)	(ppb)	(ppb)	(ppb)	(ppb)
	14107100	04.41	280.64	0.00	850 ³²	NDII	ND ¹¹	ND ¹¹	ND^{11}	NDII	4,400
MW-2B	12/06/99	84.41	282.63	0.00	1,500 ²⁰	ND ^{II}	ND ¹¹	ND ¹¹	\mathbf{ND}^{11}	ND^{11}	6,900
(cont)	03/10/00	82.42	282.32	0.00	34	ND ¹¹	ND ¹¹	NDII	ND^{11}	ND ¹¹	7,780
	06/08/00	82.73	282.32 280.81	0.00	2,900 ²⁰	52.9 ³⁰	8.83	6.58	0.932	5.60	12,200
	09/25/00	84.24	%00.01	0.00	2,500		dide				•
MW-3					2 2002	· 24,000 ³	2,600	1,300	160	660	
	12/08/87				$2,300^2$	ND	2,000 ND	1,500 ND	ND	ND	
367.01	12/07/94	85.54	281.47	0.00	1404			1.1	ND	1.1	
-	03/01/95	83.20	283.81	0.00	140 ⁴ 140 ⁵	ND	ND	0.90	ND	1.6	
	06/01/95	77.60	289.41	0.00	880 ⁵	62	7.8 380	490	130	710	6
	09/06/95	79.28	287.73	0.00		4,100	600	380	2,100	5,300	7
	12/12/95	77.73	289.28	0.00	3,100 ⁴	19,000			1,900	290	59
	03/01/96	75.18	291.83	0.00	1,500 ⁵	3,400	950	3.2	3.8	4.0	630
	06/15/96	75.13	291.88	0.00	400 ⁴	780	190	8.8		110	2,500
	09/18/96	82.84	284.17	0.00	170	2,800	340	12	11		2,300
	12/21/96	79.29	287.72	0.00	64 ⁴	51	1.3	ND	ND	0.53 68	220
	03/07/97	71.58	295.43	0.00	570 ⁴	1,400	53	14	29		220 27
	06/27/97	83.27	283.74	0.00	ND	ND	ND	ND	ND	ND	
	09/29/97	83.33	283.68	0.00	ND	ND	ND	ND	ND	ND	11
	12/15/97	83.35	283.66	0.00	ND	ND	ND	ND	ND	ND	19
	03/16/98	71.07	295.94	0.00	670 ¹⁰	13012	6.5	1.9	1.5	1.6	210
367.03	06/26/98	79.65	287.38	0.00	63 ¹³	400 ¹⁵	15	ND^{11}	ND ¹¹	1.9	490
	08/18/98	83.29	283.74	0.00							
	09/22/98	83.33	283.70	0.00	95 ²⁰	ND	ND	ND	ND	ND	24
	12/15/98	83.29	283.74	0.00	ND	ND	ND	ND	ND	ND	18
	12/23/98	83.28	283.75	0.00		**					
	03/15/99	79.19	287.84	0.00	$3,500^{26}$	26,000	3,100	270	2,200	3,100	1,300
	03/23/99	78.92	288.11	0.00							
	06/07/99	83.22	283.81	0.00	ND	ND	ND	ND	0.63	ND	29
	09/03/99	83.31	283.72	0.00	$2,900^{20}$	$23,000^{30}$	770	ND ¹¹	980	6,400	280/82.4 ²⁷

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #7376

Fosco (Unocal) Service Station : 4191 First Street Pleasanton, California

				Product							MARK
WELL ID/	DATE	DTW	GWE	Thickness	TPH(D)	TPH(G)	В	Т	E	X	MTBE
TOC*		(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
•					4,200 ²⁰	41,000 ³⁰	2 200	3,500	1,300	8,300	ND ¹¹
MW-3	12/06/99	83.41	283.62	0.00			3,200	3,300 ND ¹¹	97	450	200
(cont)	03/10/00	83.23	283.80	0.00	2,500 ²⁰	5,100 ³⁰	340	ND ¹¹		356	55.8
	06/08/00	83.22	283.81	0.00	489 ²⁰	1,200 ³⁰	52.0	ND ¹¹	41.7		137
	09/25/00	83.37	283.66	0.00	4,380 ²⁶	3,400 ³⁰	305	ND	25.4	512	137
MW-4											
369.03	09/18/96	73.67	295.36	0.00	200	160	14	ND	ND	1.6	ND
	12/21/96	77.69	291.34	0.00	ND	ND	ND	ND	ND	ND	ND
	03/07/97	68.04	300.99	0.00	ND	ND	1.9	0.99	ND	1.5	ND
	06/27/97	79.06	289.97	0.00	ND	ND	ND	ND	ND	ND	ND
	09/29/97	85.83	283.20	0.00	ND	ND	ND	ND	ND	ND	ND
	12/15/97	87.26	281.77	0.00	ND	ND	ND	ND	ND	ND	ND
	03/16/98	75.09	293.94	0.00	ND	ND	ND	0.69	ND	0.82	ND
368.81	06/26/98	73.81	295.00	0.00	630^{16}	100 ¹³	62	ND	ND	ND	ND
500.01	08/18/98	78.75	290.06	0.00							
	09/22/98	83.95	284.86	0.00	74 ²⁰	ND	ND	ND	ND	ND	2.8
	12/15/98	85.41	283.40	0.00	ND	ND	ND	ND	ND	ND	ND
	12/23/98	84.95	283.86	0.00							
	03/15/99	78.47	290.34	0.00	ND	ND	ND	ND	ND	ND	ND
	03/23/99	77.37	291.44	0.00							
	06/07/99	76.60	292.21	0.00	ND	ND	ND	ND	ND	ND	ND
	09/03/99	87.23	281.58	0.00	6619	ND	ND	ND	ND	ND	ND/ND ²⁷
	12/06/99	92.23	276.58	0.00	95 ¹³	ND	ND	ND	ND	ND	ND
	03/10/00	92.23 88.54	280.27	0.00	ND	ND	ND	ND	ND	ND	ND
	06/08/00	86.98	281.83	0.00	72.8 ²⁰	ND	ND	ND	ND	ND	ND
	09/25/00	DRY	201.03								

Table 1 Groundwater Monitoring Data and Analytical Results Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California	

				Product	(PDII (T)	TRUICS	В	Т	E	х	MTBE
WELL ID/	DATE	DTW	GWE	Thickness	TPH(D)	TPH(G)		ı (ppb)	(ppb)	(ppb)	(ppb)
TOC*		(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppo)	VIA.C	1840	
MW-5	00/19/06	64.20	299.03	0.00	4,700 ⁵	36,000	6,700	410	730	6,500	4,100
363.23	09/18/96	61.77	301.46	Sheen	4,700 ⁴	25,000	3,200	300	780	3,600	2,600
	12/21/96	56.30	306.93	Sheen	2,100 ⁴	14,000	1,300	120	410	1,200	1,700
	03/07/97		295.03***	0.90	NOT SAMPLEI		-	F FREE PROD	UCT		
	06/27/97	68.88	294.02***	0.35	NOT SAMPLE					**	
	09/29/97	69.47	298.54***	0.30	NOT SAMPLE						
	12/15/97	64.92	298.54*** 313.67***	0.30	NOT SAMPLE						
	03/16/98	49.63			230,000 ¹⁷	490 ¹⁸	6.3	2.8	4.2	5.1	10
363.21	06/26/98	64.13	299.08	Sheen	230,000						44
	08/18/98	70.40	292.81**	0.005	NOT SAMPLE	 N NITE TO THE	PRESENCE	F FREE PROD	UCT		
	09/22/98	69.10	294.16**	0.06	NOT SAMPLE						
	12/15/98	68.84	294.50**	0.17		D DOE TO THE	FRESEITCE C	A TREETROD			
	12/23/98	68.42	295.18**	0.50							
	03/15/99	63.81	299.59**	0.25							
	03/23/99	63.59	299.72**	0.13	26		 	2.700	5,000	20,000	11,000/4,000 ²
	06/07/99	68.25	295.59**	0.82	$4,700,000^{26}$	210,000	6,700	3,700		· ·	
	09/03/99	69.38	294.37**	0.70		D DUE TO THI					
	12/06/99	70.02	293.82**	0.82		D DUE TO THI					
	03/10/00	64.56	299.14**	0.64		D DUE TO THI					
	06/08/00	66.47	297.13**	0.51		D DUE TO TH					
	09/25/00	69.02	294.65**	0.60	NOT SAMPLI	ED DUE TO TI	ie presenci	E OF FREE PI	ODUCT		••
MW-6						1.0		ND	ND	ND	ND
363.12	09/18/96	79.07	284.05	0.00	ND	160	5.4		ND ND	1.7	21
	12/21/96	75.40	287.72	0.00	ND	300 ⁸	96	1.3		31	290
	03/07/97	67.61	295.51	0.00	1904	1, 800 ⁸	920	18	ND		
	06/27/97	80.45	282.67	0.00	73 ⁵	ND	0.73	ND	ND	38	38
	09/29/97	86.02	277.10	0.00	ND	62 ⁹	ND	ND	ND	ND	43

Table 1 Groundwater Monitoring Data and Analytical Results Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

	D.TE	DTW	GWE	Product Thickness	TPH(D)	TPH(G)	В	T	E	x	МТВЕ
WELL ID/ TOC*	DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
21.0xex		y.,									
MW-6	12/15/97	84.03	279.09	0.00	ND	78 ⁹	ND	ND	ND	ND	39
(cont)	03/16/98	67.15	295.97	0.00	10010	210 ¹²	36	2.5	ND	3.0	64
363.13	06/26/98	75.71	287.42	0.00	180 ¹⁴	530	300	8.3	2.8	8.7	81
505.10	08/18/98	74.86	288.27	0.00							
	09/22/98	UNABLE TO LO	CATE								
	12/15/98	UNABLE TO LC									
	12/23/98	80.80	282.33	0.00		120^{23}	1.1	ND	ND	0.78	25
	01/23/99	80.68	282.45	0.00	ND					~=	
	03/15/99	75.29	287.84	0.00	71 ²⁴	62 ²²	1.4	ND	ND	ND	23
	03/23/99	75.03	288.10	0.00				· 			
	06/07/99	82.27	280.86	0.00	160 ²⁸	ND	ND	ND	ND	ND	18
	09/03/99	87.49	275.64	0.00	NOT SAMPLE	D DUE TO INSU	JFFICIENT WA	ATER			
	12/06/99	DRY									
	03/10/00	85.61	277.52	0.00	ND	ND	ND	ND	ND	ND	64
	06/08/00	87.36	275.77	0.00	NOT SAMPLE	D DUE TO INSI	UFFICIENT WA				
	09/25/00	DRY									
MW-7										••	
355.97	06/26/98			••	1 400 ²⁰	4.000	1,900	 48	160	NDII	1,700
	08/18/98	68.75	287.22	0.00	1,400 ²⁰ 780 ²⁰	4,000	1,100	ND	22	ND	1,500
	09/22/98	66.35	289.62	0.00		3,200 1,900 ²²	1,100	2.7	2.9	3.8	1,400
	12/15/98	65.03	290.94	0.00	350 ²¹			<i>2.1</i> 	2.7		
	12/23/98	64.82	291.15	0.00	460 ²⁶		1 100	ND ^{II}	30	16	1,400/970 ²⁷
	03/15/99	60.44	295.53	0.00		2,700	1,100				
	03/23/99	60.43	295.54	0.00	550 ²⁵	2,600 ²⁹	180	 21	ND	13	1,200
	06/07/99	64.48	291.49	0.00		2,600 870 ³⁰	180 69	ND ¹¹	ND ¹¹	ND ¹¹	1,100/872 ²⁷
	09/03/99	69.98	285.99	0.00	550 ²⁰	870 ⁻³ 1,900 ³¹		ND ¹¹	ND ¹¹	ND ¹¹	1,100
	12/06/99	70.18	285.79	0.00	220^{20}	1,900-	350	עמו	שמ	MD	1,100

Table 1 Groundwater Monitoring Data and Analytical Results Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

WELL ID/	DATE	DTW	GWE	Product Thickness	TPH(D)	TPH(G)	В	т	E	x	MTBE
TOC*		(fl.)	(msl)	(ft.)	(ppb)	(ррв)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
MW-7	03/10/00	67.36	288.61	0.00	930 ²⁰	$2,900^{31}$	1,600	ND11	40	54	1,100
(cont)	06/08/00	69.81	286.16	0.00	463 ²⁰	625 ³⁰	30.8	ND	0.761	0.940	1,29635
(cont)	09/25/00	70.15	285.82	0.00	1,810 ²⁰	2,180 ²²	423	ND ¹¹	ND ¹¹	ND ¹¹	1,510
MW-8											
362.37	06/26/98	63.00	299.37	0.00	80 ¹⁹	ND	6.0	ND	ND	ND	150
	08/18/98	73.38	288.99	0.00							
	09/22/98	70.89	291.48	0.00	120^{20}	ND	ND	ND	ND	ND	9.5
	12/15/98	70.29	292.08	0.00	ND	ND	ND	ND	ND	ND	3.0
	12/23/98	70.03	292.34	0.00							
	03/15/99	UNABLE TO LO	CATE								
361.83	03/23/99	64.86	296.97	0.00	60 ²⁴	ND	ND	0.77	ND	0.96	190
	06/07/99	68.30	293.53	0.00	ND	ND	ND	ND	ND	ND	ND
	09/03/99	73.92	287.91	0.00	130 ¹⁹	ND	ND	0.57	ND	ND	170/146 ²⁷
	12/06/99	74.98	286.85	0.00	160 ¹⁹	ND	ND	ND	ND	ND	150
	03/10/00	71.54	290.29	0.00	61 ¹⁹	ND	ND	ND	ND	ND	150
	06/08/00	72.60	289.23	0.00	135^{20}	ND	ND	ND	ND	ND	42.8
	09/25/00	75.31	286.52	0.00	518 ²⁰	ND	ND	ND	ND	ND	227
MW-9											
354.85	11/29/99	74.50	280.35	0.00			••				
	12/06/99	74.35	280.50	0.00	ND	ND	ND	ND	ND	ND	$3.0/2.7^{27}$
	03/10/00	65.94	288.91	0.00	150 ¹⁹	ND	ND	ND	ND	ND	2.5
	06/08/00	70.77	284.08	0.00	67.8 ²⁰	ND	ND	ND	ND	ND	ND
	09/25/00	74.75	280.10	0.00	903 ²⁰	ND	ND	0.516	ND	ND	10.5

Table 1

Groundwater Monitoring Data and Analytical Results Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

				Product					**	X	MTBE
WELL ID/	DATE	DTW	GWE	Thickness	TPH(D)	TPH(G)	В	T	E		
TOC*		(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
MW-10											
362.62	11/29/99	DRY	45								
	12/06/99	DRY			78 ²⁰	 ND	 ND	ND	ND	ND	130/150 ²⁷
	03/10/00 ³³	85.04	277.58	0.00							
	06/08/00	DRY									••
	09/25/00	DRY								-	-
Trip Blank						·					
TB-LB	03/16/98					ND	ND	ND	ND	ND	ND
10-00	06/26/98					ND	ND	ND	ND	ND	ND
	08/18/98					ND	ND	ND	ND	ND	ND
	09/22/98					ND	ND	ND	ND	ND	ND
	12/15/98					ND	ND	ND	ND	ND	ND
	12/13/98					ND	ND	ND	ND	ND	ND
						ND	ND	ND	ND	ND	ND
	03/15/99					ND	ND	ND	ND	ND	ND
	03/23/99					ND	ND		. ND	ND	ND
	06/07/99				·	ND	ND	ND	ND	ND	ND
	09/03/99					ND	ND	ŅD	ND	ND	ND
	12/06/99					ND ND	ND	ND	ND	ND	ND
	03/10/00							ND	ND	ND	ND
	06/08/00					ND	ND		ND ND	ND	ND
	09/25/00	==				ND	ND	ND	ND	ND	1417

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376 4191 First Street Pleasanton, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 16, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing

B = Benzene

ppb = Parts per billion

DTW = Depth to Water

T = Toluene

ND = Not Detected

(ft.) = Feet

E = Ethylbenzene

-- = Not Measured/Not Analyzed

GWE = Groundwater Elevation

X = Xylenes

msi = Mean sea level

MTBE = Methyl tertiary butyl ether

TPH(G) = Total Petroleum Hydrocarbons as Gasoline

- * TOC elevations have been surveyed relative to mean sea level (msl) per City of Pleasanton Benchmark V1, a brass disk on the north curb of Ray Street, approximately 200 feet northwest of the centerline of First Street (Elevation = 367.17 feet msl). On March 22, 1999, MW-8 was re-surveyed and on November 26, 1999, MW-9 and MW-10 were surveyed, the Benchmark was a cut "+" on a concrete transformer pad on the north side of the property to the northwest (Elevation = 353.92 feet, msl).
- ** Groundwater elevation corrected for the presence of free product; correction factor = [(TOC-DTW)+(Product Thickness x 0.77)].
- *** Groundwater elevation corrected for the presence of free product; correction factor = [(TOC-DTW)+(Product Thickness x 0.75)].
- 1 1,2-Dichloroethene (1,2-DCE) was detected at a concentration of 18 ppb.
- Reported as Total Extractable Hydrocarbons (TEH).
- Reported as Total Petroleum Hydrocarbons (TPH).
- Laboratory report indicates the hydrocarbons detected appeared to be a diesel and non-diesel mixture.
- 5 Laboratory report indicates the hydrocarbons detected did not appear to be diesel.
- 6 Laboratory has potentially identified the presence of MTBE at reportable levels in the groundwater sample collected from this well.
- 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 Laboratory report indicates the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.
- Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- Laboratory report indicates diesel and unidentified hydrocarbons >C16.
- Detection limit raised. Refer to analytical reports.
- Laboratory report indicates gasoline and unidentified hydrocarbons <C7.</p>
- Laboratory report indicates discrete peaks.
- Laboratory report indicates diesel and unidentified hydrocarbons >C20.
- Laboratory report indicates discrete peaks and unidentified hydrocarbons <C7.</p>
- Laboratory report indicates diesel and unidentified hydrocarbons <C15.</p>
- Laboratory report indicates diesel and unidentified hydrocarbons <C15 and >C20.
- Laboratory report indicates gasoline and unidentified hydrocarbons >C8.
- Laboratory report indicates unidentified hydrocarbons >C16.
- Laboratory report indicates unidentified hydrocarbons C9-C24.
- Laboratory report indicates diesel and unidentified hydrocarbons <C12.</p>

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #7376 4191 First Street Pleasanton, California

EXPLANATIONS: (cont)

- Laboratory report indicates unidentified hydrocarbons C6-C12.
- Laboratory report indicates unidentified hydrocarbons C6-C9.
- Laboratory report indicates unidentified hydrocarbons >C14.
- 25 Laboratory report indicates unidentified hydrocarbons >C10.
- Laboratory report indicates unidentified hydrocarbons >C9.
- 27 MTBE by EPA Method 8260.
- 28 Laboratory report indicates unidentified hydrocarbons >C15.
- 29 Laboratory report indicates gasoline and unidentified hydrocarbons >C6.
- 30 Laboratory report indicates gasoline C6-C12.
- Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons < C6.
- 32 Laboratory report indicates unidentified hydrocarbons C9-C40.
- 33 Well re-developed
- The diesel container for MW-2 was broken at lab, therefore; unable to report diesel result.

Table 2

Product Thickness/Removal Data

Tosco (Unocal) Service Station #7376

4191 First Street

Pleasanton, California

WELL ID	DATE	DTW	Product Thickness	Amount Bailed (Product + Water)
		(ft.)	(ft.)	gallons
MW-5	03/07/97	56.30	Sheen	
	06/27/97	68.88	0.90	
	09/29/97	69.47	0.35	
	12/15/97	64.92	0.30	
	03/16/98	49.63	0.09	0.25
	06/26/98	63.00	Sheen	
•	08/18/98	70.40	0.005	
	09/22/98	69.10	0.06	·
	12/15/98	68.84	0.17	
	12/23/98	68.42	0.50	
	03/15/99	63.81	0.25	0.13
	03/23/99	63.59	0.13	0.00
	06/07/99	68.25	0.82	0.94
	09/03/99	69.38	0.70	0.078
	12/06/99	70.02	0.82	0.00
	03/10/00	64.56	0.64	0.00
	06/08/00	66.47	0.51	0.00
	09/25/00	69.02	0.60	0.00

EXPLANATIONS:

Product thickness/removal data prior to March 16, 1998, were compiled from reports prepared by MPDS Services, Inc.

DTW = Depth to water

(ft.) = Feet

-- = Not Measured/Not Available

Table 3
Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #7376 4191 First Street Pleasanton, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1	09/03/99	ND	ND	55.2	ND	ND .	ND
MW-2B	03/15/99 09/03/99	ND ND ²	3,800 3,480	4,800 4,400	13 ND ²	ND ND²	ND ND ²
MW-3	09/03/99	ND	ND	82.4	ND	ND	ND
MW-4	09/03/99	ND	ND	ND	ND	ND	ND
MW-5	06/07/99 09/03/99	ND ² NOT SAMPLED DUE T	ND ² TO THE PRESENCE	4,000 ¹ OF FREE PRODUCT	ND^2	ND ²	ND ²
MW-7	03/15/99 09/03/99	ND ND²	610 460	970 872	4.3 4.36	ND ND ²	ND ND ²
MW-8	09/03/99	ND	ND	146	12.4	ND	ND
MW-9	1 2/06/99³		ND	2.7	ND	ND	ND
MW-10	03/10/00 ⁴		ND	150	ND	ND	ND

Table 3

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #7376 4191 First Street Pleasanton, California

EXPLANATIONS:

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

TBA = Tertiary butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

(ppb) = Parts per billion

ND = Not Detected

-- = Not Analyzed

- Laboratory results indicate sample contains high concentration of Hexane.
- Detection limit raised. Refer to analytical reports.
- Laboratory report indicates 1,2-Dichloroethane (1,2-DCA) and Ethylene dibromide (EDB) were ND.
- Laboratory report indicates 1,2-DCA was detected at 22 ppb and EDB was ND.

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 Tosco Marketing Company, the purge water and decontamination water generated during sampling activities is transported to Tosco - San Francisco Area Refinery, located in Rodeo, California.

			A SHEET		
lient/ Tosca	0- 1 #727	<u>.</u>	Job#:	18007	5
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· ·		Thickness			
otal Depth	86.43n	Volume	2° = 0.17	6° = 1.50	$4^{\circ} = 0.66$ $12^{\circ} = 5.80$
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•	Suction . Grundfos			Grab Sample Other:	
	Other:	. ·	• •	Ottlet	
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urge	Disposable	Bailer		Samp ling Equip ment:	Disposable Ball	eŗ .	
uipment:	Bailer		•	Edaibuse	Cailer		
	Stack				Pressure Bailer	•	
	Suction	•			Grab Sample		•
	Grundfos	•			Other:		
	Other:		- :	_			
• -		-	∑ se	diment Descript	ion:	/	lost
	Rate:	/61	∑ se	diment Descript	ion:	e:	los
urging Flow f	Rate:	/Si	∑ se	diment Descript yes; Time:	ion: Volum		
urging Flow f	Rate:	/	Se If	diment Descript yes; Time:	Volum	ORP All	
urging Flow F	Rate:	pH	∑ se	diment Descript	Volum	ORP All	calinit
urging Flow f	Rate:	/	Se If	diment Descript	Volum	ORP All	calinit
urging Flow f	Rate:	/	Se If	diment Descript	Volum	ORP All	calinity
urging Flow f	Rate:	/	Se If	diment Descript	Volum	ORP All	calinity
urging Flow f	Rate:	/	Se If	diment Descript	Volum	ORP All	calinit
urging Flow f	Rate:	/	Se If	diment Descript	Volum	ORP All	calinit
urging Flow f	Rate:	/	Se If	diment Descript	Volum	ORP All	calinit
urging Flow f	Rate:	/	Conduction with the conduction of the conduction	yes; Time:	volum rature D.O. (mg/L)	ORP All	calinit
urging Flow f	Rate:	/	Conduction with the conduction of the conduction	diment Descript yes; Time: tivity yean Tompe yean Tompe TORY INFORMA	rature D.O. (mg/L)	ORP All	calinit
urging Flow F	Volume (gal.)	pH	Conduction with the conduction of the conduction	diment Descript	TION LABORATORY	ORP All (mV)	calinit
urging Flow F Pid well de-wa	Volume (gal.)	PH	Conduction in the second secon	Tony INFORMA PRESERV. TYPE	rature D.O. (mg/L)	ORP All	calinit
urging Flow F	Volume (gal.)	pH	Conduction in the second secon	diment Descript yes; Time: tivity yean Tompe yean Tompe TORY INFORMA	TION LABORATORY	ORP All (mV)	calinit
turging Flow Fold well de-water Time	Volume (gal.)	PH	Conduction in the second secon	Tony INFORMA PRESERV. TYPE	TION LABORATORY	ORP All (mV)	calinity
Time SAMPLE ID	Volume (gal.)	pH NTAINER OAVIAL	Conduction of the Conduction o	TORY INFORMA PRESERV. TYPE	TION LABORATORY SEQUOIA	ANALYSES TPHIGI/brex/mtbe	calinity
Time SAMPLE ID	Volume (gal.)	pH NTAINER OAVIAL	Conduction of the Conduction o	TORY INFORMA PRESERV. TYPE	TION LABORATORY SEQUOIA	ANALYSES TPHIGI/brex/mtbe	calinity
Time SAMPLE ID	Volume (gal.)	pH NTAINER OAVIAL	Conduction of the Conduction o	TORY INFORMA PRESERV. TYPE	TION LABORATORY SEQUOIA	ANALYSES TPHIGI/brex/mtbe	calinity
Time SAMPLE ID	Volume (gal.)	pH NTAINER OAVIAL	Conduction of the Conduction o	TORY INFORMA PRESERV. TYPE	TION LABORATORY	ANALYSES TPHIGI/brex/mtbe	calinity

_ 4	11 First str asauton, C	<u>a-</u>	Sa	mpler:	Varth	* Hite	,
Well ID	mu-6	We	Il Condition:	oh			
Well Diameter	<u>Zin.</u>	•	drocarbon /	5	Amount B	~~ · · ·	10-11
Total Depth	88.00 ft.	V		= 0.17	{product/wa 3" = 0.38	4	(Gallons ' = 0.66
Depth to Water	* 87.70 ft	Fa	actor (VF)	6 " =	1.50	12" = 5.80	· · · · · · · · · · · · · · · · · · ·
emopted as							last
by Steve 12/		VF	_ = X 3 (case volume)	≖ Estimated Pι	irge Volume: _	(gal.
Purge Equipment:	Disposable Bailer Bailer Stack		Sampli Equipn	ent: D	isposable Ba ailer	ailer	
	Suction			P	ressure Baile	er .	·
	Grundfos Other:		;		rab Sample ther:		
Purging Flow Ra Did well de-wate		gom.	Sediment De			ne:	(ga
					 D.O.	ORP	Alkalinit
Time	/olume pH (gal.)		nductivity T nhos/cm	•F	(mg/L)	(mV)	(ppm)
		/			·		·
	—— <i>—</i>	_ ·					
			RATORY INFO			ANAIN	Vete
SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYP	SEOLO	ORATORY	ANAL' TPH(G)/btex/n	
	\$3,000		7,01				
			<u> </u>				

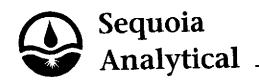
	· • •	IELD DY	(IA SUCE)		
ent/.Tosco-	al # 1514	<u> </u>	_ Job#:	180075	<u> </u>
11101	FIRST STE	EET	Date:	9/25/00	
dress: <u>4141</u>	TIKSI		Sampler	Voitle	K Mik
v: PLEASA	NTON, CA	}	_ Sample	·	
.,, -	•				
	. 4 2 77			${\mathcal D}$	
Well ID	W- 7_	Well Cor			- A
~ .	2	Hydroca	rbon 👍 .	Amount Bail	Gallons)
eil Diameter		Thicknes	68:		4" = 0.66
otal Depth _	76.90 m	Volume		3" = 0.38 6" = 1.50	12" = 5.80
		Factor (VF)	0-120	
epth to Water .	70-15 11	<u> </u>			7 5
	116	00-1	A x 3 lease vo	lume) = Estimated Purp	je Volume: 3-5 (asl.)
	(-†) x VF	Q:1 1. =1	./_E X 0 (0000		
ن	Disposable Bailer		Sampling	Disposable Bail	ler
Purge < quipment:	Bailer	•	Equipment:	Baller	•
darbanes ;	Stack			Pressure Bailer	•
	Suction			Grab Sample	
	Grundfos Other:		- 1	Other:	
					•
		- \A	eather Condition	s: <u>cleer</u>	
Starting Time: ·	12:00		/ater Color:		Oder Management
Sampling Time:	12:25		ediment Descrip	tion: ST / S	and
Purging Flow Rate	9:	our ₂	yes; Time: _	Volum	18: <u></u>
Did well de-water	7	^{}1}	ryes; rillio		
•		Condu	Iculvity Tempe	rature D.O.	ORP Alkalinity (mV) (ppm)
	olúme pH	μπ <u>μ</u> Conde	- C		
12.05	(gal.) 7.38	. <u></u>	<u> </u>	1-6	
12:11	2 7.46		275 -65	14	
12517	3.5 737	<u> </u>	767 -6		
				Ł	
		- ABOB	ATORY INFORM	ATION	ANALYSES
		REFRIG.	PRESERV. TYPE	LABORATORY	
SAMPLE ID	(#) - CONTAINER	Y	HCL	SEQUOIA	TPH(G)/btex/mtbe
MW- +	SXVOAVIAL	 	NONE		TPH-D
4	1 publo	 ^			_
		 			<u></u>
	6	<u> </u>	<u></u>	,	
	<u></u>				
COMMENTS:	·		·		

		FIELD D	AIA SHEET	•	
lient/ Tose	co- nocal #737	6	Job#:	1800	
acility ** U	OL FRONT ST	OFF T	 Date:	1800	75
rddress: पा	91 FIRST ST	N .		14a	+ hike
lity: PLEA	SANTON, CI	<u> </u>	Sampi	er: <u>Vart</u> R	
			·	1.	
Well ID	WM-8	Well Co	ondition:	0K	
Vell Diameter	<u> 2</u> in	Hydroc Thickne		Amount (feet) (product/w	rater): (Gallons)
Fotal Depth	86.40 m	Volum Factor	e 2° = 0.	17 3" = 0.3 6" = 1.50	38
Depth to Water	75.31 11	<u> </u>			
	11.09 x VI	8.A	1.88 x 3 (case	volume) = Estimated	Purge Volume: 60 (cal.)
Purge ,	Disposable Bailer		Samp ling Equip ment	Disposable	Bailer
Equipment:	Hailer Stack	•	E-dayle	Bailer Pressure Ba	•
	Suction	•		Grab Samp	le ·
	Grundfos Other;	<u> </u>		Other:	<u> </u>
	o: Rate:		Veather Condition Vater Color: Sediment Descript fyes; Time: .	ption:	G. M. C.
Did well de-w	ater?				ORP Alkalinity
Time	Volume pH (gal.) 7. XZ	Condo µmh		perature D.O. (mg/l	
1:08	4 7.60			0.3	
1715	7.5	3 16	163 _ 7	10.5	
100					
	<u> </u>		<u> </u>		
		LABOR	ATORY INFORM	FATION LABORATORY	ANALYSES
SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	SEQUOIA	TPH(G)/btex/mtbe
MW- 8	3× VOAVIAL	Y	HCL	-	TPH-D
	1 Amber				
		<u> </u>			· ·
COMMENTS	3:	<u> </u>			
					
			•		

TACC		LIELD D	AIA OIILL	10007	_
Client/ TOSC	ocal #737	6	Job#:	18007	<u> </u>
	I FIRST ST	2FE T	Date:	9/25/00	······
Address: 919	HIKSI SI	\	C	er: Varthe	& wike
city: PLEAS	ANTON, CI	}	— Sample	Br. <u>Voltan</u>	
	<u> </u>		······································	OK	
Well ID	MM-4	Well Co	ndition:	•	
Well Diameter	<u>21</u>	Hydroca Thickne		Amount Ba	d: (Gallons)
Total Depth	78.20 m	Volum Factor		7 3" = 0.38 6" = 1.50	4" = 0.66 12" = 5.80
Depth to Water	74.75 m	<u> </u>			
	3,45 × VF	0.17-	8.58 _X 3 (case)	/olume) = Estimated Pu	ge Volume: 2, Coal.)
Purge	Disposable Bailer		Sampling	Disposable Ba	iler
Equipment:	Bailer	•	Equipment	Railer	
	Stack Suction	•		Pressure Baile	
	© Grundfos			Grab Sample Other:	
,	Other:	 .	• •		
**				ne clea	
Starting Time:	11:15	v	Veather Condition	/I RU1	
Sampling Time:	11:40	v	Vater Color:	ben.	Odor: TW
Purging Flow Re		nm. S	ediment Descri	ption:	igal.)
-,-	er? M	t	f yes; Time: _	Volum	ne:
				D.O.	ORP Alkalinity
Time	Volume pH		ectivity Temp	erature D.O. E. O. (mg/L)	(mV) (ppm)
11219	(84.) 7.67	<u></u>	<u>95 _ 6</u>	7. f	
11:27	7.50	8	<u>87 - C</u>	7 8	
11:31	2 744	3	82 <u>6</u>	 	
<u> </u>					
				AZION	
			ATORY INFORM PRESERV, TYPE	LABORATORY	ANALYSES_
SAMPLE ID	(#) - CONTAINER	REFRIG.		SEQUOIA	TPH(G)/btex/mthe
MW- 9	3x VOAVIAL	Y	HCL	u	TPH-D
Eq.	1 Anches	<u>. </u>	NONE		
			<u> </u>	_1	
				•	
COMMENTS:	·		•		
					9/97-Reider.is

Client/ Tosc	·o-	_		18007	15
Facility# Ur	local #737	6	Job#:	9/25/00	
Address: <u>410</u>	91 FIRST ST	REET	Date:	9/03/20	is it so
City: PLEAS	SANTON, C	A	Sample	or: Varthey	8 M, Re
	•				
Well ID	MW-810	Well Condit	ion:	ok	
Well Diameter	<u>2</u> .	Hydrocarbo Thickness:		Amount Be	eri: (Gallons)
Total Depth	92.90 1	Volume	2" = 0.1	7 3" = 0.38 6" = 1.50	4° = 0.66 12° = 5.80
Depth to Water	DRY 11.	Factor (VF)			
	x v	F =		olume) = Estimated Pu	rge Volume:(oal.)
Purge	Disposable Bailer		Samp ling Equipment:	Disposable Ba	hiler .
Equipment:	Bailer Stack	-		Bailer Pressure Baile	
*.	Suction	•		Grab Sample	
•	Grundfos Other:	-		Other:	
Starting Time:			her Condition		
Sampling Time:	<u> </u>				Odor:
Purging Flow R	ate:		nent Descrip		ne: (gel.)
Did well de-wa	ter?	If yes	: Time:	Volum	ne:(gal.)
Time	Volume pH (gak)	Conductivi	~ / /	rature D.O. (mg/L)	ORP Alkalinity (mV) (ppm)
				/	
		./		/	
			— /		
	<u> </u>		RY INFORMA	TION LABORATORY	ANALYSES
SAMPLE ID	(#) - CONTAINER	1161 11141	SERV. TYPE	SEQUOIA	TPH(G)/btex/mtbe
MW-	VOAVIAL		HEL		
L					
COMMENTS:	DRY				
			<u> </u>		

		-,				<u>.</u>				,			التعبد بجرسب) <u></u>			ijuj	! _}	71	<u>vus</u>	ivay nover
	ı		Fool	illy Humb	er <u>TO</u> !	SCO (UNOC	AL) S	s#73	<u> 26</u>	<u> </u>		_		Conlact	(Nome)	<u>.</u>	TO THE	100-1	17.T	# X	•
						<u>l First S</u>	treet	. P1	2asar	ton.	_CA	-			(Phone)) <u> </u>	(910)	277-	<u>-2327</u> 1	<u></u>	
TOS	1 20	Cone	ruitant Pr	oject Nu Ga	mber <u></u>	80075.85 Ryan Ind	(G-	-R In	<u></u>	,		- 1.		0.1	Sec	L.u.					<u> </u>
						Court.						58 s	iomoles	Collecte	d by (N	lame)_!	Vact	Kes	Was	213	
Taxon Markeling 2000 Grow Canyon San Marton, Gald	Company 171, Sto. 400 profe \$4583					eanna L.						_ c	ollection	ı Dala :	9/2	1/00	<u> </u>			<i>J</i>	
L0091]	loject c.	///.uut (/-	hone) <u>51</u>	0-551-75	55 (Fax	Number	<u>, 510</u> .	<u>-551-</u>	7888	s	Ignoture	No the	9/25	n Wee	<u></u>			·····	
	<u> </u>	<u> </u>	- g		T			Ι.							e Perfor						DO NOT BILL
Sornele Number	Lob Semple Number	Humber of Containers	Matrix S = Sol A = Air W = Water C = Chercoal	Type G = Grub C = Composite D = Discrete	Ilm.	Sample Preservation	load (Yes or No.)	TPH Gas - BTEX WANTEE	TPH Dissel (2015)	Oil and Graces (5520)	Purpeable Holocurbons (8010)	Purpeable Aromotics (8020)		S.	CACTPbZnNi (ICAP or AA)						TB-LB ANALYSIS
TB-LB	01	1	W	Cu.		#4	7	X						<u> </u>	<u> </u>		<u> </u>	<u> </u>	↓	 	
NW-1	02	4	u	<u>_</u>	245		يد	X	X			<u> </u>	<u> </u> .		-		<u> </u>	<u> </u>	<u> </u>	↓	
MW-2B	03	4	n	-	312	-	-	X	×			<u> </u>						<u> </u>	<u> </u>	<u> </u>	
MW-3	04	¥		-4	202	-	-	X	×					<u> </u>	<u> </u>				<u> </u>	<u> </u>	
MW-7	05	4	-	an	1220	-		X	X						-		<u> </u>				
MW-8	06	4		4		ue			X						Ţ , ']	<u></u>		<u> </u>	
. MW-9	07	4	1-2	en	11 40	-		X	X					1		•				T-	<u> </u>
. 170 <u>- 1</u>	7	7	 	 	'' <u>-</u> #	 		+ • •	 	 			\vdash	 	1		1	1		1	
	 	-	 	 		 		 	 	 	 		 	\top	1		1	1			
			┼	<u> </u>	 	 	+ -	 	 	 	 		 	 	 	 	1	1	1	1	
			 	 	 	 	┼──	 	 	 	┼─	 	+-	 	+		1	+	1	1	
	<u> </u>	<u> -</u>	 	 	 	 	 	┼	 	 	 	 	+-	┼─	+	 	+	 	+	+	
	ļ	 	┼	 	 	 	┼	 	 	+	-	 	 	┼─	┼	 	+	 	 	 	
		 	 	 	 		 		┼	 	┼─	-	┼─	 	┼─	├─	 	+	+	 	
Relinquished By	(Fignature)		1 -	enizetien -R Inc		Dale/Time 59	Rec	gelyed 8	 S (Sign J\	1/) Sa	4	genizal ************************************	Llon tion	1 001 7 7	•/Time	[7:05] 		Turn A		ime (Ctrole Choloe)
nquished By	(Signature)		Org	anization		Date/Time	Rec	celved B				0	Organizat	tion		•/Time				46 6	B Hre. Daye
ahed By	(Signature)		Org	anization		Date/Time	Red	oleved F	of Labo	ratory B	y (Signo	rlur•)		•	Date	e/Time					Dave entracted



October 10, 2000

RECEIVED

OCT 13 2000

GETTLER-RYAN INC.

GENERAL CONTRACTORS

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

RE: Tosco(4)/L009181

Dear Deanna Harding

Enclosed are the results of analyses for sample(s) received by the laboratory on September 25, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt Project Manager

CA ELAP Certificate Number 12360

atonya K. Pelt





Tosco(4) Project.

Project Number: Tosco (Unocal) SS#7376 Project Manager: Deanna Harding

Sampled: 9/25/00

Received: 9/25/00 Reported: 10/10/00

ANALYTICAL REPORT FOR L009181

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
TB-LB	L009181-01	Water	9/25/00
MW-1	L009181-02	Water	9/25/00
MW-2B	L009181-03	Water	9/25/00
MW-3	L009181-04	Water	9/25/00
MW-7	L009181-05	Water	9/25/00
MW-8	L009181-06	Water	9/25/00
MW-9	L009181-07	Water	9/25/00





Project: Tosco(4)

Project Number: Tosco (Unocal) SS#7376 Project Manager: Deanna Harding

9/25/00 Sampled: 9/25/00 Received: 10/10/00 Reported:

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - San Carlos

	Batch	Date	Date	Surrogate	Reporting	e ga e te	T Turker	3 7_4_4
Analyte	Number	Prepared	Analyzed	Limits	Limit	Result	<u>Units</u>	Notes*
ГВ- <u>L.В</u>			L00918	R1-01			Water	
Purgeable Hydrocarbons as Gasoline	0100023	10/7/00	10/7/00		50.0	ND	ug/l	
Benzene	0100023	"	#		0.500	ND	er	
Foluene	**	Ħ	**		0.500	ND	Ħ	
	н	н	# .		0.500	ND	n	
Ethylbenzene Kalanan (astal)		н	a		0.500	ND	**	
Xylenes (total)		**	н		5.00	ND		
Methyl tert-butyl ether				70.0-130	2.00	103	%	
Surrogate: a,a,a-Trifluorotoluene	•			70.0-130		100		
MW-1			<u>L0091</u>	<u>81-02</u>			Water	
Purgeable Hydrocarbons as Gasoline	0100016	10/4/00	10/4/00		50.0	ND	ug/i	
Benzene	#	11	Ħ		0.500	ND	#	
Toluene	**	#	er		0.500	ND		
Ethylbenzene	n	**			0.500	ND	п	
Xylenes (total)	н	n	Ħ		0.500	ND	н	
Methyl tert-butyl ether	#	н	n		5.00	145	#	
Surrogate: a,a,a-Trifluorotoluene	- m	"	#	70.0-130		116	%	
-			T 0001	01.03			Water	
MW-2B			<u>L0091</u>	<u>81-03</u>	50.0	52.9	ug/l	1
Purgeable Hydrocarbons as Gasoline	0100016	10/4/00	10/4/00			8.83	ug/i	•
Benzene	**	н			0.500		**	
Toluene	n	11	н		0.500	6.58	11	
Ethylbenzene	**	#	e		0.500	0.932		
Xylenes (total)		**	**		0.500	5.60		•
Methyl tert-butyl ether	я	#	10/5/00		500	12200		2
Surrogate: a,a,a-Trifluorotoluene	"	H	10/4/00	70.0-130		97.3	%	
MW-3			L0091	81-04			Water	
Purgeable Hydrocarbons as Gasoline	0100023	10/5/00	10/5/00		500	3400	ug/l	1
Benzene	n	#	н		5.00	305		
Toluene	**	Ħ	Ħ		5.00	ND	Ħ	
	**	m	#	•	5.00	25.4	. #	
Ethylbenzene		et	н		5.00	512	**	
Xylenes (total)	н	#	н		50.0	137	**	
Methyl tert-butyl ether		"	#	70.0-130		121	%	
Surrogate: a,a,a-Trifluorotoluene				7010 100		-		
<u>MW-7</u>				<u> 181-05</u>			<u>Water</u>	2
Purgeable Hydrocarbons as Gasoline	0100023	10/5/00	10/5/00		500	2180	ug/l	3
Benzene	H	Ħ	-		5.00	423	π	
Toluene		tt	et		5.00	ND ·	11	
Ethylbenzene	n	77	11		5.00	ND	•	
Xylenes (total)	**	**	71		5.00	ND	tt	

Sequoia Analytical - San Carlos

*Refer to end of report for text of notes and definitions.



Project: Tosco(4)
Project Number: Tosco (Unocal) SS#7376

Project Manager: Deanna Harding

Sampled: 9/25/00 Received: 9/25/00 Reported: 10/10/00

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - San Carlos

	Batch	Date	Date	Surrogate	Reporting			
Analyte	Number	Prepared	Analyzed	Limits	Limit	Result	Units	Notes*
TOTAL OF THE			<u>L0091</u> :	P1 05			Water	
MW-7 (continued)		10/5/00		<u> </u>	50 A	1510		
Methyl tert-butyl ether	0100023	10/5/00	10/5/00		50.0		ug/l 	
Surrogate: a,a,a-Trifluorotoluene	"	*	"	70.0-130		122	%	
MW-8			L0091	81-06			Water	
Purgeable Hydrocarbons as Gasoline	0100016	10/5/00	10/5/00	<u></u>	50.0	ND	ug/i	
Benzene	H	77			0.500	ND	M	
Toluene	**	• #	#		0.500	ND		
Ethylbenzene	n	*	H		0,500	ND	n	
Xylenes (total)	w	п			0.500	ND	**	
Methyl tert-butyl ether		н			5.00	227		
Surrogate: a,a,a-Trifluorotoluene		н	W	70.0-130		99.7	%	•
MW-9			L0091	81-07			Water	
Purgeable Hydrocarbons as Gasoline	0100016	10/5/00	10/9/00		50.0	ND	ug/l	
Benzene	#	"	#		0.500	ND	n T	
Toluene		н	n		0.500	0.516	#	
		u	н		0.500	ND	п	
Ethylbenzene Valence (2001)		**			0.500	ND	н	
Xylenes (total)	"	77	•		5.00	10.5	н	
Methyl tert-butyl ether			- "	60.0.130	3.00		%	
Surrogate: a,a,a-Trifluorotoluene		Ħ	л	70.0-130		104	70	



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

Project: Tosco(4)

Project Manager: Deanna Harding

Project Number: Tosco (Unocal) SS#7376

Sampled: 9/25/00 Received: 9/25/00

Reported: 10/10/00

Diesel Hydrocarbons (C9-C24) by DHS LUFT Sequoia Analytical - Morgan Hill

	Batch	Date	Date	Specific	Reporting			·
Analyte	Number	Prepared	Analyzed	Method	Limit	Result	Units	Notes*
					-			
<u>MW-1</u>			<u>L0091</u>	<u>81-02</u>			Water	_
Diesel Range Hydrocarbons	0127026	9/27/00	10/4/00	DHS LUFT	50.0	ND	ug/l	4
Surrogate: n-Pentacosane	п	#	*	50-150		99.6	%	4
MW-2B			L0091	81-03			Water	•
Diesel Range Hydrocarbons	0127026	9/27/00	10/5/00	DHS LUFT	50.0	2900	ug/l	5
Surrogate: n-Pentacosane	n n	"	n	50-150		NR	%	6
MW-3			L0091	21_04			Water	
	0127026	9/27/00	10/5/00	DHS LUFT	50.0	4380	ug/l	5
Diesel Range Hydrocarbons Surrogate: n-Pentacosane	#	#	#	50-150		NR	%	6
hav a			L0091	21_05			Water	
MW-7 Discal Barres Hydrocorbons	0127026	9/27/00	10/5/00	DHS LUFT	50.0	1810	ug/l	5
Diesel Range Hydrocarbons Surrogate: n-Pentacosane	"	#	W	50-150		NR	%	6
LAW 0			L0091	21_06			Water	
MW-8	0127026	9/27/00	10/5/00	DHS LUFT	50.0	518	ug/l	5
Diesel Range Hydrocarbons Surrogate: n-Pentacosane	W VIZ 7020	#	# H	50-150		NR	%	6
MW-9			<u>L0091</u>	21_A7			Water	
Diesel Range Hydrocarbons	0127026	9/27/00	10/5/00	DHS LUFT	50.0	903	ug/l	5
Surrogate: n-Pentacosane	W 7020	W 7/2//00	#	50-150		NR	%	6



Sampled: 9/25/00 Project: Tosco(4) Gettler-Ryan/Geostrategies(1) Received: 9/25/00 Project Number: Tosco (Unocal) SS#7376 6747 Sierra Court, Suite J 10/10/00 Reported: Project Manager: Deanna Harding Dublin, CA 94568

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		- Sequoi	a Analytica	LeSan Car				ay 160% lê		
	<u>.</u>	0 11	G1-	QC		Reporting Limit	Recov	RPD	RPD	
	Date	Spike	Sample	Result	Units	Recov. Limits	%	Limit		Notes
nalyte	Analyzed	Level	Result	Result	Units	Recov. Lilling		201111		
satch: 0100016	Date Prepar	red: 10/4/0	NO		Extrac	tion Method: EP	A 5030B	[P/T]		
	0100016-BI		-	-						
Blank	10/4/00	:		ND	ug/l	50.0				
urgeable Hydrocarbons as Gasoline	10/4/00			ND	11	0.500				
Benzene				ND		0.500				
oluene	-			ND	π	0.500				
thylbenzene	_			ND	n	0.500				
(ylenes (total)	**			ND		5.00				
lethyl tert-butyl ether		- 10.0		10.4		70.0-130	104			-
Surrogate: a,a,a-Trifluorotoluene	in	10.0		10.4		7010 100				
Blank	0100016-B	L <u>K2</u>								
ourgeable Hydrocarbons as Gasoline	10/5/00			ND	ug/l	50.0				
Senzene	н			NĐ		0.500				
Foluene	#			ND	11	0.500	,		·	
	**			ND	H	0.500	I			
Ethylbenzene	W			ND	#	0.500	l			
Kylenes (total)	*			ND	**	5.00				
Methyl tert-butyl ether		10.0		10.6	W	70.0-130	106			
Surrogate: a,a,a-Trifluorotoluene		10.0		10.0		-				
LCS	<u>0100016-B</u>				4	70.0-130	103			
Benzene	10/4/00	10.0		10.3	ug/l	= =				
Toluene	m	10.0		9.47		70.0-130				
Ethylbenzene	**	10.0		9.54	**	70.0-130	_			
Xylenes (total)	н	30.0		29.1		70.0-130				
Surrogate: a,a,a-Trifluorotoluene	#	10.0		9.20	"	70.0-130	92.0			
	010001£ E	DC7								
LCS	0100016-I	<u>250</u>		233	ug/l_	70.0-130				
Purgeable Hydrocarbons as Gasoline Surrogate: a,a,a-Trifluorotoluene	10/4/00	10.0		9.93	"	70.0-130	99.3			
nativense man-tipientine										
<u>LCS</u>	<u>0100016-1</u>			9,48	ug/l	70.0-13	0 94.8	}		
Benzene	10/5/00	10.0		9.46 8.81	H TE/I	70.0-13	•			
Toluene	Ħ	10.0				70.0-13				
Ethylbenzene	Ħ	10.0		8.75	#	70.0-13				
Xylenes (total)	*	30.0		26.6	<u>"</u>					
Surrogate: a,a,a-Trifluorotoluene	n	10.0		10.5	*	70.0-130	, 103			
LCS	01 <u>00016-</u>	BS4						_		
	10/5/00	250		233	ug/l	70.0-13				
Purgeable Hydrocarbons as Gasoline	10/3/00_	10.0		11.3	*	70.0-13	0 113	}		
Surrogate: a,a,a-Trifluorotoluene		10.0								

Sequoia Analytical - San Carlos

*Refer to end of report for text of notes and definitions.





Sequoia Analytical - San Carlos

Gettler-Ryan/Geostrategies(1) Project: Tosco(4) Sampled: 9/25/00
6747 Sierra Court, Suite J Project Number: Tosco (Unocal) SS#7376 Received: 9/25/00
Dublin, CA 94568 Project Manager: Deanna Harding Reported: 10/10/00

Total Purgeabl	e Hydrocarbi	ons (C6-0 ∉ Sequoi	12), BTEX a Analytica	rande (MTB) ISSan Car	rangu).	Kanungonali Sisasa _{si}	76 SUUGE.		
				QC		Reporting Limit	Recov.	RPD	RPD
	Date	Spike	Sample	Result	Units	Recov. Limits	%	Limit	% Notes
Analyte	Analyzed	Level	Result	Result	Cities	TOOCH, Editor			
Matrix Spike	0100016-MS	<u> 1</u>	00 9181-06						
Purgeable Hydrocarbons as Gasoline	10/5/00	250	ND	184	ug/l	60.0-140	73.6		
Surrogate: a,a,a-Trifluorotoluene	*	10.0		10.8	*	70.0-130	108		
Matrix Spike Dup	0100016-MS	SD1 L	0091 81-06						
Purgeable Hydrocarbons as Gasoline	10/5/00	250	ND	219	ug/l	60.0-140	87.6	25.0	17.4
Surrogate: a,a,a-Trifluorotoluene	И	10.0		11.3	7	70.0-130	113		
D.4.L. 0100022	Date Prepai	red: 10/5/	no		Extra	ction Method: EP	A 5030B	[P/T]	
Batch: 0100023	0100023-BL		<u> </u>						
Blank Purgeable Hydrocarbons as Gasoline	10/5/00	<u>esti</u>		ND	ug/l	50.0			
	10/3/00 #			ND	"	0.500			
Benzene	**			ND		0,500			
Toluene				ND	**	0.500	•		
Ethylbenzene	 =			ND	н	0.500			
Xylenes (total)				ND		5.00			
Methyl tert-butyl ether		10.0		11.0		70.0-130			
Surrogate: a,a,a-Trifluorotoluene	*	10.0		21.0		.0.0 150			
Blank	<u>0100023-Bl</u>	LK2		2.750	/1	50.0			
Purgeable Hydrocarbons as Gasoline	10/7/00			ND	ug/l	0.500			
Benzene	Ħ			ND	 H	0.500			
Toluene	•			ND		0.500			
Ethylbenzene	Ħ			ND		0.500			
Xylenes (total)	Ħ			ND	" "	5.00			
Methyl tert-butyl ether				ND		70.0-130			
Surrogate: a,a,a-Trifluorotoluene	a	10.0		11.9	•	/U.U-130	119		
LCS	0100023-B	<u>S1</u>					- 440		
Benzene	10/5/00	10.0		11.0	ug/l	70.0-130			
Toluene	#	10.0		10.4		70.0-13			
Ethylbenzene	7	10.0		9.70	. #	70.0-13			
Xylenes (total)		30.0		29.7	#	70.0-13			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.1	H	70.0-130	111		
LCS	0100 <u>023-В</u>	S2							
Purgeable Hydrocarbons as Gasoline	10/5/00	250		192	ug/l	70.0-13			
Surrogate: a,a,a-Trifluorotoluene	10/3/00	10.0		11.4	#	70.0-130			
	0100023-E	163							
LCS	10/7/00	10.0		11.8	ug/l	70.0-13	0 118	3	
Benzene	10///00	10.0		11.3	н 	70.0-13			
Toluene	W	10.0		10.8		70.0-13			
Ethylbenzene	==	10.0		10.0					11011

*Refer to end of report for text of notes and definitions.



1551 Industrial Road San Carlos, CA 94070-4111 (650) 232-9600 FAX (650) 232-9612 www.sequolalabs.com

Gettler-Ryan/Geostrategies(1)
Project: Tosco(4)
Sampled: 9/25/00
Received: 9/25/00
Project Number: Tosco (Unocal) SS#7376
Dublin, CA 94568
Project Manager: Deanna Harding
Reported: 10/10/00

Total Purgeab	edffydrocarb	ons (C6-C Sequol	12). BTEX Analytica		057/1231 052/1231			RPD	RPD	
	Date	Spike	Sample	QC	** **-	Reporting Limit Recov. Limits	%	Limit		Notes*
Analyte	Analyzed_	Level	Result	Result	Units	Recov. Linus				
LCS (continued) Xylenes (total) Surrogate: a,a,a-Trifluorotoluene	<u>0100023-BS</u> 10/7/00	30.0 10.0		32.6 10.6	ug/l	70.0-130 70.0-130	109			<u></u>
LCS Purgeable Hydrocarbons as Gasoline Surrogate: a,a,a-Trifluorotoluene	0100023-B: 10/7/00	250 10.0		218 10.7	ug/l	70.0-130 70.0-130	87.2 107	<u>.</u>	<u>.</u>	
Matrix Spike Purgeable Hydrocarbons as Gasoline Surrogate: a,a,a-Trifluorotoluene	0100023-M 10/5/00	<u> 250</u>	009176-06 ND	212 11.3	ug/l	60.0-140 70.0-130	84.8 113		<u>. </u>	
Matrix Spike Dup Purgeable Hydrocarbons as Gasoline Surrogate: a,a,a-Trifluorotoluene	0100023-M 10/5/00	<u>1SD1 L</u> 250 10.0	.009176-06 ND	207 11.5	ug/l	60.0-140 70.0-130		25.0	2,39	<u> </u>



Project:

Project Manager:

Tosco(4) Project Number: Tosco (Unocal) SS#7376 Deanna Harding

Sampled: 9/25/00 Received: 9/25/00 10/10/00 Reported:

Diesel Hydrocarbons (C94024) by DHS Fill #1/Onality Control

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov.	RPD Limit	RPD % h	Votes*
Batch: 0127026	Date Prepa	red: 9/27/(<u>)0</u>		Extrac	tion Method: EPA	3510B			
<u>Blank</u>	0127026-BI	L <u>K1</u>		ND	ug/l	50.0				
Diesel Range Hydrocarbons	10/4/00				ug/1	50-150	108			
Surrogate: n-Pentacosane	,,	100		108		30-130	100			
L <u>CS</u>	0127026-B	<u>S1</u>				72.4.10	00.5			
Diesel Range Hydrocarbons	10/4/00	1000		807	ug/l	60-140	80.7			•
Surrogate: n-Pentacosane	"	100		102		50-150	102			. 4
Matrix Spike	0127026 <u>-M</u>	ısı M	J10618-01							
	10/4/00	1000	625	956	ug/l	50-150	33.1			
Diesel Range Hydrocarbons Surrogate: n-Pentacosane	# 10/4/00	100		89.5	er er	50-150	89.5			4
Market Calles Days	0127026-M	ISD1 M	<u> [J10618-01</u>					,		
Matrix Spike Dup	10/4/00	1000	625	1050	ug/l	50-150	42.5	50	9.37	
Diesel Range Hydrocarbons	10/4/00		023	103		50-150	103			4
Surrogate: n-Pentacosane	**	100		103		•====				





Project: Tosco(4)
Project Number: Tosco (Unocal) SS#7376

Project Manager: Deanna Harding

Sampled: 9/25/00 Received: 9/25/00

Reported: 10/10/00

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	MTBE was reported from second analysis.
3	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
4	The surrogate recovery for the closing standard is lower than established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
5	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
6	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
đry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference