

10000 411259
 TO SCo 6380
 Bellingham
 DATE: January 23, 2003

**CONOCOPHILLIPS CORPORATION
 GROUNDWATER MONITORING REPORT**

Site No.: 6380 Address: 200 South 36th Street, Bellingham, Washington
 ConocoPhillips Site 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) [Fourth - 2002]:

- Monitored, purged, and sampled 4 groundwater monitoring wells

WORK PROPOSED FOR NEXT QUARTER [First - 2003]:

- Monitor, purge, and sample 4 groundwater monitoring wells

SUMMARY:

Frequency of Sampling Events:	<u>Quarterly</u>	(Quarterly, etc.)
Approximate Depth to Groundwater:	<u>5 to 10 ft</u>	(Measured Feet)
Groundwater Gradient:	<u>Northerly and Easterly</u>	(Direction)
	<u>0.01 ft/ft</u>	(Magnitude)
Maximum TPH-G/Benzene Concentrations:	<u>373/106</u>	(ppb)
Measurable Free Product Detected:	<u>None</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>None</u>	(Distance &
Radius and Respective Direction:	<u>None</u>	Direction)
Current Remedial Action:	<u>None</u>	(SVE/AS/P&T etc.)
Permits for Discharge:	<u>None</u>	(NPDES, POTW, etc.)

DISCUSSION:

- MW1 contained a benzene concentration exceeding the MTCA Method A Cleanup Level.

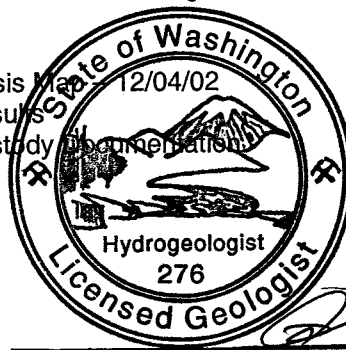
ATTACHMENTS:

- Plate 1: Groundwater Sample Analysis Map 12/04/02
- Table 1: Groundwater Analytical Results
- Laboratory Reports and Chain of Custody Documentation
- Field Data Records

Prepared By:

Amanda R. Graves

Amanda R. Graves
 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
 Mr. Frank Diehl, Keith Oil Corporation

CM
 ENTERED
 27 03

RECEIVED
 JAN 30 2003
 DEPT OF ECOLOGY

02/02/01	02/08/02	09/20/02	12/04/02
<50.0	<50.0	<50.0	<50.0
<250	<250	<250	<250
<750	<500	<500	<500
<0.500	<0.500	<0.500	<0.500
<0.500	<0.500	<0.500	<0.500
<0.500	<0.500	<0.500	<0.500
<1.00	<1.00	<1.00	<1.00
--	40.6	<1.00	2.89

BILL McDONALD PARKWAY

05/25/98	Sample Date
210	Total Petroleum Hydrocarbons as Gasoline
383	Total Petroleum Hydrocarbons as Diesel
<500	Total Petroleum Hydrocarbons as Oil
<0.500	Benzene
<0.500	Toluene
3.04	Ethylbenzene
40.8	Total Xylenes
--	Total Lead

Laboratory Results
in ug/L (ppb)

Numbers in Red Exceed
MTCA Method A Cleanup Levels
-- = Not Analyzed

< 1.00 = Less than the Stated Laboratory Reporting Limit

02/02/01	02/08/02	09/20/02	12/04/02
<50.0	838	197	373
588	1,800	1,320	511
<750	<500	<588	<588
12.4	128	1.82	108
1.02	2.15	<0.500	1.32
1.10	85.4	33.0	1.38
2.77	6.55	<1.00	5.41
--	7.70	<1.00	4.65

SAMISH WAY

02/02/01	02/08/02	09/20/02	12/04/02
<50.0	<50.0	<50.0	<50.0
<250	<250	<250	<250
<750	<500	<500	<500
<0.500	<0.500	<0.500	<0.500
<0.500	<0.500	<0.500	<0.500
<0.500	<0.500	<0.500	<0.500
<1.00	<1.00	<1.00	<1.00
--	3.30	<1.00	<1.00

MW2
91.59

MW1
91.44

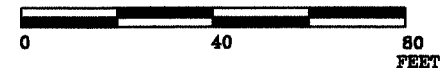
MW4
92.41

02/02/01	02/08/02	09/20/02	12/04/02
63.0	91.5	129	147
413	410	372	371
<750	<500	<500	<500
<0.500	<0.500	<0.500	<0.500
<0.500	<0.500	<0.500	<0.500
0.503	<0.500	<0.500	<0.500
<1.00	<1.00	<1.00	<1.00
--	22.3	<1.00	4.80

MW3
92.58

SOUTH 36TH STREET

APPROXIMATE SCALE



SOURCE: Modified
from maps provided by
ConocoPhillips Corporation

FN 31065.13



**GROUNDWATER SAMPLE
ANALYSIS MAP - 12/04/02**

TOSCO SITE NO. 6380
200 South 36th Street
Bellingham, Washington

EXPLANATION

MW3 Groundwater Monitoring Well
92.65 Groundwater Elevation

PROJECT NO.

31065

PLATE

1

ARG: 01/02/03

TABLE 1
GROUNDWATER ANALYTICAL RESULTS

Tosco Site No. 6380
200 South 36th Street
Bellingham, Washington
Page 1 of 1

Well Name	Sample Date	DTW	GW Elev.	TPH-G	TPH-D	TPH-O	B	T	E	X	Total Pb	Diss Pb
MW1 98.49	03/11/99	4.96	93.53	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	2.41	--
	05/25/99	5.33	93.16	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
	08/12/99	6.66	91.83	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--
	12/07/99	6.10	92.39	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	6.18	--
	02/10/00	6.10	92.39	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	1.75	--
	02/02/01	5.17	93.32	<50.0	588	<750	12.4	1.02	1.10	2.77	--	<1.00
	02/08/02	5.77	92.72	838	1,600	<500	128	2.15	85.4	6.55	7.70	<1.00
	09/20/02	6.27	92.22	197	1,320	<588	1.82	<0.500	33.0	<1.00	<1.00	--
	12/04/02	7.05	91.44	373	511	<568	106	1.32	1.39	5.41	4.65	--
MW2 100.74	03/11/99	7.93	92.81	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	162	--
	05/25/99	8.18	92.56	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
	08/12/99	8.94	91.80	<50.0	281	<750	<0.500	<0.500	<0.500	<1.00	--	--
	12/07/99	8.04	92.70	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	17.0	--
	02/10/00	8.32	92.42	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	49.1	--
	02/02/01	6.40	94.34	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	<1.00
	02/08/02	7.77	92.97	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	40.6	<1.00
	09/20/02	9.23	91.51	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--
12/04/02	9.15	91.59	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	2.89	--	
MW3 97.84	03/11/99	4.93	92.91	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	6.35	--
	05/25/99	5.19	92.65	210	383	<750	<0.500	<0.500	3.04	3.93	--	--
	08/12/99	5.70	92.14	56.3	<250	<750	<0.500	<0.500	0.732	1.84	--	--
	12/07/99	5.03	92.81	94.7	<250	<750	<0.500	0.598	<0.500	<1.00	4.40	--
	02/10/00	4.92	92.92	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	17.6	--
	02/02/01	4.76	93.08	63.0	413	<750	<0.500	<0.500	0.503	<1.00	--	<1.00
	02/08/02	4.59	93.25	91.5	410	<500	<0.500	<0.500	<0.500	<1.00	22.3	<1.00
	09/20/02	5.88	91.96	129	372	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--
12/04/02	5.26	92.58	147	371	<500	<0.500	<0.500	<0.500	<1.00	4.60	--	
MW4 99.44	03/11/99	6.39	93.05	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	29.0	--
	05/25/99	6.62	92.82	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
	08/12/99	7.31	92.13	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	--
	12/07/99	6.37	93.07	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	10.2	--
	02/10/00	6.48	92.96	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	23.6	--
	02/02/01	6.37	93.07	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	<1.00
	02/08/02	6.03	93.41	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	3.30	<1.00
	09/20/02	7.37	92.07	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--
12/04/02	7.03	92.41	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	<1.00	--	

MTCA Method A Cleanup Levels

1,000^a

5

40

30

20

5

5

EXPLANATION:

All concentrations are in ug/L (ppb).

Wellhead elevations were taken from prior consultants reports.

DTW = Depth to water in feet below top of casing

GW Elev. = Groundwater elevation relative to top of casing elevation

TPH-G = Total Petroleum Hydrocarbons as Gasoline by Ecology Method NWTPH-Gx

TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, by Ecology Method NWTPH-Dx

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

BTEX = Aromatic compounds by EPA Method 8021B

Total Pb = Total lead by EPA Method 6020, Diss Pb = Dissolved lead by EPA Method 6020

-- = Not Analyzed or Sampled

< = Less than the stated laboratory reporting limit

Shaded values equal or exceed MTCA Method A Cleanup Levels.

^a Total Petroleum Hydrocarbons

Data collected before 05/25/99 were taken from prior consultants.



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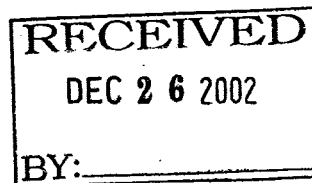
20 December 2002

John Meyer
ERI
815 Industry Dr
Tukwila, WA/USA 98188
RE: TOSCO #6380

Enclosed are the results of analyses for samples received by the laboratory on 12/05/02 14:50. 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 #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 12/20/02 19:32
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1	B2L0119-01	Water	12/04/02 12:00	12/05/02 14:50
MW2	B2L0119-02	Water	12/04/02 12:00	12/05/02 14:50
MW3	B2L0119-03	Water	12/04/02 12:00	12/05/02 14:50
MW4	B2L0119-04	Water	12/04/02 12:00	12/05/02 14:50

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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.


 Amar Gill, Project Manager

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Environmental Laboratory Network



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ERI
 815 Industry Dr
 Tukwila WA/USA, 98188

Project: TOSCO #6380
 Project Number: #31065
 Project Manager: John Meyer

Reported:
 12/20/02 19:32

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
MW1 (B2L0119-01) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Gasoline Range Hydrocarbons	373	50.0	ug/l	1	2L11003	12/11/02	12/11/02	NWTPH-Gx/8021B	
Benzene	106	2.50	"	5	"	"	12/11/02	"	
Toluene	1.32	0.500	"	1	"	"	12/11/02	"	
Ethylbenzene	1.39	0.500	"	"	"	"	"	"	
Xylenes (total)	5.41	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	97.9 %	57-125			"	"	"	"	
Surrogate: 4-BFB (PID)	94.0 %	62-120			"	"	"	"	
MW2 (B2L0119-02) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	2L11003	12/11/02	12/11/02	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	87.9 %	57-125			"	"	"	"	
Surrogate: 4-BFB (PID)	94.0 %	62-120			"	"	"	"	
MW3 (B2L0119-03) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Gasoline Range Hydrocarbons	147	50.0	ug/l	1	2L11003	12/11/02	12/11/02	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	106 %	57-125			"	"	"	"	
Surrogate: 4-BFB (PID)	89.8 %	62-120			"	"	"	"	

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Amar Gill, Project Manager

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 12/20/02 19:32
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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
MW4 (B2L0119-04) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	2L11003	12/11/02	12/11/02	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	"
Toluene	ND	0.500	"	"	"	"	"	"	"
Ethylbenzene	ND	0.500	"	"	"	"	"	"	"
Xylenes (total)	ND	1.00	"	"	"	"	"	"	"
Surrogate: 4-BFB (FID)	88.5 %	57-125			"	"	"	"	"
Surrogate: 4-BFB (PID)	93.1 %	62-120			"	"	"	"	"

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ERI
 815 Industry Dr
 Tukwila WA/USA, 98188

Project: TOSCO #6380
 Project Number: #31065
 Project Manager: John Meyer

Reported:
 12/20/02 19:32

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
MW1 (B2L0119-01) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Diesel Range Hydrocarbons	0.511	0.284	mg/l	1	2L09002	12/09/02	12/10/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	ND	0.568	"	"	"	"	"	"	
Surrogate: 2-FBP	93.4 %	48-113			"	"	"	"	
Surrogate: Octacosane	97.0 %	62-115			"	"	"	"	
MW2 (B2L0119-02) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	2L09002	12/09/02	12/10/02	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	92.0 %	48-113			"	"	"	"	
Surrogate: Octacosane	104 %	62-115			"	"	"	"	
MW3 (B2L0119-03) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Diesel Range Hydrocarbons	0.371	0.250	mg/l	1	2L09002	12/09/02	12/10/02	NWTPH-Dx	D-06
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	88.1 %	48-113			"	"	"	"	
Surrogate: Octacosane	92.5 %	62-115			"	"	"	"	
MW4 (B2L0119-04) Water Sampled: 12/04/02 12:00 Received: 12/05/02 14:50									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	2L09002	12/09/02	12/10/02	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
Surrogate: 2-FBP	70.2 %	48-113			"	"	"	"	
Surrogate: Octacosane	92.1 %	62-115			"	"	"	"	

North Creek Analytical - Bothell

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Amar Gill, Project Manager

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 12/20/02 19:32
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**Dissolved Metals by EPA 6000/7000 Series Methods
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW1 (B2L0119-01) Water	Sampled: 12/04/02 12:00 Received: 12/05/02 14:50								
Lead	0.00465	0.00100	mg/l	1	2L16021	12/16/02	12/16/02	EPA 6020	
MW2 (B2L0119-02) Water	Sampled: 12/04/02 12:00 Received: 12/05/02 14:50								
Lead	0.00289	0.00100	mg/l	1	2L16021	12/16/02	12/16/02	EPA 6020	
MW3 (B2L0119-03) Water	Sampled: 12/04/02 12:00 Received: 12/05/02 14:50								
Lead	0.00460	0.00100	mg/l	1	2L16021	12/16/02	12/16/02	EPA 6020	
MW4 (B2L0119-04) Water	Sampled: 12/04/02 12:00 Received: 12/05/02 14:50								
Lead	ND	0.00100	mg/l	1	2L16021	12/16/02	12/16/02	EPA 6020	

North Creek Analytical - Bothell

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Amar Gill, Project Manager

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 Environmental Laboratory Network**



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ERI
 815 Industry Dr
 Tukwila WA/USA, 98188

Project: TOSCO #6380
 Project Number: #31065
 Project Manager: John Meyer

Reported:
 12/20/02 19:32

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 2L11003: Prepared 12/11/02 Using EPA 5030B (P/T)

Blank (2L11003-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)	42.7		"	48.0		89.0	57-125			
Surrogate: 4-BFB (PID)	44.8		"	48.0		93.3	62-120			

LCS (2L11003-BS1)

Gasoline Range Hydrocarbons	502	50.0	ug/l	502		100	80-120			
Benzene	6.19	0.500	"	6.20		99.8	80-120			
Toluene	34.2	0.500	"	38.1		89.8	80-120			
Ethylbenzene	8.99	0.500	"	8.94		101	80-120			
Xylenes (total)	42.2	1.00	"	44.0		95.9	80-120			
Surrogate: 4-BFB (FID)	46.1		"	48.0		96.0	57-125			
Surrogate: 4-BFB (PID)	43.1		"	48.0		89.8	62-120			

LCS Dup (2L11003-BSD1)

Gasoline Range Hydrocarbons	499	50.0	ug/l	502		99.4	80-120	0.599	25	
Benzene	6.16	0.500	"	6.20		99.4	80-120	0.486	40	
Toluene	35.4	0.500	"	38.1		92.9	80-120	3.45	40	
Ethylbenzene	8.78	0.500	"	8.94		98.2	80-120	2.36	40	
Xylenes (total)	41.5	1.00	"	44.0		94.3	80-120	1.67	40	
Surrogate: 4-BFB (FID)	46.3		"	48.0		96.5	57-125			
Surrogate: 4-BFB (PID)	43.0		"	48.0		89.6	62-120			

Source: B2L0119-02

Matrix Spike (2L11003-MS1)

Gasoline Range Hydrocarbons	517	50.0	ug/l	502	12.3	101	70-130			
Benzene	6.39	0.500	"	6.20	0.135	101	80-134			
Toluene	34.7	0.500	"	38.1	ND	91.1	68-114			
Ethylbenzene	8.95	0.500	"	8.94	0.0616	99.4	72-128			
Xylenes (total)	42.5	1.00	"	44.0	ND	96.6	67-125			
Surrogate: 4-BFB (FID)	46.4		"	48.0		96.7	57-125			
Surrogate: 4-BFB (PID)	42.9		"	48.0		89.4	62-120			

North Creek Analytical - Bothell

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 12/20/02 19:32
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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 2L11003: Prepared 12/11/02 Using EPA 5030B (P/T)

Matrix Spike Dup (2L11003-MSD1)

Source: B2L0119-02

Gasoline Range Hydrocarbons	490	50.0	ug/l	502	12.3	95.2	70-130	5.36	25	
Benzene	5.61	0.500	"	6.20	0.135	88.3	80-134	13.0	40	
Toluene	31.8	0.500	"	38.1	ND	83.5	68-114	8.72	40	
Ethylbenzene	7.84	0.500	"	8.94	0.0616	87.0	72-128	13.2	40	
Xylenes (total)	37.3	1.00	"	44.0	ND	84.8	67-125	13.0	40	
Surrogate: 4-BFB (FID)	45.9		"	48.0		95.6	57-125			
Surrogate: 4-BFB (PID)	38.3		"	48.0		79.8	62-120			

North Creek Analytical - Bothell

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ERI
 815 Industry Dr
 Tukwila WA/USA, 98188

Project: TOSCO #6380
 Project Number: #31065
 Project Manager: John Meyer

Reported:
 12/20/02 19:32

Semivolatile Petroleum Products by NWT PH-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 2L09002: Prepared 12/09/02 Using EPA 3520C										
Blank (2L09002-BLK1)										
Diesel Range Hydrocarbons	ND	0.250	mg/l							
Lube Oil Range Hydrocarbons	ND	0.500	"							
Surrogate: 2-FBP	0.224		"	0.320		70.0	48-113			
Surrogate: Octacosane	0.273		"	0.320		85.3	62-115			
LCS (2L09002-BS1)										
Diesel Range Hydrocarbons	1.69	0.250	mg/l	2.00		84.5	63-107			
Surrogate: 2-FBP	0.256		"	0.320		80.0	48-113			
LCS Dup (2L09002-BSD1)										
Diesel Range Hydrocarbons	1.88	0.250	mg/l	2.00		94.0	63-107	10.6	40	
Surrogate: 2-FBP	0.272		"	0.320		85.0	48-113			

North Creek Analytical - Bothell

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ERI
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 Tukwila WA/USA, 98188

Project: TOSCO #6380
 Project Number: #31065
 Project Manager: John Meyer

Reported:
 12/20/02 19:32

Dissolved Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2L16021: Prepared 12/16/02 Using EPA 3005A										
Blank (2L16021-BLK1)										
Lead	ND	0.00100	mg/l							
LCS (2L16021-BS1)										
Lead	0.200	0.00100	mg/l	0.200		100	80-120			
LCS Dup (2L16021-BSD1)										
Lead	0.200	0.00100	mg/l	0.200		100	80-120	0.00	20	
Duplicate (2L16021-DUP1)										
Lead	0.00467	0.00100	mg/l			0.00465		0.429	20	Source: B2L0119-01
Matrix Spike (2L16021-MS1)										
Lead	0.107	0.00100	mg/l	0.100	0.00465	102	75-125			Source: B2L0119-01
Matrix Spike (2L16021-MS2)										
Lead	0.102	0.00100	mg/l	0.100	0.000274	102	75-125			Source: B2L0260-01
Matrix Spike Dup (2L16021-MSD1)										
Lead	0.108	0.00100	mg/l	0.100	0.00465	103	75-125	0.930	20	Source: B2L0119-01

North Creek Analytical - Bothell

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ERI 815 Industry Dr Tukwila WA/USA, 98188	Project: TOSCO #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 12/20/02 19:32
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Notes and Definitions

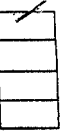
- D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

North Creek Analytical - Bothell

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TOSCO CHAIN OF CUSTODY REPORT B2L0119

TOSCO INFORMATION	
Facility Number:	6380
Site Address:	200 S. 36 th ST
City, State, ZIP:	Bellingham, WA
Project/AWO Code	
Tosco Manager:	TIM JOHNSON
FACILITY TYPE: (check one)	<input checked="" type="checkbox"/> BP/☉ <input type="checkbox"/> Terminal/Bulk Plant <input type="checkbox"/> Brown Bear <input type="checkbox"/> Former 76 Site <input type="checkbox"/> Other _____

CONSULTANT INFORMATION	
Firm:	ERT
Project#	1065
Address:	815 INDUSTRY DR TUKWILA, WA 98188
Phone:	(206) 575-6220
Fax:	X6423
Project Manager:	
E-mail:	
Sample Collection by:	

Quality Assurance Data Level:
 A B
 A: Standard Summary
 B: Standard + Chromatograms

Laboratory Turnaround Days:
 5 3 2 1
 10 Day - Standard

SAMPLE IDENTIFICATION	SAMPLING DATE / TIME	MATRIX (W,S,O)	# OF CONTAINERS	<input type="radio"/> OR <input type="radio"/> WA <input type="radio"/> AK <input checked="" type="radio"/> NW Series <input type="radio"/> ID													
				TPH-HCID	TPH-Gas	BTEX EPA 8021 Mod.	TPH-Gas + BTEX	TPH-Diesel	TPH-Diesel Extended	TPH-Diesel-Ext. w/SG Cleanup	Halogen. Volatiles EPA 8021	Pesticides/PCBs or PCBs Only	GC/MS Volatiles EPA 8260	GC/MS Semi Vols. EPA 8270	PAH's: 8270 SIM or 8310	Lead: Total or Dissolved TCLP or RSCA	Metals (8)
1. MW1	12/4/02	W	6				X	X								X	
2. MW2	11	1	6				X	X								X	
3. MW3	1	1	6				X	X								X	
4. MW4	1	1	6				X	X								X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

NCA SAMPLE NUMBER
B2L0119 - 01
02
03
04

	Relinquished by:	Firm:	Date & Time	Received by:	Firm:	Date & Time
1.	[Signature]	ERT	12/04/02	[Signature]	NCA	12/5/02 12:05
2.	[Signature]	NCA	12/5/02 11:50	[Signature]	NCA	12/5/02 14:00
3.						

Comments: w/d 9.2

