

DATE: January 5, 1999

**TOSCO MARKETING COMPANY
GROUNDWATER MONITORING REPORT**

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

WORK PERFORMED THIS QUARTER(S) [Fourth - 1998]:

- Monitored 14 groundwater monitoring wells and sampled 9 wells without purging

WORK PROPOSED FOR NEXT QUARTER [First - 1999]:

- Monitor 11 wells and sample 6 wells without purging

SUMMARY:

Frequency of Sampling Events:	<u>Quarterly</u>	(Quarterly, etc.)
Approximate Depth to Groundwater:	<u>8 to 11 ft</u>	(Measured Feet)
Groundwater Gradient:	<u>Northerly and Easterly</u>	(Direction)
	<u>0.004 ft/ft</u>	(Magnitude)
Maximum TPH-G/Benzene Concentrations:	<u>80,900/14,200</u>	(ppb)
Measurable Free Product Detected:	<u>Yes - SMW-4 and MW-37</u>	(Yes - ID wells(s)/No)
Free Product Recovered This Quarter:	<u>None</u>	(gallons)
Cumulative Free Product Recovered to Date:	<u>46,632</u>	(gallons)
Bulk Soil Removed This Quarter:	<u>None</u>	(cubic yards)
Water Wells or Surface Waters w/in a 2000'	<u>Lake Union</u>	(Distance &
Radius and Respective Direction:	<u>400 feet north</u>	Direction)
Current Remedial Action:	<u>VES</u>	(SVE/AS/P&T etc.)
Permits for Discharge:	<u>PSAPCA No. 4397</u>	(NPDES, POTW, etc.)

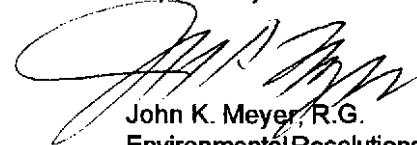
DISCUSSION:

- 4 of 9 wells sampled contained analyte concentrations exceeding MTCA Method A Cleanup Levels
- Trace amounts of LPH were observed in SMW-4 and MW-37 - wicks

ATTACHMENTS:

Plate P-1 - Groundwater Sample Analyses Map, 12/17/98
Table 1 - Groundwater Analytical Results
Laboratory Reports and Chain of Custody Records
Field Data Records

Prepared By:



John K. Meyer, R.G.
Environmental Resolutions, Inc.

cc: Ecology NW Region
GeoEngineers



GROUNDWATER SAMPLE ANALYSES MAP - 12/17/98
 TOSCO FACILITY 5353
 600 Westlake Avenue North
 Seattle, Washington

EXPLANATION

- ◆ MW-37 Groundwater Monitoring Well
- ◆ MW-37 Groundwater Elevation 9.70
- ◆ MW-37 Free Product Thickness in Feet 0.01
- ◆ NM Not Measured
- ◆ NS Not Sampled

PROJECT NO.

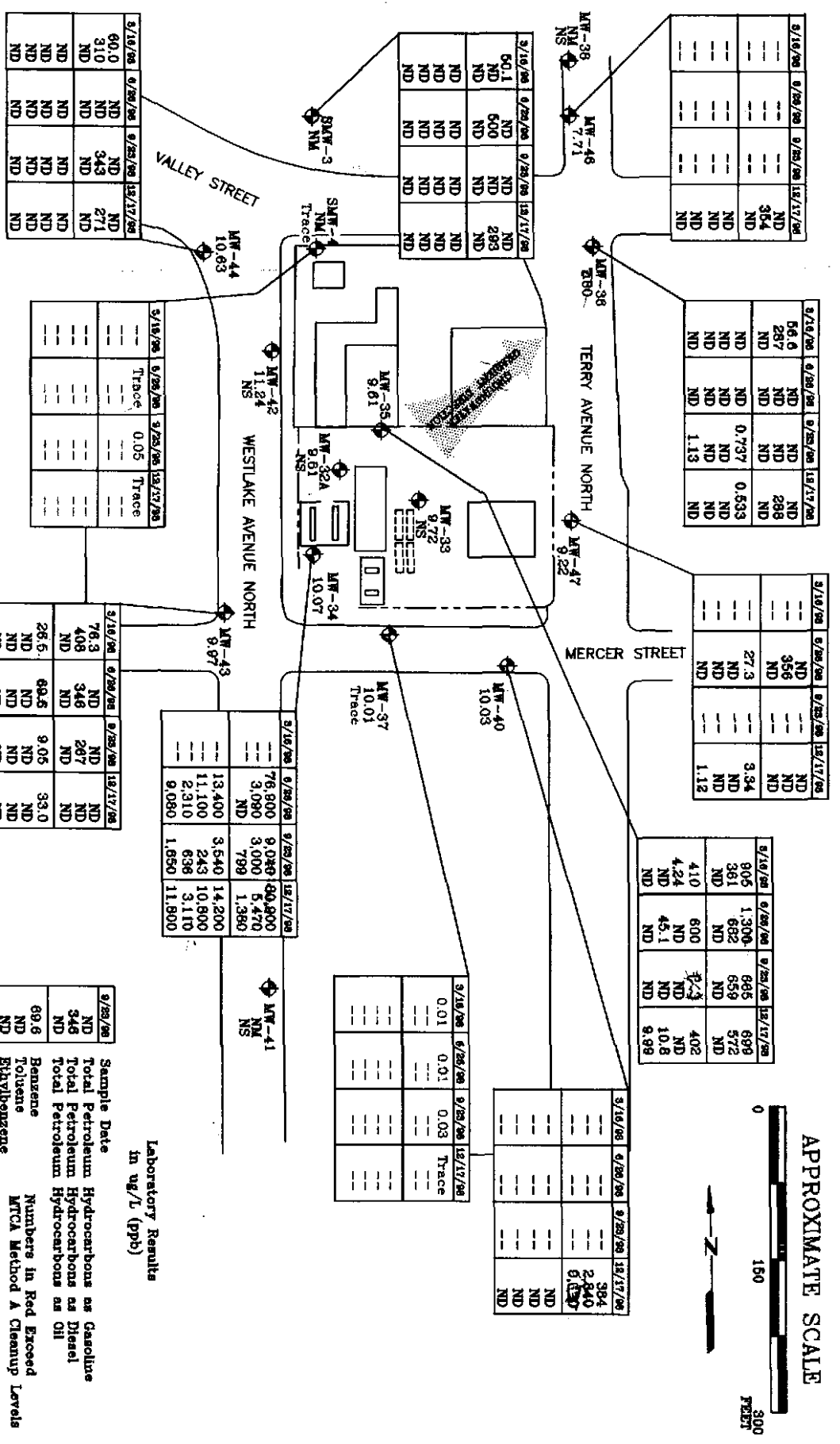
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PLATE

P-1

DATE: 1/6/98

Source: Modified by
 from maps provided by
 Tesco Marketing Company



EN 6363

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Facility 5353
600 Westlake Avenue North
Seattle, Washington
Page 1 of 5

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
SMW-3 --	03/08/95	10.25	0.00	--	<50	400	2,500	<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
	09/08/97 ^{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
	3/16/98 ^{NP}	9.28	0.00	--	50.1	<250	<750	<0.500	<0.500	<0.500	<1.00
	6/26/98 ^{NP}	8.87	0.00	--	<50.0	500	<750	<0.500	<0.500	<0.500	<1.00
	9/23/98 ^{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
SMW-4 --	03/08/95	8.14	0.00	--	39,000	4,100	6,100	13,000	<250	2,400	8,200
	06/06/95	8.90	0.00	--	41,000	5,500	<750	9,400	44	2,700	4,900
	09/07/95	8.99	0.00	--	--	--	--	--	--	--	--
	12/08/95	7.56	0.00	--	40,000	1,500	920	8,100	67	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	2,600	630	3,900	81.4	1,710	1,710
	09/27/96	8.62	0.00	--	28,600	2,480	<750	6,090	<0.500	2,060	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	--	--	--	--	--	--	--	--
	3/16/98	9.09	0.00	--	--	--	--	--	--	--	--
	6/26/98	8.76	Trace	--	--	--	--	--	--	--	--
	9/23/98	9.96	0.05	--	--	--	--	--	--	--	--
	12/17/98	10.22	Trace	--	--	--	--	--	--	--	--
MW-32A 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	11,000	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	490
	06/25/96	10.98	--	9.72	7,500	1,260	<750	1,200	60.4	217	435
	09/27/96	11.37	--	9.61	7,050	1,040	<750	1,670	37.4	254	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	--	--	--	--	--	--	--
	3/16/98	11.30	0.00	9.40	--	--	--	--	--	--	--
	6/26/98	11.29	0.00	9.41	--	--	--	--	--	--	--
	9/23/98	11.97	0.00	8.73	--	--	--	--	--	--	--
	12/17/98	11.09	0.00	9.61	--	--	--	--	--	--	--
MW-33 20.75	03/08/95	11.16	0.00	9.73	4,900	1,400	2,000	660	<25	320	420
	06/06/95	--	--	--	--	--	--	--	--	--	--
	09/07/95	11.20	0.00	9.55	9,700	1,400	820	650	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	230	24.6	46.6	61.1
	09/27/96	11.13	0.00	9.76	5,160	1,190	<750	1,190	237	86.3	272
	03/28/97	11.19	0.00	9.70	--	--	--	--	--	--	--
	06/30/97	10.66	0.00	10.23	--	--	--	--	--	--	--
	09/08/97	10.48	0.00	10.41	--	--	--	--	--	--	--
	12/19/97	--	--	--	--	--	--	--	--	--	--
	3/16/98	--	--	--	--	--	--	--	--	--	--
	6/26/98	11.18	0.00	9.57	--	--	--	--	--	--	--
	9/23/98	11.90	0.00	8.85	--	--	--	--	--	--	--
	12/17/98	11.03	0.00	9.72	--	--	--	--	--	--	--
MTCA Method A Cleanup Level					1,000 ^a			5	40	30	20

Continued on Page 2.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Facility 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	
MW-34 21.42	03/08/95	11.62	0.00	10.08	8,200	1,100	480	2,400	1,600	260	1,300	
	06/06/95	11.73	0.00	9.97	9,100	2,300	<750	4,200	1,000	330	1,200	
	09/07/95	11.57	0.00	9.85	18,000	1,800	930	4,800	2,300	660	2,000	
	12/08/95	10.92	0.00	10.50	68,000	2,900	1,600	12,000	9,200	1,200	6,600	
	04/01/96	11.21	0.00	10.21	10,000	1,900	<750	6,600	580	620	1,200	
	06/25/96	11.19	0.00	10.23	13,700	1,160	<750	4,190	1,110	383	1,740	
	09/27/96	11.58	0.00	10.12	16,300	1,030	<750	6,010	2,620	641	1,310	
	03/28/97	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	8,390	466	<750	3,920	646	667	1,270	
	12/19/97	--	--	--	--	--	--	--	--	--	--	
	3/16/98	--	--	--	--	--	--	--	--	--	--	
	6/26/98 ^{NP}	11.42	0.00	10.00	76,900	3,090	<750	13,400	11,100	2,310	9,090	
	9/23/98 ^{NP}	12.23	0.00	9.19	9,040	3,000	799	3,640	243	636	1,660	
	12/17/98 ^{NP}	11.35	0.00	10.07	80,900	6,470	1,380	14,200	10,800	3,110	11,800	
	MW-35 20.10	03/08/95	10.67	0.00	9.60	2,600	1,200	1,300	400	<25	120	83
		06/06/95	10.67	0.00	9.60	810	1,000	930	62	1.4	27	36
09/07/95		10.87	0.00	9.43	--	--	--	--	--	--	--	
12/08/95		0.00	--	--	--	--	--	--	--	--	--	
04/01/96		--	--	--	--	--	--	--	--	--	--	
06/25/96		11.11	0.00	8.99	1,620	860	<750	68.2	1.11	26.7	17.6	
09/27/96		10.64	0.00	9.63	959	624	<750	36.8	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	1,800	<250	<750	260	2.62	49.1	8.04	
06/30/97 ^{NP}		10.19	0.00	10.08	1,900	<250	<750	348	<2.50	86.0	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		--	--	--	--	--	--	--	--	--	--	
3/16/98 ^{NP}		10.64	0.00	9.46	906	381	<750	410	4.24	<2.50	<5.00	
6/26/98 ^{NP}		10.65	0.00	9.45	1,300	682	<750	600	<10.0	46.1	<20.0	
9/23/98 ^{NP}	11.38	0.00	8.72	666	668	<750	243	<2.50	<2.50	<5.00		
12/17/98 ^{NP}	10.49	0.00	9.61	699	672	<750	402	<2.50	10.8	9.99		
MW-36 17.80	03/08/95	9.07	0.00	8.97	<50	660	1,200	2.6	<0.5	<0.5	<1.0	
	06/06/95	7.92	0.00	10.12	<50	<250	<750	1.0	<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	610	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	0.580	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}	6.88	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	
	3/16/98 ^{NP}	9.29	0.00	8.51	56.6	287	<750	<0.500	<0.500	<0.500	<1.00	
	6/26/98 ^{NP}	8.47	0.00	9.33	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	
	9/23/98 ^{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		
MW-37 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	46	4,600	2,600	3,700	2,400	1,300	7,900	
	06/06/95	11.76	0.01	9.43	90	--	--	6,100	6,000	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	--	--	--	--	--	--	--	
	06/25/96	10.82	0.20	10.19	--	--	--	--	--	--	--	
	09/27/96	11.47	0.06	9.75	--	--	--	--	--	--	--	
	03/28/97 ^{NP}	11.14	0.25	10.40	60,100	7,670	789	1,630	2,180	1,660	7,440	
	03/28/97	11.14	0.26	10.40	297,000	46,100	<8,250	6,670	13,200	4,930	22,900	
	06/30/97	10.80	0.02	10.23	--	--	--	--	--	--	--	
	09/08/97	11.41	0.23	9.77	--	--	--	--	--	--	--	
	12/19/97	11.28	0.02	9.75	--	--	--	--	--	--	--	
	3/16/98	11.11	0.01	8.90	--	--	--	--	--	--	--	
	6/26/98	11.32	0.01	9.70	--	--	--	--	--	--	--	
9/23/98	12.01	0.03	9.03	--	--	--	--	--	--	--		
12/17/98	11.00	Trace	10.01	--	--	--	--	--	--	--		

MTCA Method A Cleanup Level

1,000^u

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TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Facility 5353
600 Westlake Avenue North
Seattle, Washington
Page 3 of 5

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
MW-38 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	--	--	--	--	--	--	--	--	--	--
	3/16/98	--	--	--	--	--	--	--	--	--	--
	6/26/98	--	--	--	--	--	--	--	--	--	--
9/23/98	--	--	--	--	--	--	--	--	--	--	
12/17/98	--	--	--	--	--	--	--	--	--	--	
MW-40 20.89	03/08/95	10.98	0.00	10.14	960	2,600	2,600	11	<0.5	11	<1.0
	06/06/95	11.18	0.00	9.94	1,600	2,300	1,600	6.8	4.3	4.1	21
	09/07/95	11.08	0.00	9.81	650	13,000	66,000	11	0.91	0.57	<1.0
	12/08/95	10.30	0.00	10.59	500	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	600	2,700	8,460	<0.500	9.82	<0.500	<1.00
	09/27/96	10.95	0.00	10.17	602	3,650	9,860	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	326	3,260	12,600	<0.500	0.504	0.663	2.44
	3/16/98	--	--	--	--	--	--	--	--	--	--
	6/26/98	--	--	--	--	--	--	--	--	--	--
9/23/98	--	--	--	--	--	--	--	--	--	--	
12/17/98 ^{NP}	10.86	0.00	10.03	384	2,840	9,620	<0.500	<0.500	<0.500	<1.00	
MW-41 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	--	--	--	--	--	--	--	--	--	--
	3/16/98	--	--	--	--	--	--	--	--	--	--
	6/26/98	--	--	--	--	--	--	--	--	--	--
9/23/98	--	--	--	--	--	--	--	--	--	--	
12/17/98	--	--	--	--	--	--	--	--	--	--	
MW-42 20.34	03/08/95	9.45	0.00	10.91	130	570	1,200	790	<25	<25	<50
	06/06/95	9.37	0.00	10.89	120	920	1,600	500	<0.56	<0.5	<1.0
	09/07/95	9.50	0.00	10.84	3,000	780	1,200	210	4.1	42	230
	12/08/95	8.95	0.00	11.39	200	1,300	1,600	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	160	<0.500	<0.500	<1.00
	09/27/96	9.12	0.00	11.24	<250	534	<750	220	<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	--	--	--	--	--	--	--	--	--	--
	3/16/98	9.53	0.00	10.81	--	--	--	--	--	--	--
	6/26/98	9.51	0.00	10.83	--	--	--	--	--	--	--
9/23/98	9.96	0.00	10.38	--	--	--	--	--	--	--	
12/17/98	9.10	0.00	11.24	--	--	--	--	--	--	--	

MTCA Method A Cleanup Level

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Continued on Page 4.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Facility 5353
600 Westlake Avenue North
Seattle, Washington
Page 4 of 5

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
MW-43 21.04	03/08/95	11.35	0.00	9.94	<50	660	2,400	26	<0.5	<0.5	<1.0
	06/06/95	11.45	0.00	9.84	<50	690	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	660	3,100	37	<0.5	<0.5	<1.0
	04/01/96	10.98	0.00	10.06	<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	4.40	<0.5	<0.500	<1.00
	03/28/97	11.13	0.00	9.96	<50.0	<250	<750	6.89	0.884	<0.500	2.47
	06/30/97 ^{NP}	7.08	0.00	14.21	<50.0	<250	<750	69.2	<0.500	<0.500	<1.00
	09/08/97 ^{NP}	11.46	0.00	9.83	83	<250	<750	36.5	<0.500	2.10	3.08
	12/19/97	--	--	--	--	--	--	--	--	--	--
	3/16/98 ^{NP}	11.09	0.00	9.95	76.3	408	<750	26.6	<0.500	<0.500	<1.00
	6/26/98 ^{NP}	11.26	0.00	9.78	<50.0	346	<750	69.6	<0.500	<0.500	<1.00
	9/23/98 ^{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
MW-44 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	520	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
	3/16/98 ^{NP}	8.43	0.00	10.30	60.0	310	<750	<0.500	<0.500	<0.500	<1.00
	6/26/98 ^{NP}	8.37	0.00	10.36	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00
	9/23/98 ^{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
MW-46 16.91	03/08/95	8.00	0.00	8.91	<50	720	3,600	<0.5	<0.5	<0.5	<1.0
	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	6,600	<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	2,090	<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
	3/16/98	--	--	--	--	--	--	--	--	--	--
	6/26/98	--	--	--	--	--	--	--	--	--	--
	9/23/98	--	--	--	--	--	--	--	--	--	--
	12/17/98 ^{NP}	9.20	0.00	7.71	<50.0	354	<750	<0.500	<0.500	<0.500	<1.00
MW-47 19.83	03/08/95	10.88	0.00	9.16	<50	330	1,600	5.3	<0.5	<0.5	<1.0
	06/06/95	10.91	0.00	9.13	70	380	750	16	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	680	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	7.61	<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	--	--	--	--	--	--	--	--	--	--
	3/16/98	--	--	--	--	--	--	--	--	--	--
	6/26/98 ^{NP}	10.78	0.00	9.05	<50.0	356	<750	27.3	<0.500	<0.500	<1.00
	9/23/98	--	--	--	--	--	--	--	--	--	--
12/17/98 ^{NP}	10.61	0.00	9.22	<50.0	<250	<750	3.34	<0.500	<0.500	1.12	

MTCA Method A Cleanup Level

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Continued on Page 5.

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
 Tosco Facility 5353
 600 Westlake Avenue North
 Seattle, Washington
 Page 5 of 5

Well Name	Sample Date	DTW	LPH	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X
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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 WTPH-G.

TPH-D and TPH-O = Total petroleum hydrocarbons as diesel and as oil (respectively) by Ecology Method WTPH-D (Extended).

B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes.

BTEX = Aromatic compounds by EPA Method 8020.

NP = Well not purged prior to sampling.

< = Less than the stated laboratory reporting limit.

- = Not analyzed or no data.

Shaded values equal or exceed MTCA Method A Cleanup Levels.

^a Total Petroleum Hydrocarbons

Data collected before 12/19/97 are taken from prior consultants.



NORTH CREEK ANALYTICAL

Environmental Laboratory Services

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ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
SMW-3	B812405-01	Water	12/17/98
MW-34	B812405-02	Water	12/17/98
MW-35	B812405-03	Water	12/17/98
MW-36	B812405-04	Water	12/17/98
MW-40	B812405-05	Water	12/17/98
MW-43	B812405-06	Water	12/17/98
MW-44	B812405-07	Water	12/17/98
MW-46	B812405-08	Water	12/17/98
MW-47	B812405-09	Water	12/17/98



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ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				B812405-01			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		99.4	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		101	"	
				B812405-02			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		25000	80900	ug/l	
Benzene	"	"	"		250	14200	"	
Toluene	"	"	"		250	10800	"	
Ethylbenzene	"	"	"		250	3110	"	
Xylenes (total)	"	"	"		500	11800	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		90.8	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		101	"	
				B812405-03			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		250	699	ug/l	
Benzene	"	"	"		2.50	402	"	
Toluene	"	"	"		2.50	ND	"	
Ethylbenzene	"	"	"		2.50	10.8	"	
Xylenes (total)	"	"	"		5.00	9.99	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		93.8	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		103	"	
				B812405-04			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	0.533	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		100	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		101	"	
				B812405-05			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		50.0	384	ug/l	
Benzene	"	"	"		0.500	ND	"	

North Creek Analytical - Bothell

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

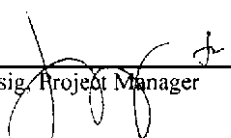

 Matthew Essig, Project Manager

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ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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**Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
 North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-40 (continued)				B812405-05			Water	
Toluene	1280757	12/29/98	12/29/98		0.500	ND	ug/l	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		128	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		113	"	
MW-43				B812405-06			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	33.0	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		97.5	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		102	"	
MW-44				B812405-07			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		96.7	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		102	"	
MW-46				B812405-08			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		1.00	ND	"	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		98.1	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		100	"	
MW-47				B812405-09			Water	
Gasoline Range Hydrocarbons	1280757	12/29/98	12/29/98		50.0	ND	ug/l	
Benzene	"	"	"		0.500	3.34	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	


 Matthew Essig, Project Manager



NORTH CREEK ANALYTICAL

Environmental Laboratory Services


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ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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**Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
 North Creek Analytical - Bothell**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>MW-47 (continued)</u>				<u>B812405-09</u>			<u>Water</u>	
Xylenes (total)	1280757	12/29/98	12/29/98		1.00	1.12	ug/l	
Surrogate: 4-BFB (FID)	"	"	"	50.0-150		97.1	%	
Surrogate: 4-BFB (PID)	"	"	"	50.0-150		102	"	

Matthew Essig, Project Manager





NORTH CREEK ANALYTICAL

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ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended) North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
SMW-3				<u>B812405-01</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	0.293	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		57.2	%	
MW-34				<u>B812405-02</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	5.47	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	1.38	"	
Surrogate: 2-FBP	"	"	"	50.0-150		56.9	%	
MW-35				<u>B812405-03</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	0.572	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		66.8	%	
MW-36				<u>B812405-04</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	0.288	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		53.7	%	
MW-40				<u>B812405-05</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		1.25	2.84	mg/l	l
Heavy Oil Range Hydrocarbons	"	"	"		3.75	9.62	"	
Surrogate: 2-FBP	"	"	"	50.0-150		55.0	%	
MW-43				<u>B812405-06</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	ND	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		51.8	%	
MW-44				<u>B812405-07</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	0.271	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		60.7	%	
MW-46				<u>B812405-08</u>		Water		
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	0.354	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		61.7	%	

North Creek Analytical - Bothell

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


 Matthew Essig, Project Manager

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 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132



NORTH CREEK ANALYTICAL

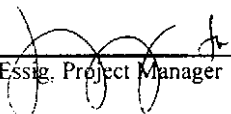
Environmental Laboratory Services

BOTHELL ■ (425) 420-9200 ■ FAX 420-9210
 SPOKANE ■ (509) 924-9200 ■ FAX 924-9290
 PORTLAND ■ (503) 906-9200 ■ FAX 906-9210

ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended)
North Creek Analytical - Bothell

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-47				B812405-09			Water	
Diesel Range Hydrocarbons	1280619	12/22/98	12/24/98		0.250	ND	mg/l	
Heavy Oil Range Hydrocarbons	"	"	"		0.750	ND	"	
Surrogate: 2-FBP	"	"	"	50.0-150		53.4	%	


 Matthew Essig, Project Manager



NORTH CREEK ANALYTICAL

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ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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Gasoline Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B/Quality Control North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1280757			Date Prepared: 12/29/98			Extraction Method: EPA 5030B (P/T)				
Blank			1280757-BLK1							
Gasoline Range Hydrocarbons	12/29/98			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	1.00				
Surrogate: 4-BFB (FID)	"	48.0		46.6	"	50.0-150	97.1			
Surrogate: 4-BFB (PID)	"	48.0		48.0	"	50.0-150	100			
LCS			1280757-BS1							
Gasoline Range Hydrocarbons	12/29/98	500		495	ug/l	70.0-130	99.0			
Surrogate: 4-BFB (FID)	"	48.0		48.1	"	50.0-150	100			
Duplicate			1280757-DUP1 B812405-02							
Gasoline Range Hydrocarbons	12/29/98		80900	84400	ug/l			25.0	4.23	
Surrogate: 4-BFB (FID)	"	48.0		50.0	"	50.0-150	104			
Duplicate			1280757-DUP2 B812405-03							
Gasoline Range Hydrocarbons	12/29/98		699	777	ug/l			25.0	10.6	
Surrogate: 4-BFB (FID)	"	48.0		53.4	"	50.0-150	111			
Matrix Spike			1280757-MS1 B812405-01							
Benzene	12/29/98	10.0	ND	8.95	ug/l	70.0-130	89.5			
Toluene	"	10.0	ND	8.73	"	70.0-130	87.3			
Ethylbenzene	"	10.0	ND	9.12	"	70.0-130	91.2			
Xylenes (total)	"	30.0	ND	27.6	"	70.0-130	92.0			
Surrogate: 4-BFB (PID)	"	48.0		48.7	"	50.0-150	101			
Matrix Spike Dup			1280757-MSD1 B812405-01							
Benzene	12/29/98	10.0	ND	8.93	ug/l	70.0-130	89.3	15.0	0.224	
Toluene	"	10.0	ND	8.70	"	70.0-130	87.0	15.0	0.344	
Ethylbenzene	"	10.0	ND	9.10	"	70.0-130	91.0	15.0	0.220	
Xylenes (total)	"	30.0	ND	27.4	"	70.0-130	91.3	15.0	0.764	
Surrogate: 4-BFB (PID)	"	48.0		47.7	"	50.0-150	99.4			


 Matthew Essig, Project Manager



NORTH CREEK ANALYTICAL

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ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended)/Quality Control North Creek Analytical - Bothell

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1280619			Date Prepared: 12/22/98			Extraction Method: EPA 3520C/600 Series				
Blank										
Diesel Range Hydrocarbons	12/23/98			ND	mg/l	0.250				
Heavy Oil Range Hydrocarbons	"			ND	"	0.750				
Surrogate: 2-FBP	"	0.332		0.199	"	50.0-150	59.9			
LCS										
1280619-BS1										
Diesel Range Hydrocarbons	12/23/98	2.00		1.75	mg/l	60.0-140	87.5			
Surrogate: 2-FBP	"	0.332		0.201	"	50.0-150	60.5			
Duplicate										
1280619-DUP1 B812373-03										
Diesel Range Hydrocarbons	12/23/98		ND	0.278	mg/l			44.0		2
Heavy Oil Range Hydrocarbons	"		ND	ND	"			44.0		
Surrogate: 2-FBP	"	0.632		0.382	"	50.0-150	60.4			
Duplicate										
1280619-DUP2 B812405-05										
Diesel Range Hydrocarbons	12/23/98		2.84	1.68	mg/l			44.0	51.3	2
Heavy Oil Range Hydrocarbons	"		9.62	4.73	"			44.0	68.2	2
Surrogate: 2-FBP	"	0.626		0.322	"	50.0-150	51.4			

Matthew Essig, Project Manager



ERI 1921 Edmonds Drive SE Renton, WA 98055	Project: TOSCO #5353 Project Number: 31020 Project Manager: John Meyer	Sampled: 12/17/98 Received: 12/18/98 Reported: 12/31/98 11:27
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Notes and Definitions

#	Note
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- 1 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
- 2 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit.
- 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
- Recov. Recovery
- RPD Relative Percent Difference

TOSCO CHAIN OF CUSTODY REPORT

B812405-

TOSCO INFORMATION

Facility Number: *5353 Wrentlope*
 Site Address: *600 Wrentlope Ave N*
 City/State/ZIP: *Beaverton, WA*
 Site Release Number:
 Tosco Manager: *TIM JOHNSON*
 CERT INFO: (check one) Evaluation Remediation Demolition Closure Miscellaneous

CONSULTANT INFORMATION

Firm: *ERI* Project# *31020*
 Address: *1921 Edwards Dr SE*
Renton, WA 98055
 Phone: *(825) 227-0290* Fax: *x 0225*
 Project Manager: *John Meyer*
 Sample Collection by: *John Meyer*

Chain of Custody Record #:
 Quality Assurance Data Level:
 A B
 A: Standard Summary
 B: Standard + Chromatograms
 Laboratory Turnaround Days:
 10 5 3 2 1

SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W.S.O)	# OF CON-TAINERS
<i>SMW-3</i>	<i>12/17/98</i>	<i>W</i>	<i>3</i>
<i>MW-34</i>			
<i>MW-35</i>			
<i>MW-36</i>			
<i>MW-40</i>			
<i>MW-43</i>			
<i>MW-44</i>			
<i>MW-46</i>			
<i>MW-47</i>			
10.			

TPH-HCID	TPH-Gas	BTEX	EPA 8021 Mod	TPH-Gas + BTEX	TPH-Diesel	TPH-Diesel/Exr	Extended	w/SG Cleanup	Halogen. Volatiles	EPA 8021	Pesticides/CBs	or PCBs Only	GCMS Volatiles	EPA 8260	GCMS SemiVols.	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	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

NCA SAMPLE NUMBER

B812405 - 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09

Relinquished by: *S. Wicken RCA* Date & Time: *12/18/98*
 Firm: *ERI*
 Received by: *S. Wicken RCA* Date & Time: *12/18/98*
 Firm: *NCA*
 Comments: *12/18/98 1715*
 Date: *12/18/98*
 Signature: *[Signature]*

Final Report Approval

Were all requested results provided? yes no Define

Were results within requested turnaround? yes no "No" on back

Final Approval Signature: _____ Date: _____

