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NORTHWEST REGION

DATE: September 10, 2002

**CONOCOPHILLIPS CORPORATION
GROUNDWATER MONITORING REPORT**

Site No.: 5353 Address: 600 Westlake Avenue North, Seattle, Washington
ConocoPhillips Project Manager: Timothy D. Johnson
Consultant/Contact Person: Environmental Resolutions, Inc./James S. Matthiessen
Primary Agency/Regulatory ID No.: Washington State Department of Ecology

WORK PERFORMED THIS QUARTER(S) [Second - 2002]:

- Monitored, purged, and sampled 7 groundwater monitoring wells.

WORK PROPOSED FOR NEXT QUARTER [Third - 2002]:

- Monitor, purge, and sample 19 groundwater monitoring wells.

SUMMARY:

Frequency of Sampling Events:	<u>Quarterly</u>	(Quarterly, etc.)
Approximate Depth to Groundwater:	<u>9 to 12 feet</u>	(Measured Feet)
Groundwater Gradient:	<u>Not Determined</u>	(Direction)
	<u>Not Determined</u>	(Magnitude)
Maximum TPH-G/Benzene Concentrations:	<u>205,000/2,820</u>	(ppb)
Measurable Free Product Detected:	<u>No</u>	(Yes - ID well(s)/No)
Free Product Recovered This Quarter:	<u>Unknown</u>	(gallons)
Cumulative Free Product Recovered to Date:	<u>Unknown</u>	(gallons)
Bulk Soil Removed This Quarter:	<u>None</u>	(cubic yards)
Water Wells or Surface Waters w/in 2,000 ft:	<u>Lake Union, 400 ft</u>	(Distance &
Radius and Respective Direction:	<u>North</u>	Direction)
Current Remedial Action:	<u>VES/EFRT</u>	(SVE/AS/P&T etc.)
Permits for Discharge:	<u>PSAPCA No. 4397</u>	(NPDES, POTW, etc.)

DISCUSSION:

- All 7 wells sampled contained hydrocarbon concentrations exceeding MTCA Method A Cleanup Levels.

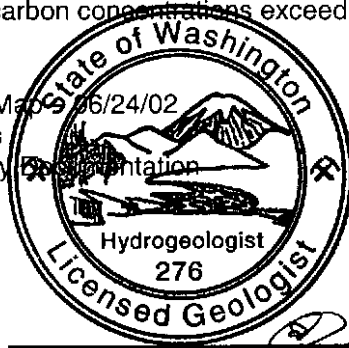
ATTACHMENTS:

- Plate 1: Groundwater Sample Analysis Map 06/24/02
- Table 1: Groundwater Analytical Results
- Laboratory Reports and Chain of Custody Documentation
- Field Data Records

Prepared By:

John H. McCorkle

John H. McCorkle
Environmental Technician



JOHN K. MEYER

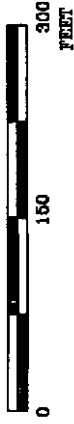
Reviewed By:

John K. Meyer

John K. Meyer, R.G.
Branch Manager

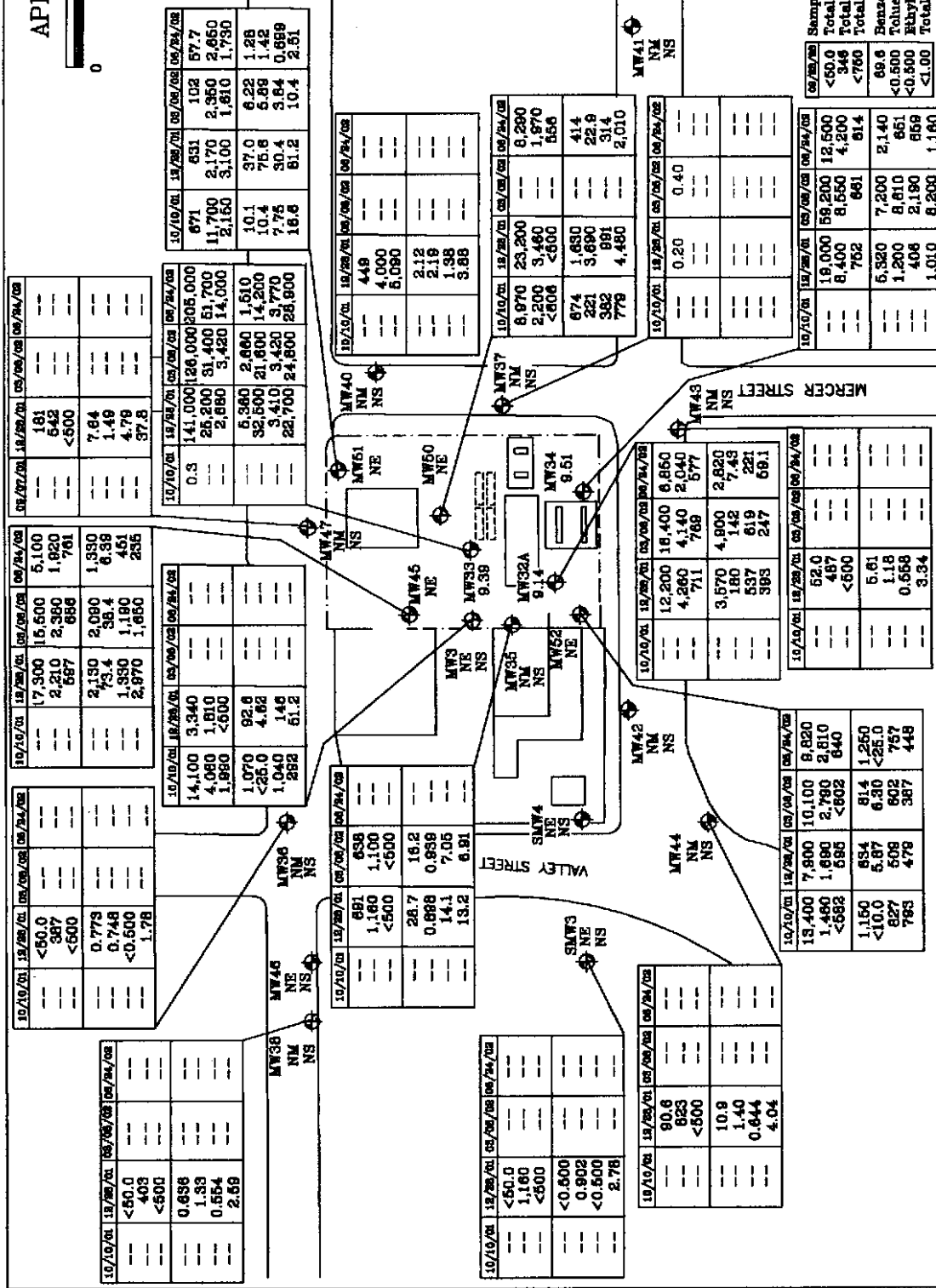
cc: Washington State Department of Ecology, Northwest Regional Office
Dave Cook, GeoEngineers

APPROXIMATE SCALE



TERRY AVENUE NORTH

WESTLAKE AVENUE NORTH



Laboratory Results
in ug/L (ppb)

Sample Date
Total Petroleum Hydrocarbons as Gasoline
Total Petroleum Hydrocarbons as Diesel
Total Petroleum Hydrocarbons as Oil
Benzene
Toluene
Ethylbenzene
Total Xylenes <1.00 = Less than the Stated Laboratory Reporting Limit

SOURCE: Modified from maps provided by Toseco Corporation

FN 311803WS

EXPLANATION

- MW37 Groundwater Monitoring Well
- 9.70 Groundwater Elevation
- 0.01 Free Product Thickness in Feet
- NM Not Measured
- NE Not Established
- NS Not Sampled
- Groundwater elevation corrected for free product, where applicable.

GROUNDWATER SAMPLE ANALYSIS MAP - 06/24/02

TOSCO SITE NO. 5353

600 Westlake Avenue North
Seattle, Washington



PROJECT NO.

31020

PLATE

1

DATE: 07/18/02

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Site No. 5353
600 Westlake Avenue North
Seattle, Washington
Page 1 of 7

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	
SMW3 NE	03/08/95	10.25	0.00	--	<50	400	2,600	<0.5	<0.5	<0.5	<1.0	
	06/06/95	10.23	0.00	--	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	
	09/07/95	10.89	0.00	--	<50	300	<750	<0.5	<0.5	<0.5	<1.0	
	12/08/95	10.36	0.00	--	<50	300	<750	<0.5	<0.5	<0.5	<1.0	
	04/01/96	10.07	0.00	--	34,000	4,000	2,300	6,400	42	2,100	3,000	
	06/25/96	10.19	0.00	--	<50.0	320	<750	<0.500	<0.500	<0.500	<1.00	
	09/27/96	11.12	0.00	--	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
	03/28/97	10.19	0.00	--	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
	06/30/97 ^{NP}	10.14	0.00	--	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
	09/09/97 ^{NP}	10.85	0.00	--	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
	12/19/97 ^{NP}	9.67	0.00	--	<50.0	521	<750	<0.500	<0.500	<0.500	<1.00	
	03/16/98 ^{NP}	9.28	0.00	--	50.1	<250	<750	<0.500	<0.500	<0.500	<1.00	
	06/26/98 ^{NP}	8.87	0.00	--	<50.0	500	<750	<0.500	<0.500	<0.500	<1.00	
	09/23/98 ^{NP}	9.88	0.00	--	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
	12/17/98 ^{NP}	9.22	0.00	--	<50.0	293	<750	<0.500	<0.500	<0.500	<1.00	
	03/31/99 ^{NP}	9.01	0.00	--	<50.0	360	<750	<0.500	<0.500	0.526	4.97	
	06/30/99 ^{NP}	9.55	0.00	--	<50.0	639	<750	<0.500	0.609	<0.500	1.32	
	12/08/99 ^{NP}	8.75	0.00	--	<50.0	484	<1,450	<0.500	<0.500	<0.500	<1.00	
	06/20/00 ^{NP}	8.89	0.00	--	<50.0	<250	<750	<0.500	0.585	<0.500	1.86	
	12/19/00	NM	--	--	--	--	--	--	--	--	--	
	06/15/01 ^{NP}	7.23	0.00	--	<50.0	368	<888	<0.500	<0.500	<0.500	<1.00	
	06/26/01	NM	--	--	--	--	--	--	--	--	--	
	09/07/01 ^{NP}	9.19	0.00	--	<50.0	385	<571	<0.500	<0.500	<0.500	<1.00	
	10/10/01	NM	--	--	--	--	--	--	--	--	--	
	12/28/01	8.89	0.00	--	<50.0	1,160	<500	<0.500	0.902	<0.500	2.78	
	03/08/02	NM	--	--	--	--	--	--	--	--	--	
	06/24/02	NM	--	--	--	--	--	--	--	--	--	
	SMW4 NE	03/08/95	8.14	0.00	--	39,000	4,100	5,100	13,000	<250	2,400	8,200
		06/06/95	8.90	0.00	--	41,000	8,600	<750	9,400	44	2,700	4,900
		09/07/95	8.99	0.00	--	--	--	--	--	--	--	--
12/08/95		7.56	0.00	--	40,000	1,800	920	8,100	57	2,600	3,600	
04/01/96		8.13	0.00	--	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	
06/25/96		8.20	0.00	--	28,100	2,680	830	5,800	81.4	1,710	1,710	
09/27/96		8.62	0.00	--	28,600	2,460	<750	6,090	<0.500	2,080	1,730	
03/28/97		8.20	0.00	--	--	--	--	--	--	--	--	
06/30/97		8.06	0.00	--	--	--	--	--	--	--	--	
09/08/97		9.00	0.00	--	--	--	--	--	--	--	--	
12/19/97		9.41	0.04	LPH Present	--	--	--	--	--	--	--	
03/16/98		9.09	0.00	--	--	--	--	--	--	--	--	
06/26/98		8.76	Trace	LPH Present	--	--	--	--	--	--	--	
09/23/98		9.96	0.05	LPH Present	--	--	--	--	--	--	--	
12/17/98		10.22	Trace	LPH Present	--	--	--	--	--	--	--	
03/31/99		8.70	Trace	LPH Present	--	--	--	--	--	--	--	
06/30/99		8.20	Trace	LPH Present	--	--	--	--	--	--	--	
12/08/99		Inaccessible	--	--	--	--	--	--	--	--	--	
06/20/00		Inaccessible	--	--	--	--	--	--	--	--	--	
12/19/00		Inaccessible	--	--	--	--	--	--	--	--	--	
06/15/01		Inaccessible	--	--	--	--	--	--	--	--	--	
06/26/01		NM	--	--	--	--	--	--	--	--	--	
09/07/01		Inaccessible	--	--	--	--	--	--	--	--	--	
10/10/01		NM	--	--	--	--	--	--	--	--	--	
12/28/01	Inaccessible	--	--	--	--	--	--	--	--	--		
03/08/02	NM	--	--	--	--	--	--	--	--	--		
06/24/02	NM	--	--	--	--	--	--	--	--	--		
MW3 NE	10/10/01	10.11	0.00	--	14,100	4,060	1,990	1,070	<25.0	1,040	292	
	12/28/01	9.61	0.00	--	3,340	1,810	<500	92.6	4.62	146	51.2	
	03/08/02	NM	--	--	--	--	--	--	--	--	--	
	06/24/02	NM	--	--	--	--	--	--	--	--	--	
MTCA Method A Cleanup Level					1,000 ^a	5	40	30	20			

Continued on Page 2.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Site No. 5353
600 Westlake Avenue North
Seattle, Washington
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Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
MW32A 20.70	03/08/95	11.29	0.00	9.69	21,000	2,300	2,300	5,800	1,700	990	2,900
	06/06/95	--	--	--	--	--	--	--	--	--	--
	09/07/95	11.27	--	9.43	20,000	2,500	1,600	4,200	470	730	2,000
	12/08/95	10.61	--	10.06	11,900	1,200	<750	1,600	86	420	910
	04/01/96	10.90	--	9.80	7,900	1,400	1,000	2,200	58	300	480
	06/25/96	10.98	--	9.72	7,500	1,250	<750	1,200	60.4	217	435
	09/27/96	11.37	--	9.61	7,050	1,040	<750	1,570	37.4	264	416
	03/28/97	11.26	--	9.72	--	--	--	--	--	--	--
	06/30/97	10.89	--	--	--	--	--	--	--	--	--
	09/08/97	11.67	0.00	9.31	--	--	--	--	--	--	--
	12/19/97	11.42	0.00	9.28	--	--	--	--	--	--	--
	03/16/98	11.30	0.00	9.40	--	--	--	--	--	--	--
	06/26/98	11.29	0.00	9.41	--	--	--	--	--	--	--
	09/23/98	11.97	0.00	8.73	--	--	--	--	--	--	--
	12/17/98	11.09	0.00	9.61	--	--	--	--	--	--	--
	03/31/99	10.47	0.00	10.23	--	--	--	--	--	--	--
	06/30/99	9.60	0.00	11.10	--	--	--	--	--	--	--
	12/08/99	11.07	0.00	9.63	--	--	--	--	--	--	--
	06/20/00	11.40	0.00	9.30	--	--	--	--	--	--	--
	12/19/00 ^{NP}	10.90	0.00	9.80	7,010	1,740	<750	4,430	136	436	182
06/15/01 ^{NP}	11.31	0.00	9.39	13,700	2,610	<846	2,970	11.2	272	311	
06/26/01 ^{NP}	11.85	0.00	8.85	15,800	1,620	<750	8,780	1,110	1,230	1,020	
09/07/01 ^{NP}	10.81	0.00	9.89	17,100	1,420	822	5,870	19.9	684	110	
10/10/01	NM	--	--	--	--	--	--	--	--	--	--
12/28/01	11.29	0.00	9.41	12,200	4,260	711	3,570	180	537	593	
03/08/02	11.49	0.00	9.21	16,400	4,140	769	4,900	142	619	247	
06/24/02	11.56	0.00	9.14	6,850	2,040	577	2,820	7.43	221	691	
MW33 20.75	03/08/95	11.16	0.00	9.73	4,900	1,400	2,000	950	<25	320	420
	06/06/95	--	--	--	--	--	--	--	--	--	--
	09/07/95	11.20	0.00	9.55	9,700	1,400	820	550	140	230	620
	12/08/95	--	--	--	13,000	1,900	1,800	800	240	280	760
	04/01/96	11.00	0.00	9.75	5,200	960	<750	630	33	130	270
	06/25/96	11.05	0.00	9.70	2,700	1,030	<750	280	24.6	46.5	61.1
	09/27/96	11.13	0.00	9.76	8,180	1,190	<750	1,190	237	86.3	272
	03/28/97	11.19	0.00	9.70	--	--	--	--	--	--	--
	06/30/97	10.68	0.00	10.23	--	--	--	--	--	--	--
	09/08/97	10.48	0.00	10.41	--	--	--	--	--	--	--
	12/19/97	--	--	--	--	--	--	--	--	--	--
	03/16/98	--	--	--	--	--	--	--	--	--	--
	06/26/98	11.18	0.00	9.57	--	--	--	--	--	--	--
	09/23/98	11.90	0.00	8.85	--	--	--	--	--	--	--
	12/17/98	11.03	0.00	9.72	--	--	--	--	--	--	--
	03/31/99	10.38	0.00	10.37	--	--	--	--	--	--	--
	06/30/99	9.52	0.00	11.23	--	--	--	--	--	--	--
	12/08/99	10.97	0.00	9.78	--	--	--	--	--	--	--
	06/20/00	11.33	0.00	9.42	--	--	--	--	--	--	--
	12/19/00	Inaccessible	--	--	--	--	--	--	--	--	--
06/15/01	12.72	2.50	10.16	LPH Present	--	--	--	--	--	--	--
06/26/01	NM	--	--	--	--	--	--	--	--	--	--
09/07/01	NM	8.3	--	--	LPH Present	--	--	--	--	--	--
10/10/01	NM	--	--	--	--	--	--	--	--	--	--
12/28/01	11.21	0.00	9.54	141,000	25,200	2,980	6,380	32,600	3,410	22,700	
03/08/02	11.37	0.00	9.38	125,000	31,400	3,420	2,880	21,800	5,420	24,800	
06/24/02	11.36	0.00	9.39	205,000	51,700	14,000	1,510	14,200	3,770	28,900	
MW34 21.42	03/08/95	11.62	0.00	10.08	8,200	1,100	480	2,400	1,500	250	1,300
	06/06/95	11.73	0.00	9.97	8,100	2,300	<750	4,200	1,000	330	1,200
	09/07/95	11.57	0.00	9.85	16,000	1,800	930	4,800	2,300	580	2,000
	12/08/95	10.92	0.00	10.50	88,000	2,900	1,600	12,000	9,200	1,200	5,800
	04/01/96	11.21	0.00	10.21	18,000	1,900	<750	5,800	580	520	1,200
	06/25/96	11.19	0.00	10.23	13,700	1,180	<750	4,190	1,110	383	1,740
	09/27/96	11.58	0.00	10.12	16,300	1,030	<750	5,010	2,820	841	1,310
	03/29/97	11.47	0.00	10.23	--	--	--	--	--	--	--
	06/30/97 ^{NP}	11.19	0.00	10.51	2,970	311	<750	1,930	15.7	271	631
	09/08/97 ^{NP}	11.74	0.00	9.96	8,380	455	<750	3,920	645	867	1,270
	12/19/97	NM	--	--	--	--	--	--	--	--	--
	03/16/98	NM	--	--	--	--	--	--	--	--	--
	06/26/98 ^{NP}	11.42	0.00	10.00	76,900	3,990	<750	13,400	11,100	2,310	9,080
	09/23/98 ^{NP}	12.23	0.00	9.19	9,040	3,000	798	3,540	243	636	1,850
	12/17/98 ^{NP}	11.35	0.00	10.07	80,900	5,470	1,380	14,200	10,800	3,110	11,800
	03/31/99 ^{NP}	10.85	0.00	10.57	33,400	1,910	<750	5,970	1,740	1,400	3,820
	06/30/99 ^{NP}	10.18	0.00	11.24	28,500	4,840	884	4,340	1,320	1,480	3,810
	12/08/99 ^{NP}	11.33	0.00	10.09	62,400	2,590	<1,360	12,900	7,440	3,240	9,210
	06/20/00 ^{NP}	11.68	0.00	9.74	25,000	<250	<750	6,380	480	2,190	3,930
	12/19/00	NM	--	--	--	--	--	--	--	--	--
06/15/01 ^{NP}	11.85	0.00	9.57	28,800	4,780	<883	5,300	80.0	1,830	2,190	
06/26/01	NM	--	--	--	--	--	--	--	--	--	
09/07/01 ^{NP}	11.86	0.00	9.58	17,800	4,510	721	3,540	44.9	1,610	2,160	
10/10/01	NM	--	--	--	--	--	--	--	--	--	
12/28/01	11.48	0.00	9.96	19,000	8,400	752	5,320	1,200	486	1,010	
03/08/02	11.70	0.00	9.72	59,200	8,550	661	7,200	8,610	2,190	8,200	
06/24/02	11.91	0.00	9.51	12,500	4,200	614	2,140	651	659	1,160	

MTCA Method A Cleanup Level
Continued on Page 3.

1,000^B 5 40 30 20

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Site No. 5353
600 Westlake Avenue North
Seattle, Washington
Page 3 of 7

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	
MW35 20.10	03/08/95	10.67	0.00	9.60	2,800	1,200	1,300	400	<25	120	83	
	06/06/95	10.67	0.00	9.60	810	1,000	890	82	1.4	27	36	
	09/07/95	10.87	0.00	9.43	--	--	--	--	--	--	--	
	12/08/95	--	--	--	--	--	--	--	--	--	--	
	04/01/96	--	--	--	--	--	--	--	--	--	--	
	06/25/96	11.11	0.00	8.99	1,620	850	<750	58.2	1.11	26.7	17.6	
	09/27/96	10.84	0.00	8.63	958	524	<750	38.8	0.990	10.4	6.18	
	03/28/97 ^{NP}	11.28	0.00	8.99	1,370	333	<750	161	2.36	31.9	10.7	
	03/28/97	11.28	0.00	8.99	11,800	<250	<750	250	2.62	49.1	8.04	
	06/30/97 ^{NP}	10.19	0.00	10.08	1,900	<250	<750	348	<2.50	85	7.31	
	09/08/97 ^{NP}	10.86	0.00	9.41	4,200	<250	<750	1,460	16.2	231	68.2	
	12/19/97	NM	--	--	--	--	--	--	--	--	--	
	03/16/98 ^{NP}	10.64	0.00	9.46	805	361	<750	410	4.24	<2.50	<5.00	
	06/26/98 ^{NP}	10.65	0.00	9.45	1,300	682	<750	600	<10.0	45.1	<20.0	
	09/23/98 ^{NP}	11.38	0.00	8.72	665	859	<750	243	<2.50	<2.50	<5.00	
	12/17/98 ^{NP}	10.49	0.00	9.81	699	572	<750	402	<2.50	10.8	9.99	
	03/31/99	Obstructed by vehicle	--	--	--	--	--	--	--	--	--	
	06/30/99	Obstructed by vehicle	--	--	--	--	--	--	--	--	--	
	12/08/99	Obstructed by vehicle	--	--	--	--	--	--	--	--	--	
	06/20/00	Obstructed by vehicle	--	--	--	--	--	--	--	--	--	
	12/19/00	Obstructed by vehicle	--	--	--	--	--	--	--	--	--	
	06/15/01	NM	--	--	--	--	--	--	--	--	--	
	06/26/01 ^{NP}	10.60	0.00	9.50	504	464	<750	11.3	27.5	5.52	28.4	
	09/04/01 ^{NP}	10.54	0.00	9.56	261	263	<564	2.36	<0.500	<0.500	<1.00	
	10/10/01	NM	--	--	--	--	--	--	--	--	--	
	12/28/01	10.54	0.00	9.56	691	1,160	<500	26.7	0.898	14.1	13.2	
	03/08/02	10.72	0.00	9.38	638	1,100	<500	16.2	0.939	7.05	6.91	
	06/24/02	Obstructed by vehicle	--	--	--	--	--	--	--	--	--	
	MW36 17.80	03/08/95	9.07	0.00	8.97	<50	580	1,200	2.8	<0.5	<0.5	<1.0
		06/06/95	7.92	0.00	10.12	<50	<250	<750	1	<0.5	<0.5	<1.0
09/07/95		8.11	0.00	9.69	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	
12/08/95		9.00	0.00	8.80	<50	519	1,200	1.1	<0.5	<0.5	<1.0	
04/01/96		9.00	0.00	8.80	<50	<250	<750	<0.5	<0.5	<0.5	<1.0	
06/25/96		8.97	0.00	--	<50.0	<250	<750	0.58	0.500	<0.500	<1.00	
09/27/96		7.53	0.00	10.51	<50.0	<250	<750	1.18	<0.500	<0.500	<1.00	
03/28/97		9.21	0.00	8.83	<50.0	<250	<750	0.810	<0.500	<0.500	<1.00	
06/30/97 ^{NP}		8.88	0.00	11.16	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
09/08/97 ^{NP}		9.21	0.00	8.83	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
12/19/97 ^{NP}		10.09	0.00	7.71	<50.0	<250	<750	0.606	<0.500	<0.500	<1.00	
03/16/98 ^{NP}		9.29	0.00	8.51	56.6	287	<750	<0.500	<0.500	<0.500	<1.00	
06/26/98 ^{NP}		8.47	0.00	9.33	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
09/23/98 ^{NP}		9.89	0.00	7.91	<50.0	<250	<750	0.737	<0.500	<0.500	1.13	
12/17/98 ^{NP}		10.00	0.00	7.80	<50.0	288	<750	0.533	<0.500	<0.500	<1.00	
03/31/99 ^{NP}		8.96	0.00	8.84	<50.0	321	<750	0.759	<0.500	<0.500	<1.00	
06/30/99 ^{NP}		8.44	0.00	9.36	<50.0	<250	<750	1.29	<0.500	<0.500	<1.00	
12/08/99 ^{NP}		10.05	0.00	7.75	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
06/20/00 ^{NP}		8.47	0.00	9.33	172	<250	<750	<0.500	0.583	1.78	11.1	
12/19/00 ^{NP}		9.50	0.00	8.30	106	<250	<750	0.529	1.51	1.08	7.14	
06/15/01 ^{NP}		8.00	0.00	9.80	<50.0	298	<750	0.691	0.648	0.530	1.53	
06/26/01		NM	--	--	--	--	--	--	--	--	--	
09/07/01 ^{NP}		8.70	0.00	9.10	<50.0	<250	<500	0.897	<0.500	<0.500	<1.00	
10/10/01		NM	--	--	--	--	--	--	--	--	--	
12/29/01		9.57	0.00	8.23	<50.0	387	<500	0.773	0.748	<0.500	1.78	
03/08/02		NM	--	--	--	--	--	--	--	--	--	
06/24/02		NM	--	--	--	--	--	--	--	--	--	
MW37 21.01		03/08/95	11.94	0.00	9.24	34	3,200	1,400	3,100	2,400	1,200	6,700
		06/06/95	11.76	0.01	9.43	45	4,800	2,800	3,700	2,400	1,300	7,900
		06/06/95	11.76	0.01	9.43	90	--	--	5,100	6,800	2,400	14,000
	09/07/95	11.17	0.00	9.84	--	--	--	--	--	--	--	
	12/08/95	10.22	0.00	10.79	--	--	--	--	--	--	--	
	04/01/96	10.79	0.02	10.22	LPH Present	--	--	--	--	--	--	
	06/25/96	10.82	0.20	10.19	LPH Present	--	--	--	--	--	--	
	09/27/96	11.47	0.05	9.75	LPH Present	--	--	--	--	--	--	
	03/28/97 ^{NP}	11.14	0.25	10.40	60,100	7,570	780	1,530	2,180	1,850	7,440	
	03/28/97	11.14	0.25	10.40	297,900	45,100	<8,250	6,570	13,200	4,830	22,900	
	06/30/97	10.80	0.02	10.23	LPH Present	--	--	--	--	--	--	
	09/08/97	11.41	0.23	9.77	LPH Present	--	--	--	--	--	--	
	12/19/97	11.28	0.02	9.75	LPH Present	--	--	--	--	--	--	
	03/16/98	11.11	0.01	9.91	LPH Present	--	--	--	--	--	--	
	06/26/98	11.32	0.01	9.70	LPH Present	--	--	--	--	--	--	
	09/23/98	12.01	0.83	9.03	LPH Present	--	--	--	--	--	--	
	12/17/98	11.00	Trace	10.01	LPH Present	--	--	--	--	--	--	
	03/31/99	--	Trace	--	LPH Present	--	--	--	--	--	--	
	06/30/99	Dry	0.3	--	LPH Present	--	--	--	--	--	--	
	12/08/99	11.11	--	9.90	--	--	--	--	--	--	--	
	06/20/00	11.50	--	9.51	--	--	--	--	--	--	--	
	12/19/00	11.50	0.50	9.94	LPH Present	--	--	--	--	--	--	
	06/15/01 ^{NP}	11.35	0.03	9.68	LPH Present	--	--	--	--	--	--	
	06/26/01	NM	--	--	--	--	--	--	--	--	--	
	09/07/01 ^{NP}	11.43	0.00	9.58	159,000	22,100	14,600	3,420	12,800	4,440	27,000	
	10/10/01	NM	--	--	--	--	--	--	--	--	--	
	12/28/01 ^{NP}	11.00	0.20	10.18	LPH Present	--	--	--	--	--	--	
	03/08/02	11.61	0.40	9.74	LPH Present	--	--	--	--	--	--	
	06/24/02	Inaccessible	--	--	--	--	--	--	--	--	--	

MTCA Method A Cleanup Level
Continued on page 4.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Site No. 5353
800 Westlake Avenue North
Seattle, Washington
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Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
MW38 16.52	03/08/95	--	--	--	--	--	--	--	--	--	--
	06/06/95	--	--	--	--	--	--	--	--	--	--
	09/07/95	--	--	--	--	--	--	--	--	--	--
	12/08/95	--	--	--	--	--	--	--	--	--	--
	04/01/96	--	--	--	--	--	--	--	--	--	--
	06/25/96	--	--	--	--	--	--	--	--	--	--
	09/27/96	--	--	--	--	--	--	--	--	--	--
	03/28/97	9.23	0.00	7.60	<50	<250	<750	<0.500	<0.500	<0.500	<1.00
	06/30/97	--	--	--	--	--	--	--	--	--	--
	09/08/97	--	--	--	--	--	--	--	--	--	--
	12/19/97	NM	--	--	--	--	--	--	--	--	--
	03/16/98	NM	--	--	--	--	--	--	--	--	--
	06/26/98	NM	--	--	--	--	--	--	--	--	--
	09/23/98	NM	--	--	--	--	--	--	--	--	--
	12/17/98	NM	--	--	--	--	--	--	--	--	--
	03/31/99	NM	--	--	--	--	--	--	--	--	--
	06/30/99	NM	--	--	--	--	--	--	--	--	--
	12/08/99	NM	--	--	--	--	--	--	--	--	--
	06/20/00	NM	--	--	--	--	--	--	--	--	--
	12/19/00	NM	--	--	--	--	--	--	--	--	--
06/15/01	NM	--	--	--	--	--	--	--	--	--	
06/26/01	NM	--	--	--	--	--	--	--	--	--	
09/07/01	NM	--	--	--	--	--	--	--	--	--	
10/10/01	NM	--	--	--	--	--	--	--	--	--	
12/28/01	8.96	0.00	7.58	<50.0	403	<500	0.636	1.33	0.554	2.59	
03/08/02	NM	--	--	--	--	--	--	--	--	--	
06/24/02	NM	--	--	--	--	--	--	--	--	--	
MW40 20.89	03/08/95	10.98	0.00	10.14	980	2,800	2,600	3.11	<0.5	11	<1.0
	06/06/95	11.18	0.00	9.94	1,500	2,300	1,600	6.8	4.3	4.1	21
	09/07/95	11.08	0.00	9.81	650	13,000	86,000	11	0.91	0.57	<1.0
	12/08/95	10.30	0.00	10.59	800	1,400	4,800	2.7	3	<0.5	<1.0
	04/01/96	10.56	0.00	10.33	520	3,200	13,000	1.2	<0.5	0.55	<1.0
	06/25/96	10.69	0.00	10.20	500	2,700	2,480	<0.500	9.82	<0.500	<1.00
	09/27/96	10.95	0.00	10.17	802	3,560	9,880	0.604	41.1	0.525	<1.0
	03/28/97	10.92	0.00	10.20	--	--	--	--	--	--	--
	06/30/97	--	--	--	--	--	--	--	--	--	--
	09/08/97	--	--	--	--	--	--	--	--	--	--
	12/19/97 ^{NP}	11.11	0.00	9.78	325	3,260	12,800	<0.500	0.504	0.663	2.44
	03/16/98	NM	--	--	--	--	--	--	--	--	--
	06/26/98	NM	--	--	--	--	--	--	--	--	--
	09/23/98	NM	--	--	--	--	--	--	--	--	--
	12/17/98 ^{NP}	10.86	0.00	10.03	384	2,840	9,620	<0.500	<0.500	<0.500	<1.00
	03/31/99	NM	--	--	--	--	--	--	--	--	--
	06/30/99	NM	--	--	--	--	--	--	--	--	--
	12/08/99	NM	--	--	--	--	--	--	--	--	--
	06/20/00	NM	--	--	--	--	--	--	--	--	--
	12/09/00	NM	--	--	--	--	--	--	--	--	--
12/19/00	NM	--	--	--	--	--	--	--	--	--	
06/15/01	NM	--	--	--	--	--	--	--	--	--	
06/26/01	NM	--	--	--	--	--	--	--	--	--	
09/07/01	NM	--	--	--	--	--	--	--	--	--	
10/10/01	NM	--	--	--	--	--	--	--	--	--	
12/28/01	10.75	0.00	10.14	449	4,000	5,090	2.12	2.19	1.38	3.88	
03/08/02	NM	--	--	--	--	--	--	--	--	--	
06/24/02	NM	--	--	--	--	--	--	--	--	--	
MW41 27.00	03/08/95	14.72	--	12.48	<50	<250	<750	1.6	<0.5	<0.5	<1.0
	06/06/95	15.02	--	12.18	<50	<250	<750	<0.5	<0.5	<0.5	<1.0
	09/07/95	15.00	--	12.00	<50	<250	<750	<0.5	<0.5	<0.5	<1.0
	12/08/95	16.30	--	10.70	<50	<250	<750	<0.5	<0.5	<0.5	<1.0
	04/01/96	15.02	--	11.98	<50	<250	<750	<0.5	<0.5	<0.5	<1.0
	06/25/96	15.07	--	11.93	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	09/27/96	15.42	0.00	11.78	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	03/28/97	15.27	0.00	11.93	--	--	--	--	--	--	--
	06/30/97	--	--	--	--	--	--	--	--	--	--
	09/08/97	--	--	--	--	--	--	--	--	--	--
	12/19/97	NM	--	--	--	--	--	--	--	--	--
	03/16/98	NM	--	--	--	--	--	--	--	--	--
	06/26/98	NM	--	--	--	--	--	--	--	--	--
	09/23/98	NM	--	--	--	--	--	--	--	--	--
	12/17/98	NM	--	--	--	--	--	--	--	--	--
	03/31/99	NM	--	--	--	--	--	--	--	--	--
	06/30/99	NM	--	--	--	--	--	--	--	--	--
	12/08/99	NM	--	--	--	--	--	--	--	--	--
	06/20/00	NM	--	--	--	--	--	--	--	--	--
	12/19/00	NM	--	--	--	--	--	--	--	--	--
06/15/01	NM	--	--	--	--	--	--	--	--	--	
06/26/01	NM	--	--	--	--	--	--	--	--	--	
09/07/01	NM	--	--	--	--	--	--	--	--	--	
10/10/01	NM	--	--	--	--	--	--	--	--	--	
12/28/01	NM	--	--	--	--	--	--	--	--	--	
03/08/02	NM	--	--	--	--	--	--	--	--	--	
06/24/02	NM	--	--	--	--	--	--	--	--	--	
MTC A Method A Cleanup Level					1,000*			5	40	30	20

Continued on page 5.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Site No. 5353
600 Westlake Avenue North
Seattle, Washington
Page 5 of 7

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
MW42 20.34	03/08/95	9.45	0.00	10.91	130	670	1,200	790	<25	<25	<50
	06/06/95	9.37	0.00	10.89	120	920	1,500	500	<0.58	<0.5	<1.0
	09/07/95	9.50	0.00	10.84	>500	780	1,200	210	4.1	4.2	230
	12/08/95	8.95	0.00	11.39	200	1,300	1,900	380	<2.0	<2.0	<4.0
	04/01/96	9.03	0.00	11.31	180	650	<750	280	0.52	<0.5	<1.0
	06/25/96	9.07	0.00	11.27	150	720	<750	180	<0.500	<0.500	<1.00
	09/27/96	9.12	0.00	11.24	<250	534	<750	228	<2.50	<2.50	<5.00
	03/28/97	9.09	0.00	11.27	--	--	--	--	--	--	--
	06/30/97	8.92	0.00	11.44	--	--	--	--	--	--	--
	09/08/97	9.57	0.00	10.79	--	--	--	--	--	--	--
	12/19/97	NM	--	--	--	--	--	--	--	--	--
	03/16/98	9.53	0.00	10.81	--	--	--	--	--	--	--
	06/26/98	9.51	0.00	10.83	--	--	--	--	--	--	--
	09/23/98	9.96	0.00	10.38	--	--	--	--	--	--	--
	12/17/98	9.10	0.00	11.24	--	--	--	--	--	--	--
	03/31/99	9.00	0.00	11.34	--	--	--	--	--	--	--
	06/30/99	8.80	0.00	11.74	--	--	--	--	--	--	--
	12/06/99	8.00	0.00	12.34	--	--	--	--	--	--	--
	06/20/00	NM	--	--	--	--	--	--	--	--	--
	12/19/00	NM	--	--	--	--	--	--	--	--	--
	06/15/01	9.41	0.00	10.93	--	--	--	--	--	--	--
	06/26/01	NM	--	--	--	--	--	--	--	--	--
	09/07/01	9.68	0.00	10.68	--	--	--	--	--	--	--
10/10/01	NM	--	--	--	--	--	--	--	--	--	
12/28/01	10.28	0.00	10.06	--	--	--	--	--	--	--	
03/08/02	9.75	0.00	10.59	--	--	--	--	--	--	--	
06/24/02	NM	--	--	--	--	--	--	--	--	--	
MW43 21.04	03/08/95	11.35	0.00	9.94	<50	650	2,400	25	<0.5	<0.5	<1.0
	06/06/95	11.45	0.00	9.84	<50	680	1,500	8.2	<0.5	<0.5	<1.0
	09/07/95	11.14	0.00	9.90	<50	<250	850	10	<0.5	<0.5	<1.0
	12/08/95	10.85	0.00	10.19	<50	980	3,100	37	<0.5	<0.5	<1.0
	04/01/96	10.98	0.00	10.08	<50	300	<750	4.5	<0.5	<0.5	<1.0
	06/25/96	11.06	0.00	9.98	<50.0	370	<750	2.57	<0.500	<0.500	<1.00
	09/27/96	11.33	0.00	9.96	<50.0	339	<750	4.4	<0.5	<0.500	<1.00
	03/28/97	11.13	0.00	9.98	<50.0	<250	<750	5.89	0.884	<0.500	2.47
	06/30/97 ^{NP}	7.08	0.00	14.21	<50.0	<250	<750	59.4	<0.500	<0.500	<1.00
	09/08/97 ^{NP}	11.48	0.00	9.83	83	<250	<750	38.5	<0.500	2.10	3.08
	12/19/97	NM	--	--	--	--	--	--	--	--	--
	03/16/98 ^{NP}	11.09	0.00	9.95	78.3	408	<750	26.5	<0.500	<0.500	<1.00
	06/26/98 ^{NP}	11.26	0	9.78	<50.0	346	<750	68.6	<0.500	<0.500	<1.00
	09/23/98 ^{NP}	11.75	0.00	9.29	<50.0	267	<750	9.06	<0.500	<0.500	<1.00
	12/17/98 ^{NP}	11.07	0.00	9.97	<50.0	<250	<750	33.0	<0.500	<0.500	<1.00
	03/31/99 ^{NP}	10.97	0.00	10.07	<50.0	267	<750	9.84	<0.500	0.782	2.47
	06/30/99 ^{NP}	9.97	0.00	11.07	146	253	<750	28.2	7.47	2.95	17.5
	12/08/99 ^{NP}	11.06	0.00	9.98	<50.0	<250	<750	20.6	<0.500	<0.500	<1.00
	06/20/00 ^{NP}	11.40	0.00	9.64	<50.0	<250	<750	3.79	<0.500	<0.500	<1.00
	12/19/00 ^{NP}	11.40	0.00	9.64	55.9	253	<749	2.97	0.948	0.730	4.78
	06/15/01 ^{NP}	11.32	0.00	9.72	<50.0	405	<750	0.670	<0.500	<0.500	1.22
	06/26/01	NM	--	--	--	--	--	--	--	--	--
	09/07/01 ^{NP}	11.48	0.00	9.58	<50.0	<293	<587	<0.500	<0.500	<0.500	<1.00
10/10/01	NM	--	--	--	--	--	--	--	--	--	
12/28/01	11.17	0.00	9.87	52.0	487	<500	5.81	1.18	0.558	3.34	
03/08/02	NM	--	--	--	--	--	--	--	--	--	
06/24/02	NM	--	--	--	--	--	--	--	--	--	
MW44 18.73	03/08/95	9.44	0.00	10.46	<50	290	940	<0.5	<0.5	<0.5	<1.0
	06/06/95	8.28	0.00	10.62	<50	<250	820	<0.5	<0.5	<0.5	1.6
	09/07/95	7.94	0.00	10.79	<50	<250	<750	<0.5	<0.5	<0.5	<1.0
	12/08/95	8.09	0.00	10.64	<50	320	2,500	<0.5	<0.5	<0.5	<1.0
	04/01/96	7.98	0.00	10.75	<50	<250	<750	<0.5	<0.5	<0.5	<1.0
	06/25/96	7.90	0.00	10.83	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	09/27/96	8.28	0.00	10.59	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	03/28/97	8.07	0.00	10.83	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	06/30/97 ^{NP}	7.84	0.00	11.06	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	09/08/97 ^{NP}	8.65	0.00	10.25	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	12/19/97 ^{NP}	8.51	0.00	10.22	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	03/16/98 ^{NP}	8.43	0.00	10.30	60.0	310	<750	<0.500	<0.500	<0.500	<1.00
	06/26/98 ^{NP}	8.37	0.00	10.36	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	09/23/98 ^{NP}	9.30	0.00	9.43	<50.0	343	<750	<0.500	<0.500	<0.500	<1.00
	12/17/98 ^{NP}	8.10	0.00	10.63	<50.0	271	<750	<0.500	<0.500	<0.500	<1.00
	03/31/99 ^{NP}	8.18	0.00	10.55	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	06/30/99 ^{NP}	8.03	0.00	10.70	<50.0	393	<750	<0.500	0.619	<0.500	1.21
	12/08/99 ^{NP}	8.52	0.00	10.21	<50.0	281	<750	<0.500	<0.500	<0.500	<1.00
	06/20/00 ^{NP}	9.53	0.00	9.20	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	12/19/00 ^{NP}	9.20	0.00	9.53	301	330	<750	<0.500	1.64	2.76	22.1
	06/15/01 ^{NP}	8.44	0.00	10.29	<50.0	468	<841	<0.500	<0.500	<0.500	<1.00
	06/26/01	NM	--	--	--	--	--	--	--	--	--
	09/07/01 ^{NP}	9.48	0.00	9.25	10,300	4,250	849	1,050	6.97	946	910
10/10/01	NM	--	--	--	--	--	--	--	--	--	
12/28/01	9.31	0.00	9.42	90.6	823	<500	10.9	1.40	0.644	4.04	
03/08/02	NM	--	--	--	--	--	--	--	--	--	
06/24/02	NM	--	--	--	--	--	--	--	--	--	
MTCFA Method A Cleanup Level					1,000*	5	40	30	20		

Continued on page 6.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Site No. 5353
600 Westlake Avenue North
Seattle, Washington
Page 6 of 7

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
MW45	09/07/01 ^{NP}	9.80	0.00	--	<50.0	375	<806	<0.500	<0.500	<0.500	<1.00
NE	10/10/01	NM	--	--	--	--	--	--	--	--	--
	12/28/01	9.03	0.00	--	17,300	2,210	597	2,130	73.4	1,330	2,970
	03/08/02	9.12	0.00	--	16,500	2,380	686	2,080	38.4	1,190	1,850
	06/24/02	9.00	0.00	--	5,100	1,920	761	1,330	6.39	451	235
MW46	03/08/95	8.00	0.00	8.91	<50	720	3,600	<0.5	<0.5	<0.5	<1.0
16.91	06/06/95	7.30	0.00	10.01	<50	<250	1,400	<0.5	<0.5	<0.5	<1.0
	09/07/95	7.80	0.00	8.93	<50	710	5,600	<0.5	<0.5	<0.5	<1.0
	12/08/95	8.32	0.00	8.59	<50	1,400	14,000	<0.5	<0.5	<0.5	<1.0
	04/01/96	7.04	0.00	9.87	<50	<400	2,800	<0.5	<0.5	<0.5	<1.0
	06/25/96	7.85	0.00	9.06	<50.0	440	2,080	<0.500	<0.500	<0.500	<1.00
	09/27/96	7.57	0.00	9.74	<50.0	267	<750	0.518	<0.500	<0.500	<1.00
	03/28/97	7.25	0.00	10.06	<50.0	<250	<750	<0.500	1.25	<0.500	2.06
	06/30/97	7.12	0.00	10.19	--	--	--	--	--	--	--
	09/08/97	8.82	0.00	8.49	--	--	--	--	--	--	--
	12/19/97 ^{NP}	9.40	0.00	7.51	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	03/16/98	NM	--	--	--	--	--	--	--	--	--
	06/26/98	NM	--	--	--	--	--	--	--	--	--
	09/23/98	NM	--	--	--	--	--	--	--	--	--
	12/17/98 ^{NP}	9.20	0.00	7.71	<50.0	354	<750	<0.500	<0.500	<0.500	<1.00
	03/31/99	NM	--	--	--	--	--	--	--	--	--
	06/30/99	NM	--	--	--	--	--	--	--	--	--
	12/08/99	NM	--	--	--	--	--	--	--	--	--
	06/20/00	NM	--	--	--	--	--	--	--	--	--
	12/19/00	12.70	0.00	4.21	226	277	<750	<0.500	2.18	2.53	18.0
	06/15/01 ^{NP}	7.19	0.00	9.72	<50.0	295	<750	<0.500	<0.500	<0.500	1.39
	06/26/01	NM	--	--	--	--	--	--	--	--	--
	09/07/01	NM	--	--	--	--	--	--	--	--	--
	10/10/01	NM	--	--	--	--	--	--	--	--	--
	12/28/01	Covered by asphalt	--	--	--	--	--	--	--	--	--
	03/08/02	NM	--	--	--	--	--	--	--	--	--
	06/24/02	NM	--	--	--	--	--	--	--	--	--
MW47	03/08/95	10.88	0.00	9.18	<50	330	1,600	5.3	<0.5	<0.5	<1.0
19.83	06/06/95	10.91	0.00	9.13	70	380	780	15	0.59	<0.5	2.3
	09/07/95	10.76	0.00	9.07	<50	260	<750	1.7	<0.5	<0.5	<1.0
	12/08/95	10.40	0.00	9.43	740	580	2,000	<0.5	<0.5	<0.5	<1.0
	04/01/96	10.67	0.00	9.16	<50	<250	<750	4.4	<0.5	<0.5	<1.0
	06/25/96	10.71	0.00	9.12	110	400	<750	14.4	<0.500	<0.500	<1.00
	09/27/96	10.85	0.00	9.19	<50.0	<250	<750	4.34	<0.500	<0.500	<1.00
	03/28/97 ^{NP}	10.92	0.00	9.12	64.5	<250	<750	7.81	<0.500	<0.500	1.57
	03/28/97	10.92	0.00	9.12	177	<250	<750	52.6	<0.500	<0.500	<1.00
	06/30/97	--	--	--	--	--	--	--	--	--	--
	09/08/97	--	--	--	--	--	--	--	--	--	--
	12/19/97	--	--	--	--	--	--	--	--	--	--
	03/16/98	--	--	--	--	--	--	--	--	--	--
	06/26/98 ^{NP}	10.78	0.00	9.05	<50.0	356	<750	27.3	<0.500	<0.500	<1.00
	09/23/98	--	--	--	--	--	--	--	--	--	--
	12/17/98 ^{NP}	10.61	0.00	9.22	<50.0	<250	<750	3.34	<0.500	<0.500	1.12
	03/31/99	9.65	0.00	10.18	--	--	--	--	--	--	--
	06/30/99	--	0.00	--	--	--	--	--	--	--	--
	12/08/99	--	--	--	--	--	--	--	--	--	--
	06/20/00 ^{NP}	10.94	0.00	8.89	<50.0	<250	<750	<1.30	<0.500	<0.500	<1.00
	12/19/00 ^{NP}	11.20	0.00	8.63	1,310	357	<750	<0.500	6.10	10.6	77.3
	06/15/01	10.98	0.00	8.85	<50.0	591	<952	0.709	0.504	<0.500	1.18
	06/26/01	NM	--	--	--	--	--	--	--	--	--
	09/07/01 ^{NP}	11.14	0.00	8.69	<50.0	356	<500	<0.500	<0.500	<0.500	<1.00
	10/10/01	NM	--	--	--	--	--	--	--	--	--
	12/28/01	10.90	0.00	8.93	181	542	<500	7.64	1.49	4.79	37.8
	03/08/02	NM	--	--	--	--	--	--	--	--	--
	06/24/02	NM	--	--	--	--	--	--	--	--	--
MW50	10/10/01	11.11	0.00	--	8,870	2,200	<806	674	221	382	779
NE	12/28/01	10.45	0.00	--	23,200	3,480	<500	1,830	3,690	991	4,480
	03/08/02	Obstructed by vehicle	--	--	--	--	--	--	--	--	--
	06/24/02	10.84	0.00	--	8,290	1,970	556	414	22.9	314	2,010

MTCA Method A Cleanup Level

1,000*

5

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30

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Continued on page 7.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Site No. 5353
600 Westlake Avenue North
Seattle, Washington
Page 7 of 7

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
MW51 NE	10/10/01	11.68	0.00	--	871	1,700	2,180	10.1	10.4	7.75	18.8
	12/28/01	11.20	0.00	--	631	2,170	3,100	37.0	75.8	30.4	81.2
	03/08/02	11.38	0.00	--	102	2,350	1,610	6.22	5.89	3.84	10.4
	06/24/02	11.60	0.00	--	67.7	2,650	1,730	1.28	1.42	0.699	2.51
MW52 NE	10/10/01	10.79	0.00	--	13,400	1,460	<582	1,150	<10.0	327	793
	12/28/01	10.22	0.00	--	7,900	1,690	595	634	5.87	509	479
	03/08/02	10.42	0.00	--	10,180	2,790	<602	814	6.30	662	387
	06/24/02	10.58	0.00	--	9,820	2,810	640	1,250	<25.0	767	448
MTCA Method A Cleanup Level					1,000*			5	40	30	20

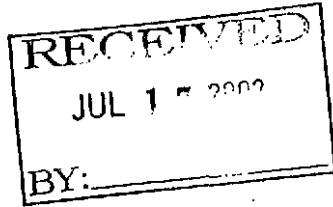
EXPLANATION:

Concentrations in ug/L (ppb).
Wellhead elevations taken from prior consultant's reports.
DTW = Depth to water in feet below top of casing except where noted in prior reports.
LPH = Liquid-phase petroleum hydrocarbon thickness in feet.
GW Elev. = Groundwater elevation relative to DTW data; corrected for LPH where applicable using a specific gravity of 0.85.
TPH-G = Total Petroleum Hydrocarbons as Gasoline by Ecology Method NWTPH-Gx.
TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and as Oil (respectively) by Ecology Method NWTPH-Dx.
B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes.
BTEX = Aromatic compounds by EPA Method 8021B.
< = Less than the stated laboratory reporting limit.
NE = Not Established; NM = Not Measured; -- = Not Analyzed or Sampled.
NP = Not purged.
* Total Petroleum Hydrocarbons.
Shaded values equal or exceed MTCA Method A Cleanup Levels.
Data collected before 12/19/97 are taken from prior consultants.
*MW46 identified as MW9 on chain of custody and official laboratory report.
**SMW3 identified as SMW2 on chain of custody and official laboratory report.



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09 July 2002



John Meyer
ERI
815 Industry Dr
Tukwila, WA/USA 98188
RE: TOSCO #5353

Enclosed are the results of analyses for samples received by the laboratory on 06/26/02 12:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Amar Gill
Project Manager



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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #5353 Project Number: 1020 Project Manager: John Meyer	Reported: 07/09/02 16:51
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW32A	B2F0697-01	Water	06/24/02 12:00	06/26/02 12:20
MW33	B2F0697-02	Water	06/24/02 12:00	06/26/02 12:20
MW34	B2F0697-03	Water	06/24/02 12:00	06/26/02 12:20
MW45	B2F0697-04	Water	06/24/02 12:00	06/26/02 12:20
MW50	B2F0697-05	Water	06/24/02 12:00	06/26/02 12:20
MW51	B2F0697-06	Water	06/24/02 12:00	06/26/02 12:20
MW52	B2F0697-07	Water	06/24/02 12:00	06/26/02 12:20

North Creek Analytical - Bothell

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

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ERI Project: TOSCO #5353
 815 Industry Dr Project Number: 1020
 Tukwila WA/USA, 98188 Project Manager: John Meyer Reported: 07/09/02 16:51

**Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW32A (B2F0697-01) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Gasoline Range Hydrocarbons	6850	50.0	ug/l	1	2G05029	07/05/02	07/06/02	NWTPH-Gx/8021B	
Toluene	7.43	0.500	"	"	"	"	"	"	
Xylenes (total)	59.1	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	%	57-125			"	"	"	"	S-02
Surrogate: 4-BFB (PID)	%	62-120			"	"	"	"	S-02
MW32A (B2F0697-01RE1) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Benzene	2820	25.0	ug/l	50	2G07005	07/07/02	07/08/02	NWTPH-Gx/8021B	
Ethylbenzene	221	25.0	"	"	"	"	"	"	
Surrogate: 4-BFB (PID)	99.0 %	62-120			"	"	"	"	
MW33 (B2F0697-02) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Gasoline Range Hydrocarbons	205000	5000	ug/l	100	2G05029	07/05/02	07/06/02	NWTPH-Gx/8021B	
Benzene	1510	50.0	"	"	"	"	"	"	
Ethylbenzene	3770	50.0	"	"	"	"	"	"	
Xylenes (total)	28900	100	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	120 %	57-125			"	"	"	"	
Surrogate: 4-BFB (PID)	112 %	62-120			"	"	"	"	
MW33 (B2F0697-02RE1) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Toluene	14200	250	ug/l	500	2G07005	07/07/02	07/08/02	NWTPH-Gx/8021B	
Surrogate: 4-BFB (PID)	100 %	62-120			"	"	"	"	
MW34 (B2F0697-03) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Gasoline Range Hydrocarbons	12500	5000	ug/l	100	2G07005	07/07/02	07/08/02	NWTPH-Gx/8021B	
Benzene	2140	50.0	"	"	"	"	"	"	
Toluene	651	50.0	"	"	"	"	"	"	
Ethylbenzene	659	50.0	"	"	"	"	"	"	
Xylenes (total)	1160	100	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	98.3 %	57-125			"	"	"	"	
Surrogate: 4-BFB (PID)	99.0 %	62-120			"	"	"	"	

North Creek Analytical - Bothell

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #5353 Project Number: 1020 Project Manager: John Meyer	Reported: 07/09/02 16:51
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**Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW45 (B2F0697-04) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Gasoline Range Hydrocarbons	5100	250	ug/l	5	2G05029	07/05/02	07/06/02	NWTPH-Gx/8021B	
Toluene	6.39	2.50	"	"	"	"	"	"	
Ethylbenzene	451	2.50	"	"	"	"	"	"	
Xylenes (total)	235	5.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	134 %	57-125			"	"	"	"	S-04
Surrogate: 4-BFB (PID)	117 %	62-120			"	"	"	"	
MW45 (B2F0697-04RE1) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Benzene	1330	25.0	ug/l	50	2G07005	07/07/02	07/08/02	NWTPH-Gx/8021B	
Surrogate: 4-BFB (PID)	101 %	62-120			"	"	"	"	
MW50 (B2F0697-05) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Gasoline Range Hydrocarbons	8290	250	ug/l	5	2G05029	07/05/02	07/06/02	NWTPH-Gx/8021B	
Benzene	414	2.50	"	"	"	"	"	"	
Toluene	22.9	2.50	"	"	"	"	"	"	
Ethylbenzene	314	2.50	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	160 %	57-125			"	"	"	"	S-04
Surrogate: 4-BFB (PID)	134 %	62-120			"	"	"	"	S-04
MW50 (B2F0697-05RE1) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Xylenes (total)	2010	25.0	ug/l	25	2G07005	07/07/02	07/08/02	NWTPH-Gx/8021B	
Surrogate: 4-BFB (PID)	105 %	62-120			"	"	"	"	
MW51 (B2F0697-06) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Gasoline Range Hydrocarbons	57.7	50.0	ug/l	1	2G05029	07/05/02	07/06/02	NWTPH-Gx/8021B	
Benzene	1.28	0.500	"	"	"	"	"	"	
Toluene	1.42	0.500	"	"	"	"	"	"	
Ethylbenzene	0.699	0.500	"	"	"	"	"	"	
Xylenes (total)	2.51	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	100 %	57-125			"	"	"	"	
Surrogate: 4-BFB (PID)	100 %	62-120			"	"	"	"	

North Creek Analytical - Bothell

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ERI
 815 Industry Dr
 Tukwila WA/USA, 98188

Project: TOSCO #5353
 Project Number: 1020
 Project Manager: John Meyer

Reported:
 07/09/02 16:51

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW52 (B2F0697-07) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Gasoline Range Hydrocarbons	9820	2500	ug/l	50	2G05029	07/05/02	07/06/02	NWTPH-Gx/8021B	
Benzene	1250	25.0	"	"	"	"	"	"	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	757	25.0	"	"	"	"	"	"	
Xylenes (total)	448	50.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	108 %	57-125			"	"	"	"	
Surrogate: 4-BFB (PID)	107 %	62-120			"	"	"	"	

North Creek Analytical - Bothell

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Amar Gill, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network



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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #5353 Project Number: 1020 Project Manager: John Meyer	Reported: 07/09/02 16:51
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Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW32A (B2F0697-01) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Diesel Range Hydrocarbons	2.04	0.250	mg/l	1	2F30002	06/30/02	07/08/02	NWTPH-Dx	
Lube Oil Range Hydrocarbons	0.577	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	95.8 %	52-126			"	"	"	"	
Surrogate: Octacosane	77.8 %	53-122			"	"	"	"	
MW33 (B2F0697-02) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Diesel Range Hydrocarbons	51.7	5.00	mg/l	20	2F30002	06/30/02	07/08/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	14.0	10.0	"	"	"	"	"	"	
Surrogate: 2-FBP	%	52-126			"	"	"	"	S-01
Surrogate: Octacosane	78.9 %	53-122			"	"	"	"	
MW34 (B2F0697-03) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Diesel Range Hydrocarbons	4.20	0.250	mg/l	1	2F30002	06/30/02	07/08/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	0.614	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	103 %	52-126			"	"	"	"	
Surrogate: Octacosane	82.1 %	53-122			"	"	"	"	
MW45 (B2F0697-04) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Diesel Range Hydrocarbons	1.92	0.250	mg/l	1	2F30002	06/30/02	07/08/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	0.761	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	100 %	52-126			"	"	"	"	
Surrogate: Octacosane	86.7 %	53-122			"	"	"	"	
MW50 (B2F0697-05) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Diesel Range Hydrocarbons	1.97	0.250	mg/l	1	2F30002	06/30/02	07/08/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	0.556	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	85.0 %	52-126			"	"	"	"	
Surrogate: Octacosane	74.2 %	53-122			"	"	"	"	

North Creek Analytical - Bothell

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #5353 Project Number: 1020 Project Manager: John Meyer	Reported: 07/09/02 16:51
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Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW51 (B2F0697-06) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Diesel Range Hydrocarbons	2.65	0.250	mg/l	1	2F30002	06/30/02	07/08/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	1.73	0.500	"	"	"	"	"	"	"
Surrogate: 2-FBP	84.8 %	52-126			"	"	"	"	
Surrogate: Octacosane	82.5 %	53-122			"	"	"	"	
MW52 (B2F0697-07) Water Sampled: 06/24/02 12:00 Received: 06/26/02 12:20									
Diesel Range Hydrocarbons	2.81	0.250	mg/l	1	2F30002	06/30/02	07/08/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	0.640	0.500	"	"	"	"	"	"	"
Surrogate: 2-FBP	94.8 %	52-126			"	"	"	"	
Surrogate: Octacosane	76.0 %	53-122			"	"	"	"	

North Creek Analytical - Bothell

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ERI
 815 Industry Dr
 Tukwila WA/USA, 98188

Project: TOSCO #5353
 Project Number: 1020
 Project Manager: John Meyer

Reported:
 07/09/02 16:51

Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2G05029: Prepared 07/05/02 Using EPA 5030B (P/T)

Blank (2G05029-BLK1)

Gasoline Range Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Surrogate: 4-BFB (FID)	43.8		"	48.0		91.2	57-125			
Surrogate: 4-BFB (PID)	47.6		"	48.0		99.2	62-120			

LCS (2G05029-BS1)

Gasoline Range Hydrocarbons	553	50.0	ug/l	500		111	80-120			
Benzene	6.90	0.500	"	6.19		111	80-120			
Toluene	35.4	0.500	"	37.6		94.1	80-120			
Ethylbenzene	9.08	0.500	"	8.83		103	80-120			
Xylenes (total)	44.6	1.00	"	44.5		100	80-120			
Surrogate: 4-BFB (FID)	52.4		"	48.0		109	57-125			
Surrogate: 4-BFB (PID)	45.2		"	48.0		94.2	62-120			

LCS Dup (2G05029-BSD1)

Gasoline Range Hydrocarbons	529	50.0	ug/l	500		106	80-120	4.44	25	
Benzene	6.96	0.500	"	6.19		112	80-120	0.866	40	
Toluene	35.7	0.500	"	37.6		94.9	80-120	0.844	40	
Ethylbenzene	9.14	0.500	"	8.83		104	80-120	0.659	40	
Xylenes (total)	45.1	1.00	"	44.5		101	80-120	1.11	40	
Surrogate: 4-BFB (FID)	54.0		"	48.0		112	57-125			
Surrogate: 4-BFB (PID)	48.6		"	48.0		101	62-120			

Matrix Spike (2G05029-MS1)

Source: B2F0697-06

Gasoline Range Hydrocarbons	537	50.0	ug/l	500	57.7	95.9	70-130			
Benzene	7.93	0.500	"	6.19	1.28	107	80-120			
Toluene	36.1	0.500	"	37.6	1.42	92.2	68-114			
Ethylbenzene	9.44	0.500	"	8.83	0.699	99.0	80-120			
Xylenes (total)	46.3	1.00	"	44.5	2.51	98.4	80-120			
Surrogate: 4-BFB (FID)	49.8		"	48.0		104	57-125			
Surrogate: 4-BFB (PID)	47.5		"	48.0		99.0	62-120			

North Creek Analytical - Bothell

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #5353 Project Number: 1020 Project Manager: John Meyer	Reported: 07/09/02 16:51
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Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 2G05029: Prepared 07/05/02 Using EPA 5030B (P/T)

Matrix Spike Dup (2G05029-MSD1)				Source: B2F0697-06						
Gasoline Range Hydrocarbons	587	50.0	ug/l	500	57.7	106	70-130	8.90	25	
Benzene	8.14	0.500	"	6.19	1.28	111	80-120	2.61	40	
Toluene	36.4	0.500	"	37.6	1.42	93.0	68-114	0.828	40	
Ethylbenzene	9.52	0.500	"	8.83	0.699	99.9	80-120	0.844	40	
Xylenes (total)	46.3	1.00	"	44.5	2.51	98.4	80-120	0.00	40	
Surrogate: 4-BFB (FID)	49.6		"	48.0		103	57-125			
Surrogate: 4-BFB (PID)	45.1		"	48.0		94.0	62-120			

Batch 2G07005: Prepared 07/07/02 Using EPA 5030B (P/T)

Blank (2G07005-BLK1)										
Gasoline Range Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	1.00	"							
Surrogate: 4-BFB (FID)	45.3		"	48.0		94.4	57-125			
Surrogate: 4-BFB (PID)	46.0		"	48.0		95.8	62-120			

LCS (2G07005-BS1)										
Gasoline Range Hydrocarbons	510	50.0	ug/l	500		102	80-120			
Benzene	6.94	0.500	"	6.19		112	80-120			
Toluene	34.9	0.500	"	37.6		92.8	80-120			
Ethylbenzene	9.06	0.500	"	8.83		103	80-120			
Xylenes (total)	44.1	1.00	"	44.5		99.1	80-120			
Surrogate: 4-BFB (FID)	51.2		"	48.0		107	57-125			
Surrogate: 4-BFB (PID)	46.4		"	48.0		96.7	62-120			

North Creek Analytical - Bothell

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #5353 Project Number: 1020 Project Manager: John Meyer	Reported: 07/09/02 16:51
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Volatile Petroleum Products and BTEX by NWTPH-Gx and EPA 8021B - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2G07005: Prepared 07/07/02 Using EPA 5030B (P/T)

LCS Dup (2G07005-BSD1)

Gasoline Range Hydrocarbons	532	50.0	ug/l	500		106	80-120	4.22	25	
Benzene	6.82	0.500	"	6.19		110	80-120	1.74	40	
Toluene	34.6	0.500	"	37.6		92.0	80-120	0.863	40	
Ethylbenzene	9.03	0.500	"	8.83		102	80-120	0.332	40	
Xylenes (total)	44.2	1.00	"	44.5		99.3	80-120	0.227	40	
Surrogate: 4-BFB (FID)	52.5		"	48.0		109	57-125			
Surrogate: 4-BFB (PID)	47.1		"	48.0		98.1	62-120			

Matrix Spike (2G07005-MS1)

Source: B2F0657-05

Gasoline Range Hydrocarbons	487	50.0	ug/l	500	ND	92.1	70-130			
Benzene	7.65	0.500	"	6.19	1.16	105	80-120			
Toluene	33.8	0.500	"	37.6	ND	89.5	68-114			
Ethylbenzene	8.63	0.500	"	8.83	ND	97.0	80-120			
Xylenes (total)	42.1	1.00	"	44.5	ND	93.9	80-120			
Surrogate: 4-BFB (FID)	50.9		"	48.0		106	57-125			
Surrogate: 4-BFB (PID)	45.4		"	48.0		94.6	62-120			

Matrix Spike Dup (2G07005-MSD1)

Source: B2F0657-05

Gasoline Range Hydrocarbons	439	50.0	ug/l	500	ND	82.5	70-130	10.4	25	
Benzene	7.78	0.500	"	6.19	1.16	107	80-120	1.69	40	
Toluene	33.8	0.500	"	37.6	ND	89.5	68-114	0.00	40	
Ethylbenzene	8.54	0.500	"	8.83	ND	95.9	80-120	1.05	40	
Xylenes (total)	41.2	1.00	"	44.5	ND	91.9	80-120	2.16	40	
Surrogate: 4-BFB (FID)	48.6		"	48.0		101	57-125			
Surrogate: 4-BFB (PID)	46.5		"	48.0		96.9	62-120			

North Creek Analytical - Bothell

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #5353 Project Number: 1020 Project Manager: John Meyer	Reported: 07/09/02 16:51
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**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2F30002: Prepared 06/30/02 Using EPA 3520C										
Blank (2F30002-BLK1)										
Diesel Range Hydrocarbons	ND	0.250	mg/l							
Lube Oil Range Hydrocarbons	ND	0.500	"							
Surrogate: 2-FBP	0.263		"	0.320		82.2	52-126			
Surrogate: Octacosane	0.259		"	0.320		80.9	53-122			
LCS (2F30002-BS1)										
Diesel Range Hydrocarbons	1.80	0.250	mg/l	2.00		90.0	60-122			
Surrogate: 2-FBP	0.284		"	0.320		88.8	52-126			
LCS Dup (2F30002-BSD1)										
Diesel Range Hydrocarbons	1.80	0.250	mg/l	2.00		90.0	60-122	0.00	40	
Surrogate: 2-FBP	0.304		"	0.320		95.0	52-126			

North Creek Analytical - Bothell

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ERI
 815 Industry Dr
 Tukwila WA/USA, 98188

Project: TOSCO #5353
 Project Number: 1020
 Project Manager: John Meyer

Reported:
 07/09/02 16:51

Notes and Definitions

- D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

North Creek Analytical - Bothell

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TOSCO CHAIN OF CUSTODY REPORT

B2F0697

TOSCO INFORMATION	
Facility Number: 5355	BP/ <input checked="" type="checkbox"/> <input type="checkbox"/>
Site Address: 600 WEST LAKE AVE N	Terminal/Bulk Plant <input type="checkbox"/>
City, State, ZIP: SEATTLE, WA	Other <input type="checkbox"/>
Project/AWO Code	
Tosco Manager:	
FACILITY TYPE: (check one)	
<input type="checkbox"/> Brown Bear	<input type="checkbox"/> Former 76 Site

CONSULTANT INFORMATION	
Firm: EPI	Project# 1020
Address: 815 INDUSTRY DR	
TOKWA, WA 98188	
Phone: (206) 577 6200 Fax: X 6923	
Project Manager:	E-mail:
Sample Collection by:	

Quality Assurance Data Level: A: Standard Summary B

B: Standard + Chromatograms

Laboratory Turnaround Days: 5 3 2 1

10 Day - Standard

SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W.S.O)	# OF CON-TAINERS
1. MW32A	6/24/02	W	5
2. MW33			
3. MW34			
4. MW45			
5. MW50			
6. MW51			
7. MW52			
8.			
9.			
10.			

TPH-HCID	TPH-Gas	BTEX	EPA 8021 Mod	TPH-Gas + BTEX	TPH-Diesel	Extended	TPH-Diesel-Extr	w/SG Cleanup	Halogen, Volatiles	EPA 8021	Pesticides/PCBs	or PCBs Only	GCMS Volatiles	EPA 8260	GCMS Semi Vols	EPA 8270	PAHs:	8270 SIM or 8310	Lead:	Total or Dissolved	TCLP or RCRA	Metals (8)		
			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						

NCA SAMPLE NUMBER

B2F0697.01

-02

-03

-04

-05

-06

-07

Relinquished by: Firm: **TTB** Date & Time: **6/24/02 3:00 PM**

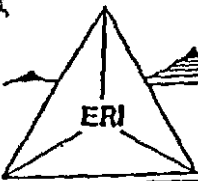
Received by: Firm: **NCA** Date & Time: **6/25/02 11:30 AM**

1. **TTB** to **NCA** via **Way**

2. **NCA** to **Way** via **Way**

3.

Comments: 4.82 w/o



GROUNDWATER SAMPLING - FIELD LOG

Client Name: TOSCLO S353
Location: WESTLAKE AVE
Field Crew: RM

ERI Job No. 1020
Field Cleaning Performed:
Analysis:

Date: 6/24/02 Page 1 of 1

* Case Volume = $(d_{case} \cdot d_{well}) \cdot X \cdot F$ where F =
0.163 for a 2" inside diameter well casing
0.652 for a 4" inside diameter well casing
1.467 for a 6" inside diameter well casing

Well No.	Time	Depth Water (ft.)	Depth Well (ft.)	Case Dia. (in)	Case Vol. (gal)	Purge Vol. (gal)	Conduct. AS/CH (x1000)	Temp. Deg F	PH	TURB. NTU	PID PPH	Comments
MW 22A		11.56	21.38	2	1.5	4.5						
MW 33		11.36	24.57	2	1.5	4.5						
MW 34		11.91	21.40	2	1.5	4.5						
MW 37				4								
MW 45		9.00	14.50	2	1	3						NO ACCESS
MW 50		10.84	17.26	2	1	3						OBSTRUCTED BY VEHICLE
MW 51		11.60	15.00	2	1.5	1.5						
MW 52		10.58	17.45	2	1	3						

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