

Gettler-Ryan Inc.

TRANSMITTA LAlameda County

November 11, 2002

DEC 0 4 2002

G-R #180109

Mr. David B. De Witt Phillips 66 Company

2000 Crow Canyon Place, Suite 400 San Ramon, California 94583

Environmental Health

CC: Mr. Tim Ripp

Shaw Environmental, Inc. 1921 Ringwood Avenue San Jose, California 95131

FROM:

TO:

Deanna L. Harding **Project Coordinator** Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568

Tosco (Unocal) Service Station

#5760

376 Lewelling Boulevard San Lorenzo, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	October 25, 2002	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of September 18, 2002

Mylon

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 *November 26, 2002*, this report will be distributed to the following:

Mr. Amir K. Gholami, Alameda County Health Care Services, 1131 Harbor Bay Parkway, Alameda, CA 94501

Enclosure



October 25, 2002 G-R Job #180109

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

RE: Second Semi-Annual Event of September 18, 2002

> Groundwater Monitoring & Sampling Report Tosco (Unocal) Service Station #5760 376 Lewelling Boulevard

San Lorenzo, 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. Dissolved Oxygen Concentrations are summarized in Table 3. A Potentiometric Map is included as Figure 1.

Groundwater Samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. 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

Stephen J. Carter

Senior Geologist, R.G. No. 5577

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Figure 1: Figure 2: Potentiometric Map Concentration Map

Table 1:

Groundwater Monitoring Data and Analytical Results

Table 2:

Groundwater Analytical Results - Oxygenate Compounds

Table 3:

Dissolved Oxygen Concentrations

Attachments:

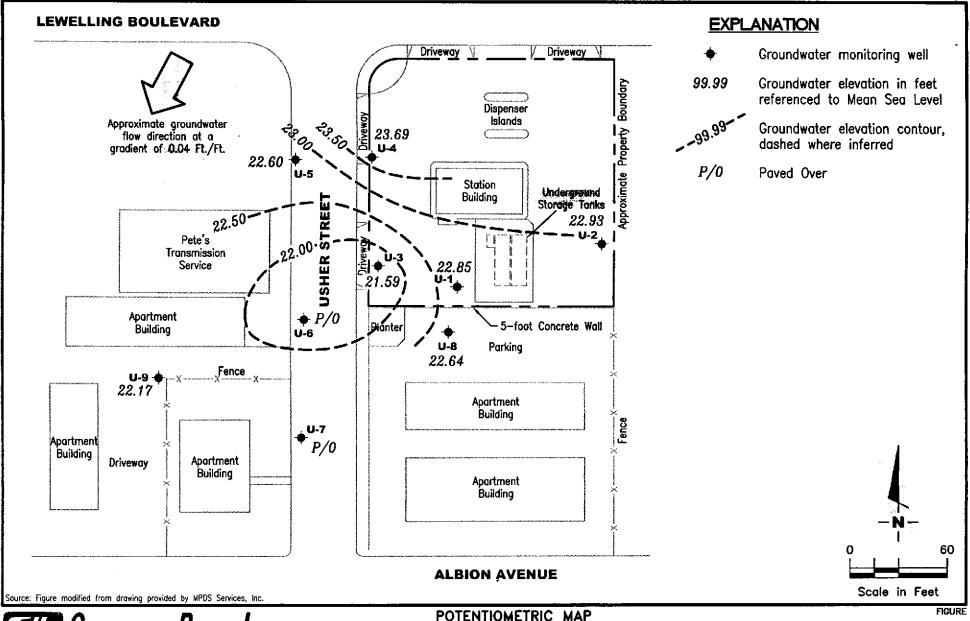
Standard Operating Procedure - Groundwater Sampling

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports

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No. 5577





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Tosco (Unocal) Service Station #5760 376 Lewelling Boulevard

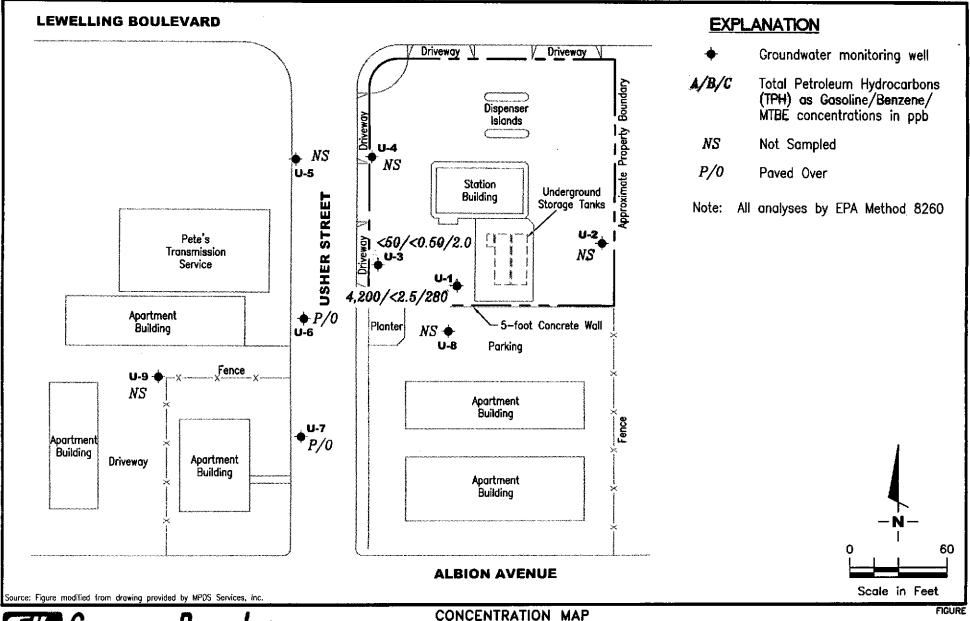
San Lorenzo, California

DATE September 17, 2002 REVISED DATE

FILE NAME: P:\ROBIN\Q02-5760.DWG | Layout Tab: Pot3

PROJECT NUMBER

180109



GETTLER - RYAN INC.

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

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Tosco (Unocal) Service Station #5760 376 Lewelling Boulevard

San Lorenzo, California

DATE REVISED DATE September 17, 2002

FILE NAME: P:\ROBIN\Q02-5760.DWG | Layout Tab: Con3

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Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	DATE	DTW	S.I.	GWE	Product Thickness	TPH-G	В	T	E	X	МТВЕ
TOC*(ft.)	DATE	(ft.)	(ft.bgs)	(msl)	(ft.)	(ppb)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)
			<u> </u>	(*****)	0.0		VPF-7	(PP=)	(PP#)	(PPD)	(PP0)
U-1	02/09/88		10.5-30.5			93,000	3,600	11,000	1	20,000	
	03/20/90					36,000	2,100	5,500	1,900	9,300	
	06/05/90					46,000	2,300	5,500	2,500	11,000	
	08/24/90					27,000	1,200	1,800	1,400	5,500	
	12/05/90					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	03/04/91					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	06/03/91					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	09/19/91					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	12/04/91					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	03/05/92					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	04/07/92					NOT SAMPLE	D - PRODUCT	SKIMMER INS	TALLED IN W	ELL	
	08/06/92					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	11/20/92					NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	02/12/93					70,000	2,200	8,400	3,100	18,000	
0.51	06/04/93	16.72		23.79	0.00	35,000	1,300	5,700	900	9,200	••
	09/09/93	17.77		22.74	0.00	67,000	2,900	18,000	6,200	32,000	
0.20	12/02/93	18.36		21.84	< 0.01	NOT SAMPLE	D DUE TO TH	E PRESENCE O	F FREE PROD	UCT	
	03/09/94	17.20		23.00	0.00	45,000	930	4,100	2,000	11,000	
	06/09/94	17.42		22.78	0.00	59,000	5,200	1,300	5,200	15,000	
	09/07/94	18.17		22.03	0.00	41,000	1,600	6,200	3,100	16,000	
	12/05/94	16.67		23.53	0.00	1,300	55	20	16	330	
	03/09/95	15.82		24.38	0.00	49,000	860	3,200	1,900	10,000	1,500
	06/13/95	14.70		25.50	0.00	53,000	1,400	5,000	2,500	14,000	2,800
40.01**	09/12/95	16.77		23.24	0.00	43,000	910	2,700	1,700	9,600	1,400
10.20	12/14/95	INACCESSIE	BLE - WELL CO	ONNECTED	TO REMEDIAT	TION SYSTEM V	WHICH WAS N	OT RUNNING		••	
	03/20/96					TION SYSTEM V					
	03/22/96					13,000	200	590	640	4,000	79 0
	09/24/96	INACCESSIE	BLE - WELL CO	ONNECTED	TO REMEDIA	TION SYSTEM V	WHICH WAS N	OT RUNNING			
	03/27/97	15.29		24.91	0.00	1,300	8.0	ND	ND	400	ND
	09/23/97	17.20		23.00	0.00	2,000	15	ND	ND	530	NĎ
	03/10/98	12.68		27.52	0.00	2,200 ⁶	19	4.8	ND ⁷	980	38

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	DATE	DTW	S.I.	GWE	Product Thickness	TPH-G	В	T	${f E}$	X	MTBE
FOC*(ft.)		(ft.)	(ft.bgs)	(msl)	(ft.)	(ppb)	(ppb)	(pph)	(pph)	(ppb)	(ppb)
U-1	09/04/98	16.84	10.5-30.5	23.36	0.00	5,300 ⁸	53	ND^7	410	620	ND^7
(cont)	03/04/99	13.04		27.16	0.00	1,500	19	ND ⁷	56	110	310
	09/13/99	17.14		23.06	0.00	5,850 ⁸	32.7	ND ⁷	520	925	ND ⁷
	03/21/00	14.36		25.84	0.00	4,820 ⁸	17.4	7.74	297	1,370	ND ⁷
	09/18/00	16.72		23.48	0.00	647 ⁹	6.44	ND ⁷	22.3	6.86	22.2
	10/13/00	16.85		23.35	0.00						/29 ¹⁰
	03/16/01	15.84		24.36	0.00	4,95011	1.73	1.77	429	536	613
	09/04/01	17.16		23.04	0.00	11,0009	25	<10	1,100	1,800	370
	03/18/02	15.60		24,60	0.00	8,100 ⁹	<20	<20	740	1,300	<200
	09/17/02 ¹³	17.35		22.85	0.00	4,200	<2.5	<2.5	120	43	280
		•									
J- 2	08/23/90		15.0-30.0			ND	ND	ND	ND	ND	
	12/05/90					ND	ND	ND	ND	ND	
	03/04/91					ND	ND	0.9	ND	2.6	
	06/03/91					ND	ND	ND	ND	ND	
	09/19/91					ND	ND	ND	ND	ND	
	12/04/91					ND	ND	ND	ND	ND	
	03/05/92					ND	ND	0.36	ND	ND	
	04/07/92					ND	ND	ND	ND	ND	
	08/06/92					ND	ND	ND	ND	ND	
	11/20/92					ND	ND	ND	ND	ND	
	02/12/93					ND	ND	ND	ND	ND	
11.62	06/04/93	17.59		24.03	0.00	ND	ND	ND	ND	ND	
	09/09/93	18.68		22.94	0.00	ND	ND	ND	ND	ND	
1.26	12/02/93	19.23		22.03	0.00	ND	ND	ND ·	ND	ND	
	03/09/94	18.05		23.21	0.00	62	1.1	5.4	1.1	9.7	
	04/13/94	18.18		23.08	0.00	ND	ND	ND	ND	ND	
	06/09/94	18.26		23.00	0.00	ND	ND	ND	ND	ND	
	09/07/94	19.28		21.98	0.00	ND	ND	0.63	ND	0.61	
	12/05/94	18.82		22.44	0.00	ND	ND	ND	ND	ND	

Table 1
Groundwater Monitoring Data and Analytical Results

			<u>-</u>		Product						
WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Thickness (ft.)	TPH-G <i>(ppb)</i>	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-2	03/09/95	16.96	15.0-30.0	24.30	0.00	ND	ND	NUN	ND	s in	3.75
(cont)	06/13/95	16.71	13.0-30.0	24.55	0.00	ND ND	ND ND	ND ND	ND ND	ND	ND
(50.11)	09/12/95	17.80		23.46	0.00	ND	ND ND	ND	ND ND	ND	ND
	12/14/95	18.18		23.40	0.00	ND	ND	ND ND	ND	ND	ND
	03/20/96	15.02		26.24	0.00				ND	ND	ND
	09/24/96	17.90		23.36	0.00						
	03/27/97	16.45		24.81	0.00	 ND	ND	ND			
	09/23/97	18.40		22.86	0.00				ND	ND	ND
	03/10/98	13.79		27.47	0.00	ND	ND	 ND	ND		
	09/04/98	17.98		23.28	0.00					ND	ND
	03/04/99	14.96		26.30	0.00	 ND	AID	NID.	AID	 ND	 ND
	03/04/99	18.25			0.00	ND	ND	ND	ND	ND	ND
	03/21/00	15.54		23.01	0.00	ATTS	AID.	NID.		NID.	•
				25.72		ND	ND	ND	ND	ND	ND
	09/18/00	17.55		23.71	0.00						
	03/16/01	17.06		24.20	0.00						
	09/04/01	18.39		22.87	0.00	••					
	03/18/02	16.87		24.39	0.00						
	09/17/02	18.33		22.93	0.00				**		
	20120100		150050			110,000	4,400	13,000	2,800	17,000	
U-3	08/23/90	•	15.0-25.0		~~	69,000	1,900	3,500	1,600	9,800	**
	12/05/90					51,000	1,700	3,100	1,500	7,500	
	01/18/91						1,400	10,000	2,900	17,000	
	03/04/91					84,000 130,000	5,800	19,000	4,600	24,000	
	06/03/91						3,300	9,700	2,800	15,000	
	09/19/91					61,000	2,500	6,100	1,900	11,000	
	12/04/91					75,000		15,000	5,400	26,000	
	03/05/92				ere her	160,000	5,300	16,000	5,400	28,000	
	04/07/92					97,000	6,100		5,000	23,000	
	08/06/92					140,000	5,100	13,000	3,000	23,000	

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #5760

					Product						
WELL ID/	DATE	DTW	S.I.	GWE	Thickness	TPH-G	В	T	E	X	MTBE
ΓOC*(ft.)		(ft.)	(ft.bgs)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
U-3	11/20/92		15.0-25.0			50,000	3,200	4,700	1,900	10,000	
(cont)	02/12/93					80,000	3,700	9,400	3,700	18,000	
39.64	06/04/93	15.48		24.16	0.00	92,000	2,900	8,700	4,300	20,000	
	09/09/93	17.04		22.60	0.00	110,000	2,800	10,000	6,500	31,000	
39.26	12/02/93	17.55		21.71	0.00	110,000	3,200	7,700	5,600	26,000	
	03/09/94	16.35		22.91	0.00	120,000	4,500	8,300	5,600	28,000	
	06/09/94	16.60		22.66	0.00	120,000 ⁴	3,300	6,100	5,200	26,000	
	09/07/94	17.61		21.65	0.00	100,000	2,400	4,900	4,200	21,000	
	12/05/94	17.08		22.18	0.00	140,000	3,100	5,100	4,900	21,000	
	03/09/95	15.20		24.06	0.00	100,000	2,300	3,300	4,800	21,000	54,000
	06/13/95	15.11		24.15	0.00	64,000	1,700	1,500	3,800	18,000	900
9.26**	09/12/95	16.11		23.15	0.00	69,000	1,700	820	4,000	19,000	29,000
	12/14/95	INACCESSIE	BLE - WELL C	ONNECTED	TO REMEDIATI	ON SYSTEM V	HICH WAS N	OT RUNNING			
	03/20/96	INACCESSIE	BLE - WELL C	ONNECTED	TO REMEDIATI	ON SYSTEM V	HICH WAS N	OT RUNNING			
	03/22/96					15,000	150	490	480	3,100	400
	09/24/96	INACCESSIE	BLE - WELL C	ONNECTED	TO REMEDIATI	ON SYSTEM V	VHICH WAS N	OT RUNNING			
	03/27/97	14.77		24.49	0.00	110	ND	ND	ND	0.62	9.6
	09/23/97	16.74		22.52	0.00	ND	ND	ND	ND	ND	ND
	03/10/98	12.18		27.08	0.00	ND	ND	ND	ND	3.1	ND
	09/04/98	16.46		22.80	0.00	ND	ND	ND	1.2	2.3	ND
	03/04/99	13.48		25.78	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	16.71		22.55	0.00	ND	ND	1.77	ND	1.06	9.08
	03/21/00	13.87		25.39	0.00	18,700 ⁸	ND^7	ND ⁷	1,290	4,770	ND ⁷
	09/18/00	16.12		23.14	0.00	ND	ND	ND	ND	ND	ND
	03/16/01	15.35		23.91	0.00	2,310 ¹²	ND	ND	184	618	ND
	09/04/01	16.71		22.55	0.00	340 ⁹	0.95	<0.50	8.1	18	<5.0
	03/18/02	15.11		24.15	0.00	6,500°	<10	<10	390	1,400	<100
	09/17/0213	17.67		21.59	0.00	<50	< 0.50	<0.50	< 0.50	<1.0	2.0

Table 1
Groundwater Monitoring Data and Analytical Results
Tosco (Unocal) Service Station #5760

					Product						
WELL ID/	DATE	DTW	S.I.	GWE	Thickness	TPH-G	В	T	E	x	MTBE
TOC*(ft.)	<u> </u>	(ft.)	(ft.bgs)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(pph)	(ppb)
U-4	08/23/90		15.0-28.0			ND	110	. 1			
	12/05/90		13.0-28.0			ND	ND	1.0	ND	1.8	
	01/18/91					ND	ND	ND	ND	ND	
	03/04/91					ND	ND	ND	ND	ND	
	05/04/91					ND	ND	ND	ND	ND	
	09/19/91				- -	ND	ND	ND	ND	ND	
	12/04/91	 				ND	ND	ND	ND	ND	
	03/05/92					ND	ND	ND	ND	ND	
	03/03/92					ND	ND	ND	ND	ND	
	08/06/92					ND	ND	ND	ND	ND	**
	11/20/92					ND	ND	ND	ND	ND	
				·		ND	ND	2.5	ND	ND	
40.62	02/12/93	16.52				ND	ND	ND	ND	ND	
40.53	06/04/93	16.73		23,80	0.00	ND	ND	ND	ND	ND	
	09/09/93	16.89		23.64	0.00	ND	ND	ND	ND	ND	
40.25	12/02/93	18.46		21.79	0.00	ND	ND	ND	ND	2.6	
	03/09/94	17.30		22.95	0.00	ND	1.4	4.7	1.1	8.1	**
	04/13/94	17.44		22.81	0.00	ND	ND	ND	ND	ND	
	06/09/94	17.53		22.72	0.00	ND	ND	ND	ND	ND	
40.28	09/07/94	18.52		21.76	0.00	ND	ND	1.1	ND	1.0	
	12/05/94	18.08		22.20	0.00	ND	ND	ND	ND	ND	
	03/09/95	16.16		24.12	0.00	ND	ND	ND	ND	ND	ND
40.25	06/13/95	15.95		24.30	0.00	ND	ND	ND	ND	ND	2.7
	09/12/95	17.10		23.15	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	17.43		22.82	0.00	ND	ND	ND	ND	ND	1.3
	03/20/96	14.93		25.32	0.00		**				•-
	09/24/96	17.19		23.06	0.00		**				
	03/27/97	15.66	•	24.59	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	17.69		22.56	0.00						
	03/10/98	12.99		27.26	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	17.28		22.97	0.00						
	03/04/99	14.17		26.08	0.00	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Monitoring Data and Analytical Results

			•		Product						
WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Thickness (ft.)	TPH-G <i>(ppb)</i>	B (ppb)	T (ppb)	E (pph)	X (ppb)	MTBE (ppb)
U-4	09/13/99	17.55	15.0-28.0	22.70	0.00						
(cont)	03/21/00	14.74		25.51	0.00	ND	ND	ND	 ND	ND	 ND
	09/18/00	16.88		23.37	0.00					ND	ND
	03/16/01	16.32		23.93	0.00						
	09/04/01	17.70		22.55	0.00		<u></u>	 			
	03/18/02	16.08		24.17	0.00						
	09/17/02	16.56		23.69	0.00		•-				
U-5	04/07/92		15.0-30.0			ND	ND	ND	ND	ND	
	08/06/92		1010 5410			ND	ND	ND	ND	ND	,
	11/20/92					ND	ND	ND	ND	ND	
	02/12/93					ND	ND	ND	ND	ND	
39.61	06/04/93	16.05		23.56	0,00	ND	ND	ND	ND	ND	→ -
	09/09/93	16.90		22.71	0.00	ND	ND	ND	ND	ND	
39.31	12/02/93	17.66		21.65	0.00	ND	ND	ND	ND	ND	
	03/09/94	16.45		22.86	0.00	71	1.7	6.3	1.5	10	**
	04/13/94	16.64		22.67	0.00	ND	ND	ND	ND	ND	
	06/09/94	16.70		22.61	0.00	ND	ND	ND	ND	ND	
	09/07/94	17.73		21.58	0.00	ND	ND	0.73	ND	0.84	
	12/05/94	17.23		22.08	0.00	ND	ND	ND	ND	ND	
	03/09/95	15.35		23.96	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	15.16		24.15	0.00	ND	ND	ND	ND -	ND	0.87
	09/12/95	16.30		23.01	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	16.56		22.75	0.00	ND	ND	ND	ND	ND	ND
	03/20/96	14.07		25.24	0.00						
	09/24/96	16.55		22.76	0.00						
	03/27/97	14.85		24.46	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	16.90		22.41	0.00	SAMPLED AN					
	03/10/98	12.21		27.10	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	16.57		22.74	0.00						

Table 1
Groundwater Monitoring Data and Analytical Results

			·		Product	nzo, Camornia			···		
WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Thickness (ft.)	TPH-G (pph)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
U-5	03/04/99	13.42	15.0-30.0	25.89	0.00	ND	ND	0.67	ND	ND	ND
(cont)	09/13/99	17.02	·	22.29	0.00		••				
	03/21/00	13.93		25.38	0.00	ND	ND	ND	ND	ND	ND
	09/18/00	16.17		23.14	0.00						
	03/16/01	15.51		23.80	0.00	ND	ND	ND	ND	ND	ND
	09/04/01	16.88		22.43	0.00					••	
	03/18/02	15.25		24.06	0.00	<50	< 0.50	< 0.50	< 0.50	<0.50	<5.0
	09/17/02	16.71		22.60	0.00	SAMPLED AN		M &			
U-6	04/07/92		13.0-28.0			6,600	90	ND	820	1,200	
	08/06/92		13.0-28.0			9,200	160	ND	360	1,200	
	11/20/92	INACCESSII	et E			9,200					
	02/12/93		JLL	 		2,600	27	ND	120	51	
37.94	06/04/93	14.45		23,49	0.00	13,000	100	38	450	320	
31.74	09/09/93	15.56		22.38	0.00	6,300 ³	29	ND	120	34	
37.68	12/02/93	16.08		21.60	0.00	2,100	12	1.6	21	1.1	
37.06	03/09/94	14.90		22.78	0.00	2,200	11	8.2	24	16	
	03/09/94	14.90		22.76	0.00	2,600 ⁴	16	ND	29	ND	
				21.48	0.00	16,004	ND	ND	ND	ND	
	09/07/94 12/05/94	16.20 15.60		22.08	0.00	450 ⁵	ND	ND	ND	ND	
		13.74		23.94	0.00	2,500	29	ND	70	120	320
	03/09/95 06/13/95	13.74		23.95	0.00	1,300	ND	ND	20	46	5,400
	09/12/95	13.73		22.83	0.00	ND	ND	ND	ND	ND	6,600
	12/14/95	14.89		22.79	0.00	760	ND	ND	7.0	8.4	1,100
	03/20/96	12.41		25.27	0.00	52	1.1	0.98	ND	0.75	1,200
	03/20/90	15.06		22.62	0.00	ND	ND	ND	ND	ND	750
	03/27/97	13.48		24.20	0.00	ND	ND	ND	ND	ND	150
	09/23/97	15.46		22.32	0.00	66	0.81	ND	ND	ND	150
	03/10/98	10.90		26.78	0.00	ND	ND	ND	ND	NĎ	18
	09/04/98	14.85		22.83	0.00	ND	ND	ND	ND	ND	ND

Table 1
Groundwater Monitoring Data and Analytical Results

				· · · · · · · · · · · · · · · · · · ·	Product						
WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.hgs)	GWE (msl)	Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
,		<u> </u>	V 8-7	1		(PP*)	(PF°)	(PPU)	(PPC)	(PP")	(PP0)
U-6	03/04/99	12.10	13.0-28.0	25.58	0.00	ND	ND	ND	ND	ND	6.5
(cont)	09/13/99	INACCESSI	BLE - PAVED	OVER							
	03/21/00	INACCESSI	BLE - PAVED	OVER	<u></u> -						
	09/18/00	INACCESSI	BLE - PAVED	OVER							
	03/16/01	INACCESSI	BLE - PAVED	OVER							
	09/04/01	INACCESSI	BLE - PAVED (OVER				•			
	03/18/02	INACCESSI	BLE - PAVED (OVER							
	09/17/02	INACCESSI	IBLE - PAVED	OVER	 ·		••	••			
U-7	04107100		150 250								
U-/	04/07/92	••	15.0-35.0			ND	ND	ND	ND	ND	
	08/06/92				~~	ND	ND	ND	ND	ND	
	11/20/92					ND	ND	ND	ND	ND	
37.40	02/12/93					ND	ND	ND	ND	ND	
37.49	06/04/93	14.17		23.32	0.00	ND	ND	ND	ND	ND	
	09/09/93	15.23		22.26	0.00	ND	ND	ND	ND	ND	
37.11	12/02/93	15.61		21.50	0.00	ND	ND	ND	ND	ND 7.5	
	03/09/94	14.45		22.66	0.00	ND	1.4	4.4	0.96	7.5 ND	
	04/13/94	14.63		22.48	0.00	ND	ND	ND	ND ND	ND ND	
	06/09/94	14.70		22.41	0.00	ND	ND	ND		ND ND	
	09/07/94	15.72		21.39	0.00	ND	ND ND	ND ND	ND ND	ND	
	12/05/94	15.10		22.01	0.00	ND	ND ND	ND ND	ND ND	ND ND	ND
	03/09/95	13.36		23.75	0.00	ND ND		ND ND	ND ND	ND	3.5
	06/13/95	13.33		23.78	0.00	ND	ND ND		ND ND	ND	ND
	09/12/95	14.40		22.71	0.00	ND	ND ND	ND ND	ND ND	ND	1.4
	12/14/95	14.39		22.72	0.00	ND	ND				
	03/20/96	11.96		25.15	0.00			u-		• -	
	09/24/96	14.59		22.52	0.00			 ND	ND	 ND	ND
	03/27/97	13.08		24.03	0.00	ND	ND	ND			
	09/23/97	14.90		22.21	0.00	••			 ND	 ND	 ND
	03/10/98	10.46		26.65	0.00	ND	ND	ND	ND	שמ	עמ

Table 1
Groundwater Monitoring Data and Analytical Results

					Product						
WELL ID/	DATE	DTW	S.I.	GWE	Thickness	TPH-G	В	Т	E	X	МТВЕ
FOC*(ft.)		(ft.)	(ft.bgs)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(pph)	(ppb)	(ppb)
U-8	03/04/99	12.81	15.0-30.0	25.76	0.00	ND	ND	ND	ND	ND	ND
(cont)	09/13/99	16.37		22,20	0.00						
	03/21/00	13.25		25.32	0.00	ND	ND	ND	ND	ND	 ND
	09/18/00	15.31		23.26	0.00						
	03/16/01	14.71		23.86	0.00	ND	ND	ND	ND	NĐ	ND
	09/04/01	16.01		22.56	0.00						
	03/18/02	14.46		24.11	0.00	<50	< 0.50	<0.50	<0.50	<0.50	<5.0
	09/17/02	15.93		22.64	0.00	SAMPLED AN	NUALLY				
U-9											
37.88	06/04/93	14.67	13.0-28.0	23.21	0.00	2,100 ²	ND	ND	ND	ND	
	09/09/93	15.79		22.09	0.00	1,200 ²	ND	ND	ND	ND	
37.31	12/02/93	15.93		21.38	0.00	ND	ND	ND	ND	ND	
	03/09/94	14.74		22.57	0.00	5,700⁴	ND	ND	ND	ND	
	04/13/94	14.96		22.35	0.00	ND	ND	ND	ND	ND	
	06/09/94	15.05		22.26	0.00	2,900 ⁵	ND	ND	ND	ND	
	09/07/94	16.06		21.25	0.00	2,700 ⁵	ND	ND	ND	ND	
	12/05/94	15.43		21.88	0.00	3,700 ⁵	ND	ND	ND	ND	
	03/09/95	13.50		23.81	0.00	$2,500^5$	ND	ND	ND	ND	5,800
	06/13/95	13.63		23.68	0.00	ND	ND	ND	ND	ND	1,200
	09/12/95	14.73		22.58	0.00	ND	ND	ND	ND	ND	1,600
	12/14/95	14.67		22.64	0.00	ND	ND	ND	ND	ND	4,400
	03/20/96	12.27		25.04	0.00	ND	ND	ND	ND	ND	480
	09/24/96	14.92		22.39	0.00	ND	ND	ND	ND	ND	ND
	03/27/97	13.36		23.95	0.00	ND	ND	ND	ND	ND	42
	09/23/97	15.28		22.03	0.00	ND	ND	ND	ND	ND	ND
	03/10/98	10.86		26.45	0.00	ND	ND	ND	ND	3.1	ND
	09/04/98	15.03		22.28	0.00	ND	ND	ND	ND	ND	ND
	03/04/99	11.95		25.36	0.00	ND	ND	ND	ND	ND	ND
	09/13/99	15.61		21.70	0.00	ND	ND	1.67	ND	1.01	7.85

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
							(PP=)	(PP+)	(PPU)	(PPO)	(PPD)
U-7	09/04/98	14.42	15.0-35.0	22.69	0.00						
(cont)	03/04/99	11.64		25.47	0.00	ND	ND	ND	ND	ND	6.6
	09/13/99	INACCESSII	BLE - PAVED (OVER				 -			
	03/21/00	INACCESSII	BLE - PAVED (OVER							
	09/18/00	INACCESSII	BLE - PAVED (OVER							
	03/16/01	INACCESSII	BLE - PAVED (OVER							
	09/04/01	INACCESSII	BLE - PAVED (OVER							
	09/17/02	INACCESSI	BLE - PAVED	OVER				n=		•=	**
U-8	04/07/92		15.0-30.0		**	ND	ND	ND	ND	ND	
	08/06/92					ND	ND	ND	ND	ND	
	02/12/93					ND	ND	ND	ND	ND	
38.94	06/04/93	15.26		23.68	0.00	ND	ND	ND	ND	ND	
	09/09/93	16.38		22.56	0.00	ND	ND	ND	ND	ND	
38.57	12/02/93	16.80		21.77	0.00	ND	ND	ND	ND	ND	
	03/09/94	15.62		22.95	0.00	ND	1.2	3.7	0.79	6.1	
	04/13/94	15.80		22.77	0.00	ND	ND	0.78	ND	0.98	
	06/09/94	15.86		22.71	0.00	ND	ND	ND	ND	ND	
	09/07/94	16.87		21.70	0.00	ND	ND	ND	ND	ND	
	12/05/94	16.32		22.25	0.00	ND	ND	ND	ND	ND	
	03/09/95	14.56		24.01	0.00	ND	ND	ND	ND	ND	ND
	06/13/95	14.40		24,17	0.00	ND	ND	ND	ND	ND	ND
	09/12/95	15.50		23.07	0.00	ND	ND	ND	ND	ND	ND
	12/14/95	15.67		22.90	0.00	ND	ND	ND	ND	ND	ND
	03/20/96	13.25		25.32	0.00			<u></u> ·			
	09/24/96	15.75		22.82	0.00						
	03/27/97	14.18		24.39	0.00	ND	ND	ND	ND	ND	ND
	09/23/97	16.05		22.52	0.00	SAMPLED AN	NUALLY				
	03/10/98	11.63		26.94	0.00	ND	ND	ND	ND	ND	ND
	09/04/98	15.81		22.76	0.00						

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	S.I. (ft.bgs)	GWE (msl)	Product Thickness (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE
U-9	00.001.000										
	03/21/00	12.38	13.0-28.0	24.93	0.00	ND	ND	ND	ND	ND	ND
(cont)	09/18/00	14.87		22.44	0.00	ND	ND	1.42	ND	1.06	ND
	03/16/01	13.85		23.46	0.00	ND	ND	ND	ND	ND	ND
	09/04/01	15.22		22.09	0.00	SAMPLED AN	NUALLY				
	03/18/02	13.56		23.75	0.00	<50	< 0.50	< 0.50	< 0.50	< 0.50	<5.0
	09/17/02	15.14		22.17	0.00	SAMPLED AN	NUALLY				
Trip Blank											
TB-LB	03/10/98					ND	ND	ND	ND	ND	ND
	09/04/98					ND	ND	ND	ND	ND	ND
	03/04/99					ND	ND	ND	ND	ND	ND
	09/13/99	*-				ND	ND	ND	ND	ND	ND
	03/21/00					ND	ND	ND	ND	ND	ND
	09/18/00					ND	ND	ND	ND	ND	ND
	10/13/00					ND	ND	ND	ND	ND	ND
	03/16/01					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
QA	09/17/02					<50	<0.50	0.66	<0.50	<1.0	<2.0

Table 1

Groundwater Monitoring Data and Analytical Results

Tosco (Unocal) Service Station #5760 376 Lewelling Boulevard San Lorenzo, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to March 10, 1998, were compiled from reports prepared by MPDS Services, Inc.

TOC = Top of Casing

TPH-G = Total Petroleum Hydrocarbons as Gasoline

ND = Not Detected

DTW = Depth to Water

B = Benzene

-- = Not Measured/Not Analyzed

(ft.) = Feet

T = Toluene

QA = Quality Assurance

S.I. = Screen Interval

E = Ethylbenzene

(ft.bgs) = Feet Below Ground Surface

X = Xylenes

GWE = Groundwater Elevation

MTBE = Methyl tertiary butyl ether

(msl) = Mean sea level

(ppb) = Parts per billion

- TOC elevations have been surveyed relative to msl. Prior to December 2, 1993, the DTW measurements were taken from the top of well covers.
- The PVC well casing was shortened in September 1995.
- Ethylbenzene and Xylenes were combined prior to March 1990.
- The concentration reported as gasoline is primarily due to the presence of a discrete hydrocarbon peak not indicative of standard gasoline.
- 3 The concentration reported as gasoline is primarily due to the presence of a combination of gasoline and a discrete peak not indicative of gasoline.
- Laboratory report indicates the hydrocarbons detected appeared to be gasoline and non-gasoline mixture.
- Laboratory report indicates the hydrocarbons detected did not appear to be gasoline.
- Laboratory report indicates gasoline and unidentified hydrocarbons >C8.
- Detection limit raised. Refer to analytical reports.
- Laboratory report indicates gasoline C6-C12.
- Laboratory report indicates weathered gasoline C6-C12.
- MTBE by EPA Method 8260.
- 11 Laboratory report indicates gas range and late peaks.
- Laboratory report indicates gas pattern.
- TPH-G, BTEX and MTBE by EPA Method 8260.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Tosco (Unocal) Service Station #5760 376 Lewelling Boulevard San Lorenzo, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (pph)	DIPE (ppb)	ETBE (pph)	TAME (pph)	1,2-DCA (pph)	EDB (ppb)
U-1	10/13/00 09/17/02	ND < 2,500	ND <500	29 280	ND <10	ND <10	ND <10	ND <10	ND <10
U-3	09/17/02			2.0					

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

(ppb) = Parts per billion

ND = Not Detected

-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3 Dissolved Oxygen Concentrations

Tosco (Unocal) Service Station #5760 376 Lewelling Boulevard San Lorenzo, California

WELL ID	DATE	Before Purging	After Purging
		(mg/L)	(mg/L)
U-1	03/27/97	2.41	2.35
U-2	03/27/97	4.36	4.49
U-3	03/27/97	3.18	3.32
U-4	03/27/97	3.32	3.26
U-5	03/27/97	3.74	3.77
U-6	03/20/96	3.85	3.89
	09/20/96	3.73	3.81
	03/27/97	4.43	4.36
	09/23/97		4.14
	03/10/98		3.95
U-7	03/27/97	3.29	3.38
U-8	03/27/97	3.04	3.11
U- 9	03/20/96	4.02	4.00
	09/20/96	3.85	3.98
	03/27/97	3.65	3.57
	09/23/97		3.80
	03/10/98		3.62

EXPLANATIONS:

Dissolved oxygen concentrations prior to March 10, 1998, were compiled from reports prepared by MPDS Services, Inc.

(mg/L) = Milligrams per liter

-- = Not Measured

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

After water levels are collected and prior to sampling, 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 disposable 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 and is labeled as QA. 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,



San Lorenzo, CA Sampler: San Lorenzo, CA Sampler: Sampler: San Lorenzo, CA Sampler: Sampler: San Lorenzo, CA Sampler: Sam	lient/Facility #:			_		
Well ID U-	ite Address:	376 Lewelling Blvd	•	Event Date:	9-17-07	
Well Diameter 2 1/3 in. Hydrocarbon Thickness:	City:	San Lorenzo, CA		Sampler:	Joe	
Nell Diameter 2 1/3 in. Hydrocarbon Amount Bailed 2 1/3 in. Thickness:	Vall ID	11.	Mall Condition		C	
Total Depth 29.10 ft. Thickness:				·	A A D - 111	
Depth to Water 17.3			•	D "		901
Factor (VF)	•					gal.
Purge Disposable Bailer Sampling Disposable Bailer Equipment: Stainless Steel Bailer Stack Pump Discrete Bailer Discrete Bailer Other: Start Time (purge): 1207 Weather Conditions: Clear Odor: Sample Time/Date: 1230 19-17-02 Water Color: Clear Odor: Sample Time/Date: 1 gpm. Sediment Description: Did well de-water? If yes, Time: Volume (2400 hr.) (gal.) pH Conductivity (umpos/cm) (CIRD (mg/L) (my/L) (12-22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.10 71-9 1.22 7.	epiii io watei	<u> </u>				
Purge Disposable Bailer Stainless Steel Bailer Stack Pump Discrete Bailer Disc		11.75 xvF_0.3				
Equipment: Stainless Steel Bailer Stack Pump Suction Pump Other: Start Time (purge): 1207 Weather Conditions: Clear Odor: Semple Time/Date: 1230 19-17-02 Water Color: Clear Odor: Semple Time/Date: 1 gpm. Sediment Description: Did well de-water? If yes, Time: Volume: gal. Time (2400 hr.) (gal.) pH (umhos/cm) (C/RD (mg/L) (mV) 1216 4 7.59 6.88 72.2 7.10 71-9 17.22 72-1 7.24 7.12 72-1).uraa	Dianasahla Bailar				
Stack Pump Discrete Bailer Other:	_	•			· -	
Suction Pump	. clarify	- ·		• •	_	
Start Time (purge): 1207 Weather Conditions: Clear (·			-	
Start Time (purge): 1207 Weather Conditions: Clear		•			Other.	
Start Time (purge): 1207 Weather Conditions: Clear						
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES	Sample Time/Da Purging Flow Ra	te: 1230 19-17-0 te: 1 gpm. Sec	Water Color diment Description	:cle	Odor:	Some
	Cample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 1216	te: 1230 19-17-0 te: 1 gpm. Sec r? If yes, Votume (gal.) 4 7:59	Water Color liment Description Time: Conductivity (umpos/cm)	:	gal. D.O.	ORP
U- 1 7 X VOA VIAI YES HCL STL Pleasanton IPH-G (8015)/ BTEX + MTBE (80	Cample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 1216	te: 1230 19-17-0 te: 1 gpm. Sec r? If yes, Volume (gal.) pH 4 7.59 2.5 7.22 7.26	Water Color liment Description Time: Conductivity (umhos/cm) 4 6.88 7.10 7.12 LABORATORY INF	Volume: Temperature (C/RD) 72.2 7/-9 72-/	gal. D.O. (mg/L)	ORP (mV)
	Sample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 12/9 12/9 12.22	te: 1230 19-17-0 te: 19pm. Sec r? If yes, Votume (gal.) pH 4 7.59 8.5 7.22 7.26 (#) CONTAINER REFRIC	Water Color liment Description Time: Conductivity (umhos/cm) 4 6.88 7.10 7.12 LABORATORY INF	Volume:	gal. D.O. (mg/L)	ORP (mV)
	Sample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 12/9 12/9 12.22	te: 1230 19-17-0 te: 19pm. Sec r? If yes, Votume (gal.) pH 4 7.59 8.5 7.22 7.26 (#) CONTAINER REFRIC	Water Color liment Description Time: Conductivity (umhos/cm) 4 6.88 7.10 7.12 LABORATORY INF	Volume:	gal. D.O. (mg/L)	ORP (mV)
	Sample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 12/9 12/9 12-22	te: 1230 19-17-0 te: 19pm. Sec r? If yes, Votume (gal.) pH 4 7.59 8.5 7.22 7.26 (#) CONTAINER REFRIC	Water Color liment Description Time: Conductivity (umhos/cm) 4 6.88 7.10 7.12 LABORATORY INF	Volume:	gal. D.O. (mg/L)	ORP (mV)
	Sample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 12/9 12/9 12-22	te: 1230 19-17-0 te: 19pm. Sec r? If yes, Votume (gal.) pH 4 7.59 8.5 7.22 7.26 (#) CONTAINER REFRIC	Water Color liment Description Time: Conductivity (umhos/cm) 4 6.88 7.10 7.12 LABORATORY INF	Volume:	gal. D.O. (mg/L) TPH-G (8015)/ BTE)	ORP (mV)
COMMENTS:	Sample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 12/9 12/9 12-22	te: 1230 19-17-0 te: 19pm. Sec r? If yes, Votume (gal.) pH 4 7.59 8.5 7.22 7.26 (#) CONTAINER REFRIC	Water Color liment Description Time: Conductivity (umhos/cm) 4 6.88 7.10 7.12 LABORATORY INF	Volume:	gal. D.O. (mg/L) TPH-G (8015)/ BTE)	ORP (mV)
	Sample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.) 12.16 12.79 17.2.2	te: 1230 19-17-0 te: 19pm. Sec r? If yes, Votume (gal.) pH 4 7.59 8.5 7.22 7.26 (#) CONTAINER REFRIC	Water Color liment Description Time: Conductivity (umhos/cm) 4 6.88 7.10 7.12 LABORATORY INF	Volume:	gal. D.O. (mg/L) TPH-G (8015)/ BTE)	ORP (mV)



GETTLER-RYAN INC.

Client/Facility #:	Tosco #5760			Job Number:	180109	
Site Address:	376 Lewelling	Blvd.		Event Date:	9-17-0	ر ح
City:	San Lorenzo	CA		Sampler:		
Well ID	U-2	<u> </u>	Well Condition:	0.1	<u></u>	
Well Diameter	2 /(3) in.		Hydrocarbon		Amount Baile	ed
Total Depth	29,90 ft.		Thickness:	A ft.	(product/water): <u> </u>
Depth to Water	18.33 ft.		Volume Factor (VI	3/4"= 0.02 4"= 0.66		0.17 3"= 0.38 1.50 12"= 5.80
	x\	′F	=)	(3 (case volume) = E	stimated Purge Voli	ume: gal.
Purge	Disposable Baile	r _		Sampling		ler
Equipment:	Stainless Steel E	Bailer _		Equipment:	Pressure Bailer	
	Stack Pump	_			Discrete Bailer	
	Suction Pump	_			Other:	
	Grundfos	_	<u> </u>			
	Other:					
Start Time (purg Sample Time/D	ge): ate:/	Wea	ather Conditions: Water Color:			dor:
	ate: gpm.		nent Description:			<u> </u>
Did well de-wat	er?	If yes, Ti	me:	_ Volume:	gal.	
Time (2400 hr.)	Volume (gal.)	рН	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
	<i></i> :					
/_						
 _					- —	
/ -						
		1.4	ABORATORY INF	ORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE		Υ	ANALYSES
U-	x voa vial	YES	HCL	STL Pleasanto	n TPH-G (8015).	/ BTEX + MTBE (8021)
			-	<u> </u>		
L			<u> </u>	<u> </u>		<u> </u>
			<u> </u>			
COMMENTS:	M. only					
	· · · · · · · · · · · · · · · · · · ·	i				
						0:
Add/Replac	ced Lock:		P	dd/Replaced F	'lug:	Size:



lient/Facility #:	Tosco #5760						
ite Address:	376 Lewelling	Blvd.		Event Date:	9-17	<u> ۲ ن را</u>	
ity:	San Lorenzo,	CA		Sampler:	500	<u> </u>	
Vell ID	U- 3		Well Condition:	Ð	6	······································	
Vell Diameter	2 /(3) in.				Amount E	Pollod	
			Hydrocarbon Thickness:	£ ft.			مامه مستحک
otal Depth	24.85 tt.						gal.
epth to Water	17.67 ft.		Volume Factor (VI	3/4"= 0.02 F) 4"= 0.66	1"= 0.04 5"= 1.02	2'=0.17 6''=1.50	3"= 0.38 12"= 5.80
	718 00	0.38		x3 (case volume) = E			
	XVF	<u></u>	_=	X3 (case volume) = b	stimated Purge	e volume: _	<u>v</u> gai.
urge	Disposable Bailer			Samplin g	Disposable	Bailer _	
quipment:	Stainless Steel Ba	iler		Equipment:	Pressure B	ailer	
	Stack Pump				Discrete Ba	ailer	
	Suction Pump				Other:		
	Grundfos						
	Other:						
Purging Flow Ra	te: <u> 53 q.</u> - te: <u> gpm.</u>	<u>17-6</u> へ Sedime	ent Description:	(bone
Sample Time/Da Purging Flow Ra	te: <u> 53 q-</u> te: <u> gpm.</u>	<u>17-6</u> へ Sedime	Water Color: ent Description: ne:	(<i>e ∞∠</i> gal. D.O (mg/l		ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1144 1146	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 5 // -/ 8/5	17-c \ Sedime If yes, Tim pH 7./0 7./5	Water Color: ent Description: ne: Conductivity ((umhos/cm) y 4,97 5,10 5,12	Volume: Volume: Vermperature (C/E) 72.2 73.0 73.1	gal. D.O (mg/l	L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1144 1146 SAMPLE ID	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 8 // 9	Sedime of yes, Tim pH 7./0 7./5 2./3	Water Color: ent Description: ne: Conductivity ((umhos/cm) x 4,97 5,10 5,10 5,12 BORATORY INF	Volume: Volume: Very Temperature (C/E) 72.2 73.0 73.1 ORMATION LABORATOR	gal. D.O (mg/l	L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1144 1146	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 5 // -/ 8/5	17-c \ Sedime If yes, Tim pH 7./0 7./5	Water Color: ent Description: ne: Conductivity ((umhos/cm) y 4,97 5,10 5,12	Volume: Volume: Vermperature (C/E) 72.2 73.0 73.1	gal. D.O (mg/l	L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1144 1146 SAMPLE ID	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 8 // 9	Sedime of yes, Tim pH 7./0 7./5 2./3	Water Color: ent Description: ne: Conductivity ((umhos/cm) x 4,97 5,10 5,10 5,12 BORATORY INF	Volume: Volume: Very Temperature (C/E) 72.2 73.0 73.1 ORMATION LABORATOR	gal. D.O (mg/l	L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1144 1146 SAMPLE ID	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 8 // 9	Sedime of yes, Tim pH 7./0 7./5 2./3	Water Color: ent Description: ne: Conductivity ((umhos/cm) x 4,97 5,10 5,10 5,12 BORATORY INF	Volume: Volume: Very Temperature (C/E) 72.2 73.0 73.1 ORMATION LABORATOR	gal. D.O (mg/l	L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1144 1146 SAMPLE ID	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 8 // 9	Sedime of yes, Tim pH 7./0 7./5 2./3	Water Color: ent Description: ne: Conductivity ((umhos/cm) x 4,97 5,10 5,10 5,12 BORATORY INF	Volume: Volume: Very Temperature (C/E) 72.2 73.0 73.1 ORMATION LABORATOR	gal. D.O (mg/l	L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate (2400 hr.) 1144 1144 1146 SAMPLE ID U- 3	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 8 // 9	Sedime of yes, Tim pH 7./0 7./5 2./3	Water Color: ent Description: ne: Conductivity ((umhos/cm) x 4,97 5,10 5,10 5,12 BORATORY INF	Volume: Volume: Very Temperature (C/E) 72.2 73.0 73.1 ORMATION LABORATOR	gal. D.O (mg/l	L)	ORP (mV)
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 1144 1146 SAMPLE ID	te: // 53 / 4- te: // gpm. r? // Volume (gal.) 3 // 8 // 9	Sedime of yes, Tim pH 7./0 7./5 2./3	Water Color: ent Description: ne: Conductivity ((umhos/cm) x 4,97 5,10 5,10 5,12 BORATORY INF	Volume: Volume: Very Temperature (C/E) 72.2 73.0 73.1 ORMATION LABORATOR	gal. D.O (mg/l	L)	ORP (mV)



Client/Facility #:				Job Number:	180109	
Site Address:	376 Lewellin	g Blvd.		Event Date:	9-17-0	1
City:	San Lorenzo	, CA		Sampler:	50e	
Well ID	U- 4		Well Condition:	$_{-}$./c	
Well Diameter	2 /(3) in.		Hydrocarbon		Amount Bailed	
Total Depth	27.90 ft.		Thickness:	ft.	(product/water):	gal.
Depth to Water	16.56 ft.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	1
			Factor (V	•	5"= 1.02 6"= 1.50	
	/x	/F	=	x3 (case volume) = E	stimated Purge Volume:	gal.
Purge	Disposable Baile	ν.		Sampling	Disposable Pailer	
Equipment:	Stainless Steel E	_		Equipment:	Disposable Bailer Pressure Bailer	-
_ 	Stack Pump				Discrete Bailer	
	Suction Pump	_			Other:	
	Grundfos	_			Other:	
	Other:	_				
						
Start Time (purge	e):	Wea	ther Conditions:	<u>:</u>		
-	ate:/					
	ate: gpm.	Sedim	nent Description:			
٠						
Did well de-water		If yes, Ti	me:	_ Volume:	gal.	
Did well de-wate	or?					ORP
		If yes, Ti	Conductivity (umhos/cm)	Volume: Temperature (C/F)	gal. D.O. (mg/L)	ORP (mV)
Did well de-wate	volume		Conductivity	Temperature	D.O.	
Did well de-wate	volume		Conductivity	Temperature	D.O.	
Did well de-wate	volume		Conductivity	Temperature	D.O.	
Did well de-wate	volume		Conductivity	Temperature	D.O.	
Did well de-wate	volume		Conductivity	Temperature	D.O.	
Did well de-wate	volume	рН	Conductivity (umhos/cm)	Temperature (C/F)	D.O.	
Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	(mV)
Time (2400 hr.)	Volume (gal.) (#) CONTAINER	pH LA	Conductivity (umhos/cm) BORATORY INF	Temperature (C/F) ORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	(mV)
Time (2400 hr.)	Volume (gal.) (#) CONTAINER	pH LA REFRIG.	Conductivity (umhos/cm) BORATORY INF	Temperature (C/F) ORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.)	Volume (gal.) (#) CONTAINER	pH LA REFRIG.	Conductivity (umhos/cm) BORATORY INF	Temperature (C/F) ORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.)	Volume (gal.) (#) CONTAINER	pH LA REFRIG.	Conductivity (umhos/cm) BORATORY INF	Temperature (C/F) ORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.)	Volume (gal.) (#) CONTAINER	PH LA REFRIG. YES	Conductivity (umhos/cm) BORATORY INF	Temperature (C/F) ORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.) SAMPLE ID U-	Volume (gal.) (#) CONTAINER x voa vial	PH LA REFRIG. YES	Conductivity (umhos/cm) BORATORY INF	Temperature (C/F) ORMATION LABORATOR	D.O. (mg/L)	(mV)



Address: 376 Lewelling Blvd. San Lorenzo, CA U- S Well Condition Hydrocarbor Hydrocarbor	_ Event Date:Sampler:	9-17-02 Jue	
II ID U- 5 Well Condition II Diameter 2 / 3 in. Hydrocarbor			
II ID U- 5 Well Condition II Diameter 2 / 3 in. Hydrocarbor	on: O		
Il Diameter 2/3 in. Hydrocarbor	on:	/	
Il Diameter 2 / 3 in. Hydrocarbor	•	1/4	
	n	Amount Bailed	
al Depth 28.55 ft. Thickness:	ft.	(product/water):	gal.
oth to Water /6.7/ ft. Volum	me 3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
	or (VF) 4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80
	x3 (case volume) = E	stimated Purge Volume:	gal.
	D	8 1 11 8 9 .	
rge Disposable Bailer	Sampling Equipment:	Disposable Bailer	
uipment: Stainless Steel Bailer	– Equipment	Pressure Bailer	
Stack Pump	-	· ·	
Suction Pump		Other:	
Grundfos Other:			
Other.			
rging Flow Rate: gpm. Sediment Descript			
well de-water? If yes, Time:	Volume:	gal.	
Time Volume pH Conductivity (2400 hr.) (gal.) PH (umhos/cm)		D.O. (mg/L)	ORP (mV)
	· ·		
		<u> </u>	
LABORATORY			
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. T			ALYSES
U- x voa viat YES HCL	STL Pleasanto	л тен-с (6015) вте	27 F WI DE (0021)
	1		
MMENTS: 14.04			
V ,			



Client/Facility #:	Tosco #5760	<u> </u>		Job Number:	180109	
Site Address:	376 Lewellin	g Blvd.		Event Date:	9-17,0	٠
City:	San Lorenzo	, CA		Sampler:	501	
W. II. ID	U- 6		MALO PE	Douad	OULON	<u> </u>
Well ID	0 / 0		Well Condition:	<u> Paved</u>	UVUI	
Well Diameter			Hydrocarbon Thickness:	Į,	Amount Bailed (product/water):	1
Total Depth Depth to Water	<u>π.</u> ft.			ft.	· · · · -	gal.
Deptil to Water			Volume Factor (V	3/4"= 0.02 F) 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	
	x	VF	=	x3 (case volume) = E	stimated Purge Volume:	gal.
Purge	Disposable Baile	ar		Sampling	Disposable Bailer	
Equipment:	Stainless Steel I			Equipment:	Pressure Bailer	
	Stack Pump	_		•	Discrete Bailer	
	Suction Pump	_			Other:	
	Grundfos	_				
	Other:					
Purging Flow Rai Did well de-water	Volume		nent Description: ime: Conductivity	Volume:	gal. D.O.	ORP
(2400 hr.)	(gal.)		(umhos/cm)	(C/F)	(mg/L)	(mV)
SAMPLE ID	(#) CONTAINER	L/ REFRIG.	ABORATORY INFO	ORMATION LABORATOR	Y ANA	LYSES
U-	x voa vial	YES	HCL	STL Pleasanto		· · · · · · · · · · · · · · · · · · ·
			<u> </u>	ļ		
COMMENTS:	PNed-	s√e	4.			
						



Site Address:				Job Number:	180109	
Jile Address.	376 Lewellin	g Blvd.	<u> </u>	Event Date:	9-17-02	·
City:	San Lorenzo	, CA		Sampler:	Joc	
		<u> </u>		()a.(d . 1/0 V	· · · · · · · · · · · · · · · · · · ·
Well ID	U- /		Well Condition:		<u>a ove</u>	
Well Diameter	2 / 3 in.		Hydrocarbon	_	Amount Bailed	
Total Depth	ft.		Thickness:	<u>ft.</u>	(product/water):	gal.
Depth to Water	<u>ft.</u>		Volume Factor (Vi	3/4"= 0.02 F) 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	1
	x\	√F	<u> </u>		timated Purge Volume:	
_						_
Purge	Disposable Baile				Disposable Bailer _	
Equipment:	Stainless Steel B	Bailer _				
	Stack Pump	-			-	
	Suction Pump Grundfos	-			Other:	
	Other:					
Did well de-water	?	•	me:		-	000
Time (2400 hr.)	Volume (gal.)	pH	(umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
(2400 hr.)	(gal.)	LA	(umhos/cm)	(C/F)	(mg/L)	(mV)
(2400 hr.)	(gal.)	LA REFRIG.	BORATORY INF	(C/F) ORMATION LABORATORY	(mg/L)	(mV)
(2400 hr.)	(gal.)	LA	(umhos/cm)	(C/F)	(mg/L)	(mV)
(2400 hr.)	(gal.)	LA REFRIG.	BORATORY INF	(C/F) ORMATION LABORATORY	(mg/L)	(mV)
(2400 hr.)	(gal.)	LA REFRIG.	BORATORY INF	(C/F) ORMATION LABORATORY	(mg/L)	(mV)



Clien	t/Facility #:	Tosco #5760			Job Number:	180109	
	Address:	376 Lewelling	g Blvd.		Event Date:	9-17-	<i>ن</i> س
City:		San Lorenzo	, CA		Sampler:	50 e	
			<u> </u>			12	
Well		U- 8		Well Condition:		110	
	Diameter	(2)/3 in.		Hydrocarbon	12.	Amount Bailed	Account
	Depth	29.85 tt.		Thickness:	ft.	. "	
рерт	h to Water	/5.93 ft.		Volume Factor (V	3/4"= 0.02 (F) 4"= 0.66	1"= 0.04 2"= 0. 5"= 1.02 6"= 1	i
		x\	/F	=	x3(case volume) = E	stimated Purge Volun	ne: gal.
Purg	e	Disposable Baile	·r		Sampling	Disposable Baile	r
_	pment:	Stainless Steel B	_		Equipment:	Pressure Bailer	
·	-	Stack Pump	_		•	Discrete Bailer	
		Suction Pump	_			Other:	
		Grundfos					
		Other:					
Start	Time (purge	e):	Wea	ther Conditions:	:		
						~ .	
		te:/		Water Color:	:	Odd	or:
Purg	ing Flow Ra	te: gpm.		Water Color: nent Description:	:		or:
Purg	ing Flow Ra			Water Color:	:		or:
Purg	ing Flow Ra vell de-wate Time	te: gpm. r? Volume		Water Color: nent Description me: Conductivity	: Volume:	gal.	ORP
Purg	ing Flow Ra vell de-wate	te: gpm. r?		Water Color: nent Description me:	: Volume:	gal.	<u> </u>
Purg	ing Flow Ra vell de-wate Time	te: gpm. r? Volume		Water Color: nent Description me: Conductivity	: Volume:	gal.	ORP
Purg	ing Flow Ra vell de-wate Time	te: gpm. r? Volume		Water Color: nent Description me: Conductivity	: Volume:	gal.	ORP
Purg	ing Flow Ra vell de-wate Time	te: gpm. r? Volume		Water Color: nent Description me: Conductivity	: Volume:	gal.	ORP
Purg	ing Flow Ra vell de-wate Time	te: gpm. r? Volume		Water Color: nent Description me: Conductivity	: Volume:	gal.	ORP
Purg	ing Flow Ra vell de-wate Time	te: gpm. r? Volume	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm)	Volume: Temperature (C/F)	gal.	ORP
Purg Did v	ing Flow Ra vell de-wate Time (2400 hr.)	te: gpm. r? Volume (gal.)	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm)	Temperature (C/F)	gal. D.O. (mg/L)	ORP (mV)
Purg Did v	ing Flow Ravell de-wate Time (2400 hr.)	te:gpm. r?	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm) BORATORY INF	Volume: Temperature (C/F) CORMATION LABORATOR	gal. D.O. (mg/L)	ORP (mV)
Purg Did v	ing Flow Ra vell de-wate Time (2400 hr.)	te: gpm. r? Volume (gal.)	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm)	Temperature (C/F)	gal. D.O. (mg/L)	ORP (mV)
Purg Did v	ing Flow Ravell de-wate Time (2400 hr.)	te:gpm. r?	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm) BORATORY INF	Volume: Temperature (C/F) CORMATION LABORATOR	gal. D.O. (mg/L)	ORP (mV)
Purg Did v	ing Flow Ravell de-wate Time (2400 hr.)	te:gpm. r?	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm) BORATORY INF	Volume: Temperature (C/F) CORMATION LABORATOR	gal. D.O. (mg/L)	ORP (mV)
Purg Did v	ing Flow Ravell de-wate Time (2400 hr.)	te:gpm. r?	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm) BORATORY INF	Volume: Temperature (C/F) CORMATION LABORATOR	gal. D.O. (mg/L)	ORP (mV)
Purg Did v	ing Flow Ravell de-wate Time (2400 hr.)	te:gpm. r?	If yes, Ti	Water Color: nent Description me: Conductivity (umhos/cm) BORATORY INF	Volume: Temperature (C/F) CORMATION LABORATOR	gal. D.O. (mg/L)	ORP (mV)



			Job Number: 1	80109	
376 Lewellin	g Blvd.		Event Date:	9-17-02	
San Lorenzo	, CA		Sampler:	Jee	
				7	
		Well Condition:	0,	K	
		Hydrocarbon		Amount Bailed	
		Thickness:	<u> </u>	(product/water):	gal.
15-14 ft.		Volume	3/4"= 0.02	1*= 0.04 2*= 0.17	3*= 0.38
			·		12"= 5.80
x	/F	=	x3(case volume) = Est	imated Purge Volume: _	gal.
Disposable Baile	۱۲		Sampling r)isnosable Bailer	
•	-	····			
		 -		Nicerata Bailar	
Suction Pump	18.0		C		
Grundfos	<u></u>				
Other:					
ate: gpm.					
Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
·					
					· · · · · · · · · · · · · · · · · · ·
(#) CONTAINER		ABORATORY INF		ANAL	YSES
(#) CONTAINER	L/ REFRIG. YES	ABORATORY INF PRESERV. TYPE HCL		ANAL TPH-G (8015)/ BTEX	YSES :+ MTBE (8021)
	REFRIG.	PRESERV. TYPE	LABORATORY		
	REFRIG.	PRESERV. TYPE	LABORATORY		
	REFRIG.	PRESERV. TYPE	LABORATORY		
	REFRIG. YES	PRESERV. TYPE	LABORATORY		
	REFRIG.	PRESERV. TYPE	LABORATORY		
	REFRIG. YES	PRESERV. TYPE	LABORATORY		
	Disposable Baile Stainless Steel E Stack Pump Suction Pump Grundfos Other: Stack Stack Pump Suction Pump Grundfos Stack Pump Suction Pu	San Lorenzo, CA U- Q (2) / 3 in. 28.725 ft. // / ft. xVF Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other: physical color of the color o	U- Q Well Condition: Yolume Place Well Condition:	San Lorenzo, CA U-C Well Condition: Hydrocarbon Thickness: Hydrocarbon Thickness: Hydrocarbon Thickness: I - I - I - I - I - I - I - I - I - I	San Lorenzo, CA U-Q Well Condition: Hydrocarbon Thickness: Ht. (product/water): Volume Side 1.02 XVF X3 (case volume) = Estimated Purge Volume: Stack Pump Suction Pump Grundfos Other: Weather Conditions: Weather Conditions: Are: Gry Meather Color: Well Condition: Hydrocarbon Thickness: It. (product/water): Amount Bailed (product/water): Xift (product/water): X3 (case volume) = Estimated Purge Volume: Pressure Bailer Stack Pump Suction Pump Other: Weather Conditions: Are: J Water Color: Are: Gry Mater Color: Are: Gry Mater Color: Are: J Volume D.O.

Tosco Corp./	,	ı	lity Nu lity Ad		#5760 376 LEWEL			_							ery Nam	, STL	- PLE	SANTON, 'AN, INC.	CA			of-Custod
Phillips 66 Co 2000 Crow Carryon		Glob	el ID.		T06001014	69		Project	180	0109,80			1	-onuuna Vadress		6747	7 SIERR	A CT., S	UITE J, DUI	BLIN CA S	456B	
Suite 400 Son Romon, CA 9		1	nt Conf	tact	MR. DAVID	B. DEW										/ons) 551-		_ Fax			9
Sun Rolling CA S	94303	Pho			(925) 277-	-2384												E A-	- Fax -	in		
	Containers	A = Air C = Charcoal	srvation		400 Hra)	X/MTBE 218		w/Silico gel		K/MTBE	CENATES		PREASE	Z	TE/ALKALINITY SS							Remerks
SAMPLE 10	Number of C Matrix	S = Solf W = Water (Sample Preservation		Date/Time (2400 Hrs)	TPH-CAS/BTEX/MTBE EPA 8015/80218	TPH-DESEL	TPH-DIESEL	TPH-GAS EPA 8015	TPH-CAS/BREX/MIBE EPA 8280	EPA 8260	METHANOL EPA 8015	TOTAL OIL & GREASE EPA 5520	METALS Od, Gr, Pb, Zn, NI	NITRATE/SULFATE/ALKALINITY EPA 300 SERIES	HVOC'S (8010) EPA 80218	VOC'S (9240) EPA 8260	SVOC'S EPA 8270				Run 8 Oxy's to 8260 on highe 8021 MTBE h
QA	1	w	HCC	├	7-02	\																
<u>U-1</u>	3		/		230	~]
U-3	3		,	1, 1	153																	
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											• 1											1 - MTBE 2 - TBA
																				1		3 - TAME 4 - DIPE
-					_								$\neg \neg$									5 - ETBE 8 - 1,2-DCA
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linquished By (Sign		1	Orga	nization	Dote/π 9 - 1 7.	me 13 cd	Rece	ived By	(Signal	ture)	<u>_</u> _	Orgon	nizetion	Oate	s/Time		lced(Y/	N	Turn	24	Hra.	cle Choice)
linquished By (Sign			Orga	nization	Date/Ti	me	Rece	ived By	(Signat	ture)		Organ	nization	Deta	/Time		ced Y/	N			Hre. Hre.	5.0°c
linguished By (Signa			0	nizotion	Date/Til		B*	- mail = 1	. 1 - 1	Ann P	/61	<u></u>		F.J.	/tt					. 5	Days	•
	·m·A)		0,90	102 440 11	0300/10	1145	149CM	-VOU FO		atory By	(signo	mio)		- 1	/Time \7-02_	- 1	666 Y/I 나 <u>(3</u> 8	ŀ			Days intractor	

LABORATORY

STL San Francisco 1220 Quarry Ln Pleasanton CA 94566

Tel.: (925) 484-1919 Fax: (925) 484-1096 www.sti-inc.com www.chromalab.com

CA DHS ELAP#:2496

Gettler Ryan

6747 Sierra Court Suite J Dublin, CA 94568

Attn.:

Deanna Harding

Project#:

180109.80

Project:

Tosco #5760

Site:

376 Lewelling Ave.

San Lorenzo, CA

GETTLEK-KTAIN IN

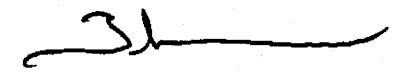
Dear Ms. Harding,

Attached is our report for your samples received on 09/17/2002 14:30 This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/01/2002 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@chromalab.com Sincerely,



Tod Granicher Project Manager

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding 6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180109.80

Tosco #5760

TRENT

LABORATORY

SEVERN

STL San Francisco 1220 Quarry Lane Pleasanton, CA 94566

Tel: (925) 484-1919 Fax: (925) 484-1096 www.stl-inc.com www.chromalab.com

CA DHS ELAP# 2496

Received: 09/17/2002 14:30

Site: 376 Lewelling Ave. San Lorenzo, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab#
QA	09/17/2002	Water	1
U-1	09/17/2002 12:30	Water	2
U-3	09/17/2002 11:53	Water	3

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding 6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180109.80

Tosco #5760

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CA DHS ELAP# 2496

Received: 09/17/2002 14:30

Site: 376 Lewelling Ave.

San Lorenzo, CA

F. 400 . A C. 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	CONTRACTOR OF THE PROPERTY OF
Prep(s): 5030B Test(s): 8	The state of the s
Prep(s): 5030B: 1 8	260FA8
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Sample ID: QA	002-09-0372 - 1
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	With Hard Street
Sampled: 09/17/2002 Extracted: 9	/27/2002 14:46
	aribane danca (C. 1) Tabura 100 Celiust India 82 (C. 16 Calius (C. 17)
Matrix: Water OC Batch# 2	and the set of the set of the control of the set of the
Matrix: Water OC Batch# 2	
	002/09/27-01.62
	in print comment in the little comment of the comme
mark and mark and mark and mark and the control of	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/27/2002 14:46	
Benzene	ND	0.50	ug/L	1.00	09/27/2002 14:46	
Toluene	0.66	0.50	ug/L	1.00	09/27/2002 14:46	
Ethylbenzen e	ND	0.50	ug/L	1.00	09/27/2002 14:46	
Total xylenes	ND	1.0	ug/L	1.00	09/27/2002 14:46	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	1.00	09/27/2002 14:46	
Surrogates(s)						
1,2-Dichloroethane-d4	85.7	76-114	%	1.00	09/27/2002 14:46	
Toluene-d8	98.8	88-110	%	1.00	09/27/2002 14:46	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180109.80

Tosco #5760

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CA DHS ELAP# 2496

Received: 09/17/2002 14:30

Site: 376 Lewelling Ave.

San Lorenzo, CA

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MAGNETICAL PROGRAMMENT OF THE SECOND OF THE SECOND PROGRAMMENT OF THE	The real property of the contract of the contr
Prep(s): 22 5030B 4-3030B 4-3050 4-3 405 4-3 405 4-3 405 4-3 405 4-3 405 4-3 405 4-3 405 4-3 405 4-3 405 4-3 4	
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Sample ID: U.1	610 B 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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TATAL CONTROL OF THE PROPERTY	
Sampled: 09/17/2002 12:30	tracted 9/80/2002 11:55
	MOUGUM STOUZOUZ I NOT THE STORY
THE PROPERTY OF THE ARTER AND THE PROPERTY OF	
Matrix: Water	
	C Batch#: 2002/09/30-01-62
Analysis Flag: o (See Legend and Note Section).	
	iki adalisi da kara dine a kara kerpemaikan nini sara da maji menji mbala da kara kara da kerpenjian da kara bi
4.00mm 1.00mm	erregrammen anderson versenders and vinderanders are self-a tention and appropriately form being from the analysis and the self-and the

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4200	250	ug/L	5.00	09/30/2002 11:55	
Benzene	ND	2.5	ug/L	5.00	09/30/2002 11:55	
Toluene	ND	2.5	ug/L	5.00	09/30/2002 11:55	
Ethylbenzene	120	2.5	ug/L	5.00	09/30/2002 11:55	
Total xylenes	43	5.0	ug/L	5.00	09/30/2002 11:55	
tert-Butyl alcohol (TBA)	ND	500	ug/L	5.00	09/30/2002 11:55	
Methyl tert-butyl ether (MTBE)	280	10	ug/L	5.00	09/30/2002 11:55	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	5.00	09/30/2002 11:55	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	5.00	09/30/2002 11:55	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	5.00	09/30/2002 11:55	
1,2-DCA	ND	10	ug/L	5.00	09/30/2002 11:55	
EDB	ND	10	ug/L	5.00	09/30/2002 11:55	
Ethanol	ND	2500	ug/L	5.00	09/30/2002 11:55	
Surrogates(s)						
1,2-Dichloroethane-d4	89.6	76-114	%	5.00	09/30/2002 11:55	
Toluene-d8	97.3	88-110	%	5.00	09/30/2002 11:55	

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

Attn.: Deanna Harding 6747 Sierra Court Suite J

Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180109.80

Tosco #5760

Received: 09/17/2002 14:30

Site: 376 Lewelling Ave.

San Lorenzo, CA

SEVERN TRENT LABORATORY

STL San Francisco 1220 Quarry Lane Pleasanton, CA 94566

Tel: (925) 484-1919 Fax: (925) 484-1096 www.stl-inc.com www.chromalab.com

CA DHS ELAP# 2496

Prep(s):		
		unsimilar in the Test(s): 4 8260FAB (4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Sample ID: I		
		Lab ID: 2002-09-0372-3
	09/17/2002 11:53	
		Extracted 9/27/2002 15:52
Matrix:	Water	QC Batch#: 2002/09/27-01 62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/27/2002 15:52	
Benzene	ND	0.50	ug/L	1.00	09/27/2002 15:52	
Toluene	ND	0.50	ug/L	1.00	09/27/2002 15:52	
Ethylbenzene	ND	0.50	ug/L	1.00	09/27/2002 15:52	
Total xylenes	ND	1.0	ug/L	1.00	09/27/2002 15:52	
Methyl tert-butyl ether (MTBE)	2.0	2.0	ug/L	1.00	09/27/2002 15:52	
Surrogates(s)						
1,2-Dichloroethane-d4	90.3	76-114	%	1.00	09/27/2002 15:52	
Toluene-d8	99.1	88-110	%	1.00		

Gas/BTEX Fuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Received: 09/17/2002 14:30

Site: 376 Lewelling Ave. San Lorenzo, CA

	Bato	h QC Report						
Prep(s): 5030B Method Blank MB: 2002/09/27-01.62-006		Water	Do	Test(s): 8260FAB QC Batch # 2002/09/27-01.62 Date Extracted: 09/27/2002 11:06				
Compound	Conc.	RL	Unit	Analyzed	Flag			
Gasoline	ND	50	ug/L	09/27/2002 11:06				
Benzene	ND	0.5	ug/L	09/27/2002 11:06				
Toluene	ND	0.5.	ug/L	09/27/2002 11:06				
Ethylbenzene	ND	0.5	ug/L	09/27/2002 11:06				
Total xylenes	ND	1.0	ug/L	09/27/2002 11:06				
tert-Butyl alcohol (TBA)	ND ,	100	ug/L	09/27/2002 11:06				
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L ,	09/27/2002 11:06				
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/27/2002 11:06				
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/27/2002 11:06				
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/27/2002 11:06	-			
1,2-DCA	ND	2.0	ug/L	09/27/2002 11:06				
EDB	ND	2.0	ug/L	09/27/2002 11:06				
Ethanol	ND	500	ug/L	09/27/2002 11:06				
Surrogates(s)								
1,2-Dichloroethane-d4	90.6	76-114	%	09/27/2002 11:06				
Toluene-d8	98.3	88-110	%	09/27/2002 11:06				

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Dublin, CA 94568

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Project: 180109.80

Tosco #5760

Received: 09/17/2002 14:30

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San Lorenzo, CA

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CA DHS ELAP# 2496

Batch QC Report								
Prep(s): 5030B Method Blank MB: 2002/09/30-01.62-011		Water	D	Test(s): 8260FAB QC Batch # 2002/09/30-01.62 Date Extracted: 09/30/2002:11:11				
Compound	Conc.	RL	Unit	Analyzed	Flag			
Gasoline	ND	50	ug/L	09/30/2002 11:11				
Benzene	ND	0.5	ug/L	09/30/2002 11:11				
Toluene	ND	0.5	ug/L	09/30/2002 11:11				
Ethylbenzene	ND	0.5	ug/L	09/30/2002 11:11				
Total xylenes	ND	1.0	ug/L	09/30/2002 11:11				
tert-Butyl alcohol (TBA)	ND	100	ug/L	09/30/2002 11:11				
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/L	09/30/2002 11:11				
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/30/2002 11:11				
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/30/2002 11:11				
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/30/2002 11:11				
1,2-DCA	ND	2.0	ug/L	09/30/2002 11:11				
EDB	ND	2.0	ug/L	09/30/2002 11:11				
Ethanol	ND	500	ug/L	09/30/2002 11:11				
Surrogates(s)								
1,2-Dichloroethane-d4	82.4	76-114	%	09/30/2002 11:11				
Toluene-d8	97.5	88-110	%	09/30/2002 11:11				

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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Dublin, CA 94568

Phone: (925) 551-7444 Fax: (925) 551-7899

Project: 180109.80

Tosco #5760

SEVERN TRENT^e LABORATORY

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CA DHS ELAP# 2496

Received: 09/17/2002 14:30

Site: 376 Lewelling Ave. San Lorenzo, CA

			Batch QC Re	port	Table Fully			120012	19-113 g hi mi			
. Prep(s): 5030B								Tes	t(s): 82	60FAB		
Laboratory Control Spik	e		Wate			Q	C Batch	# 200	2/09/27	-01.62		
LCS 2002/09/27-01. LCSD 2002/09/27-01.	in percent alta in the		Extracted: (Extracted: (ertsam i Carani d'Elenio.	Committee of the Edition	Analyze Analyze					
Compound	Conc.	ug/L	/L Exp.Conc. Recovery		Recovery		Recovery		Ctrl.Lin	nits %	Fla	egs
·	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD		
Benzene	21.7	21.7	25.0	86.8	86.8	0.0	69-129	20	•			
Toluene	24.2	21.7 24.9	25.0 25.0	86.8 96.8	86.8 99.6	0.0 2.9	69-129 70-130	20 20	•			
	24.2	,,			I							

Gas/BTEX Fuel Oxygenates by 8260B

Gettler Ryan

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CA DHS ELAP# 2496

			Batch QC Re	port		719 19			o Sulfis	
Prep(s): 5030B								Te:	st(s): 82	60FAB
Laboratory Control Spik	. 20 40 420 C		Wate			Q	C Batch	# 200)2/09/3()-01.62
LCS 2002/09/30-01. LCSD 2002/09/30-01.	BUANS TORK		Extracted: Extracted:	11,74 - 6 1 2 1 2 1 1			Analyze Analyże	200	GANAMANTON CAR	2 10:28 2 10:49
Compound	Conc.	ug/L	Exp.Conc. Recovery		overy	RPD Ctrl.Limits 9			Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene Toluene Methyl tert-butyl ether (MTBE)	20.2 23.2 22.4	20.0 24.0 21.0	25.0 25.0 25.0	80.8 92.8 89.6	80.0 96.0 84.0	1.0 3.4 6.5	69-129 70-130 65-165	20 20 20		
Surrogates(s) 1,2-Dichloroethane-d4 Toluene-d8	468 484	454 502	500 500	93.6 96.8	90.8 100.4		76-114 88-110			

Gas/BTEX Fuel Oxygenates by 8260B

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CA DHS ELAP# 2496

Legend and Notes

Analysis Flag

0

Reporting limits were raised due to high level of analyte present in the sample.