

DATE: March 3, 2000

**TOSCO MARKETING COMPANY
GROUNDWATER MONITORING REPORT**

Site No.: 6380 Address: 200 South 36th Street, Bellingham, 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) [First - 2000]:

- Monitored, purged, and sampled 4 groundwater monitoring wells

WORK PROPOSED FOR NEXT QUARTER [First - 2001]:

- Monitor, purge, and sample 4 monitoring wells

SUMMARY:

Frequency of Sampling Events:	<u>Annually ✓</u>	(Quarterly, etc.)
Approximate Depth to Groundwater:	<u>5 to 8 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>ND/ND</u>	(ppb)
Measurable Free Product Detected:	<u>No</u>	(Yes - ID wells(s)/No)
Free Product Recovered This Quarter:	<u>Not Applicable</u>	(gallons)
Cumulative Free Product Recovered to Date:	<u>Not Applicable</u>	(gallons)
Bulk Soil Removed This Quarter:	<u>Unknown</u>	(cubic yards)
Water Wells or Surface Waters w/in a 2000'	<u>Unknown</u>	(Distance &
Radius and Respective Direction:	<u>Not Applicable</u>	Direction)
Current Remedial Action:	<u>None</u>	(SVE/AS/P&T etc.)
Permits for Discharge:	<u>None</u>	(NPDES, POTW, etc.)

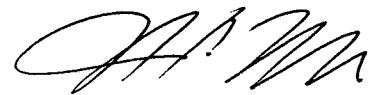
DISCUSSION:

- Lead concentrations were above MTCA Method A Cleanup Levels in 3 of 4 wells. *

ATTACHMENTS:

Plate P-1 - Groundwater Sample Analyses Map, 2/10/00
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

RECEIVED
MAR 23 2000
DEPT. OF ECOLOGY

RELEASE # 471259

TOSCO 6380

BELLINGHAM

LUST CLEANUP REPORT REVIEW

LUST # 471259 UST # 8394 Site Name TOSCO 6380

Change in Status of Release & Date (Awaiting Cleanup) (Cleanup Started) (Monitoring) (Reported Cleaned Up) (No Further Action) (Unknown) Date NC

Cause of Release (Overfill) (Piping Failure) (Spill)(Tank Failure) (Unknown) Remediation Technologies Used

Report Title MONITORING FEBRUARY 2000 Report Date 3/3/00

Report Type (Interim) (Monitoring) (Final) (Site Characterization) (Unknown)

Date Received 3/23/00 Contractor ENVIRONMENTAL RESOLUTIONS

Comments SAMPLED 2/10/2000. ANNUAL. ONLY LEAD DETECTED. LEAD 7 METHOD A IN WELLS 3 of 4 wells

Fund Source (LUST Trust Fund) (PLIA) (Responsible Party) (State Fund)

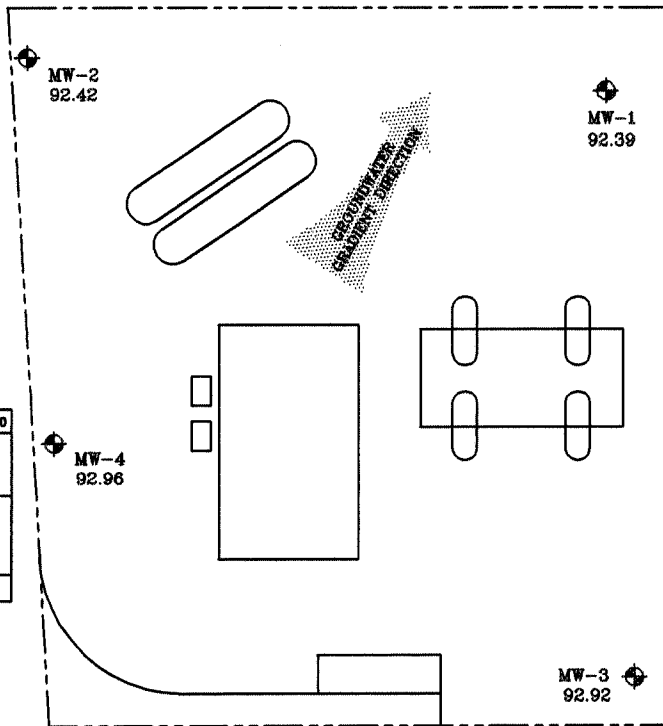
VCP/IRAP Status (Requested) (Not Requested) (Complete) Reviewed by [Signature] Date



Nov. 4, 1999 (GG)

REPORT 4.

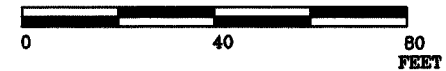
8/12/99	12/07/99	2/10/00
ND	ND	ND
281	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
---	17.0	49.1



8/12/99	12/07/99	2/10/00
ND	ND	ND
---	ND	ND
---	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
---	6.18	1.75



APPROXIMATE SCALE



8/12/99	12/07/99	2/10/00
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
---	10.2	23.6

8/12/99	12/07/99	2/10/00
56.3	94.7	ND
ND	ND	ND
ND	ND	ND
ND	ND	ND
ND	0.598	ND
0.732	ND	ND
1.84	ND	ND
---	4.40	17.6

Laboratory Results
in ug/L (ppb)

5/25/99	Sample Date
210	Total Petroleum Hydrocarbons as Gasoline
383	Total Petroleum Hydrocarbons as Diesel
ND	Total Petroleum Hydrocarbons as Oil
ND	Benzene
ND	Toluene
3.04	Ethylbenzene
3.93	Total Xylenes
---	Total Lead

Numbers in Red Exceed
MTC A Cleanup Levels
ND = Not Detected
-- = Not Analyzed

SOURCE: Modified
from maps provided by
Tosco Marketing Company

FN 6380001



GROUNDWATER SAMPLE ANALYSES MAP - 2/10/00

TOSCO FACILITY 6380
200 South 36th Street
Bellingham, Washington

EXPLANATION

◆ MW-3	Groundwater Monitoring Well
92.65	Relative Groundwater Elevation

PROJECT NO.

31065

PLATE

P-1

cc: 03/03/00

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
Tosco Facility 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
MW-1 98.49	3/11/99	4.96	93.53	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	2.41
	5/25/99	5.33	93.16	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	—
	8/12/99	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
	2/10/00	6.10	92.39	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	1.75
MW-2 100.74	3/11/99	7.93	92.81	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	162
	5/25/99	8.18	92.56	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	—
	8/12/99	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
	2/10/00	8.32	92.42	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	49.1
MW-3 97.84	3/11/99	4.93	92.91	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	6.35
	5/25/99	5.19	92.65	210	383	<750	<0.500	<0.500	3.04	3.93	—
	8/12/99	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
	2/10/00	4.92	92.92	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	17.6
MW-4 99.44	3/11/99	6.39	93.05	<50	<250	<750	<0.500	<0.500	<0.500	<1.00	29.0
	5/25/99	6.62	92.82	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	—
	8/12/99	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
	2/10/00	6.48	92.96	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	23.6
MTCA Method A Cleanup Level				1,000 ^a			5	40	30	20	5

EXPLANATION:

All concentrations in ug/L (ppb).

Wellhead elevations 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 WTPH-G.

TPH-D and TPH-O = Total Petroleum Hydrocarbons as Diesel and Oil, respectively, by Ecology Method WTPH-D (extended).

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

BTEX = Aromatic compounds by EPA Method 8020.

Total Pb = Total lead by EPA Method 7421.

— = Not analyzed or no data.

< = Less than the stated laboratory reporting limit.

Shaded values equal or exceed MTCA Method A Cleanup Levels.

^a Total Petroleum Hydrocarbons

Data collected before 05/26/99 are taken from prior consultants.



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ERI 1921 Edmonds Drive SE Renton WA, 98055	Project: Tosco #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 02/21/00 15:50
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	B0B0186-01	Water	02/10/00 13:00	02/10/00 14:40
MW-2	B0B0186-02	Water	02/10/00 13:30	02/10/00 14:40
MW-3	B0B0186-03	Water	02/10/00 14:00	02/10/00 14:40
MW-4	B0B0186-04	Water	02/10/00 14:30	02/10/00 14:40

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Steve Davis, Project Manager

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Environmental Laboratory Network**



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ERI
 1921 Edmonds Drive SE
 Renton WA, 98055

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

Reported:
 02/21/00 15:50

**Gasoline Range Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (B0B0186-01) Water Sampled: 02/10/00 13:00 Received: 02/10/00 14:40									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	0B11007	02/11/00	02/14/00	WTPH-G/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	99.6 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	94.0 %	50-150			"	"	"	"	
MW-2 (B0B0186-02) Water Sampled: 02/10/00 13:30 Received: 02/10/00 14:40									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	0B11007	02/11/00	02/14/00	WTPH-G/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	94.6 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	93.5 %	50-150			"	"	"	"	
MW-3 (B0B0186-03) Water Sampled: 02/10/00 14:00 Received: 02/10/00 14:40									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	0B11007	02/11/00	02/14/00	WTPH-G/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	98.5 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	97.3 %	50-150			"	"	"	"	

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**Gasoline Range Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G and EPA 8021B
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (B0B0186-04) Water Sampled: 02/10/00 14:30 Received: 02/10/00 14:40									
Gasoline Range Hydrocarbons	ND	50.0	ug/l	1	0B11007	02/11/00	02/14/00	WTPH-G/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	1.00	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	94.8 %	50-150			"	"	"	"	
Surrogate: 4-BFB (PID)	93.8 %	50-150			"	"	"	"	

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Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended)
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (B0B0186-01) Water Sampled: 02/10/00 13:00 Received: 02/10/00 14:40									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	0B12002	02/12/00	02/15/00	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	0.750	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>87.8 %</i>	<i>50-150</i>			"	"	"	"	
MW-2 (B0B0186-02) Water Sampled: 02/10/00 13:30 Received: 02/10/00 14:40									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	0B12002	02/12/00	02/15/00	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	0.750	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>55.8 %</i>	<i>50-150</i>			"	"	"	"	
MW-3 (B0B0186-03) Water Sampled: 02/10/00 14:00 Received: 02/10/00 14:40									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	0B12002	02/12/00	02/15/00	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	0.750	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>70.6 %</i>	<i>50-150</i>			"	"	"	"	
MW-4 (B0B0186-04) Water Sampled: 02/10/00 14:30 Received: 02/10/00 14:40									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	0B12002	02/12/00	02/15/00	WTPH-D	
Heavy Oil Range Hydrocarbons	ND	0.750	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>109 %</i>	<i>50-150</i>			"	"	"	"	

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**Total Metals by EPA 6000/7000 Series Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (B0B0186-01) Water Sampled: 02/10/00 13:00 Received: 02/10/00 14:40									
Lead	0.00175	0.00100	mg/l	1	0B14037	02/19/00	02/20/00	EPA 6020	
MW-2 (B0B0186-02) Water Sampled: 02/10/00 13:30 Received: 02/10/00 14:40									
Lead	0.0491	0.00100	mg/l	1	0B14037	02/19/00	02/20/00	EPA 6020	
MW-3 (B0B0186-03) Water Sampled: 02/10/00 14:00 Received: 02/10/00 14:40									
Lead	0.0176	0.00100	mg/l	1	0B14037	02/19/00	02/20/00	EPA 6020	
MW-4 (B0B0186-04) Water Sampled: 02/10/00 14:30 Received: 02/10/00 14:40									
Lead	0.0236	0.00100	mg/l	1	0B14037	02/19/00	02/20/00	EPA 6020	

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Gasoline Range Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G 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 0B11007: Prepared 02/11/00 Using EPA 5030B (P/T)

Blank (0B11007-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)	44.9		"	48.0		93.5	50-150			
Surrogate: 4-BFB (PID)	42.7		"	48.0		89.0	50-150			

Blank (0B11007-BLK2)

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)	45.1		"	48.0		94.0	50-150			
Surrogate: 4-BFB (PID)	44.5		"	48.0		92.7	50-150			

LCS (0B11007-BS1)

Gasoline Range Hydrocarbons	455	50.0	ug/l	500		91.0	70-130			
Surrogate: 4-BFB (FID)	51.4		"	48.0		107	50-150			

Duplicate (0B11007-DUP1)

Source: B0B0185-01

Gasoline Range Hydrocarbons	19300	10000	ug/l		20300			5.05	25	
Surrogate: 4-BFB (FID)	48.4		"	48.0		101	50-150			

Matrix Spike (0B11007-MS1)

Source: B0B0186-01

Benzene	9.85	0.500	ug/l	10.0	0.143	97.1	70-130			
Toluene	10.1	0.500	"	10.0	ND	101	70-130			
Ethylbenzene	10.2	0.500	"	10.0	ND	102	70-130			
Xylenes (total)	30.0	1.00	"	30.0	ND	100	70-130			
Surrogate: 4-BFB (PID)	45.7		"	48.0		95.2	50-150			

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 1921 Edmonds Drive SE
 Renton WA, 98055

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

Reported:
 02/21/00 15:50

Gasoline Range Hydrocarbons (Toluene to Dodecane) and BTEX by WTPH-G 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 0B11007: Prepared 02/11/00 Using EPA 5030B (P/T)										
Matrix Spike Dup (0B11007-MSD1)					Source: B0B0186-01					
Benzene	10.1	0.500	ug/l	10.0	0.143	99.6	70-130	2.51	15	
Toluene	10.3	0.500	"	10.0	ND	103	70-130	1.96	15	
Ethylbenzene	10.4	0.500	"	10.0	ND	104	70-130	1.94	15	
Xylenes (total)	30.5	1.00	"	30.0	ND	102	70-130	1.65	15	
Surrogate: 4-BFB (PID)	46.0		"	48.0		95.8	50-150			

North Creek Analytical - Bothell

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Steve Davis, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network



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 541.383.9310 fax 541.382.7588

ERI
 1921 Edmonds Drive SE
 Renton WA, 98055

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

Reported:
 02/21/00 15:50

**Diesel Hydrocarbons (C12-C24) and Heavy Oil (C24-C40) by WTPH-D (extended) - Quality Control
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0B12002: Prepared 02/12/00 Using EPA 3510C/600 Series										
Blank (0B12002-BLK1)										
Diesel Range Hydrocarbons	ND	0.250	mg/l							
Heavy Oil Range Hydrocarbons	ND	0.750	"							
<i>Surrogate: 2-FBP</i>	<i>0.303</i>		<i>"</i>	<i>0.320</i>		<i>94.7</i>	<i>50-150</i>			
LCS (0B12002-BS1)										
Diesel Range Hydrocarbons	1.82	0.250	mg/l	2.00		91.0	60-140			
<i>Surrogate: 2-FBP</i>	<i>0.315</i>		<i>"</i>	<i>0.320</i>		<i>98.4</i>	<i>50-150</i>			
Duplicate (0B12002-DUP1) Source: B0B0185-01										
Diesel Range Hydrocarbons	0.624	0.504	mg/l		0.532			15.9	44	
Heavy Oil Range Hydrocarbons	ND	1.51	"		ND				44	
<i>Surrogate: 2-FBP</i>	<i>0.606</i>		<i>"</i>	<i>0.645</i>		<i>94.0</i>	<i>50-150</i>			

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ERI 1921 Edmonds Drive SE Renton WA, 98055	Project: Tosco #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 02/21/00 15:50
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**Total 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 0B14037: Prepared 02/19/00 Using EPA 3020A										
Blank (0B14037-BLK1)										
Lead	ND	0.00100	mg/l							
LCS (0B14037-BS1)										
Lead	0.232	0.00100	mg/l	0.200		116	80-120			
Matrix Spike (0B14037-MS1) Source: B0B0205-02										
Lead	0.230	0.00100	mg/l	0.200	0.000650	115	75-125			
Matrix Spike Dup (0B14037-MSD1) Source: B0B0205-02										
Lead	0.217	0.00100	mg/l	0.200	0.000650	108	75-125	5.82	20	

North Creek Analytical - Bothell

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ERI 1921 Edmonds Drive SE Renton WA, 98055	Project: Tosco #6380 Project Number: #31065 Project Manager: John Meyer	Reported: 02/21/00 15:50
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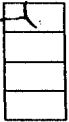
Notes and Definitions

- 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

Steve Davis, Project Manager

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TOSCO CHAIN OF CUSTODY REPORT

BOB 0186

TOSCO INFORMATION

Facility Number: 6380

Site Address: 200 S. 36th St.

City, State, ZIP: Bothell, WA

Project/AWO Code: 7706J&2511, 280 481, 030, 4000, 258280

Tosco Manager: Tim Johnson

FACILITY TYPE: (check one) BP/Ⓚ Terminal/Bulk Plant
 Brown Bear Former 76 Site Other

CONSULTANT INFORMATION

Firm: EKI Project# 31065

Address: 1921 Edwards Dr. SE
Renton, WA 98055

Phone: 425-227-0280 Fax: 425-0225

Project Manager: John Hoge E-mail:

Sample Collection by: Chris Carter

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

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

SAMPLE IDENTIFICATION	SAMPLING DATE / TIME	MATRIX (W.S.O)	# OF CON-TAINERS
1. <u>mw-1</u>	<u>2/10/00</u>	<u>W</u>	<u>4</u>
2. <u>mw-2</u>	↓	↓	↓
3. <u>mw-3</u>	↓	↓	↓
4. <u>mw-4</u>	↓	↓	↓
5.			
6.			
7.			
8.			
9.			
10.			

○ OR WA ○ AK ○ NW Series ○ 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: EPA 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							

NCA SAMPLE NUMBER

BOB0186-01

02

03

04

Relinquished by:	Firm:	Date & Time	Received by:	Firm:	Date & Time
<u>Chris Carter</u>	<u>EKI</u>	<u>2/10/00</u>	<u>Cathy Mitchell</u>	<u>NCA</u>	<u>2/10/00 14:40</u>

Comments:

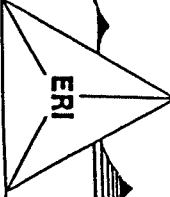
5.00 w/c

GROUNDWATER SAMPLING - FIELD LOG

Client Name: Tosco 6380
 Location: Bellingham
 Field Crew: CL

ERI Job No. 31065
 Date: 02/16/00
 Field Cleaning Performed: _____
 Analysis: _____

* - Case Volume = $(d_{\text{case}} - d_{\text{water}}) \times h \times F$ 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



ENVIRONMENTAL RESOLUTIONS, INC.

Well No.	Time	Depth Water (ft.)	Depth Well (ft.)	Case Dia. (in)	Case Vol* gal	Purge Vol. (gal)	Conduct. #S/CM (X1000)	Temp. Deg F	pH	TURB. NTU	PID PPH	Comments
2		6.32	21	2	2	6						
4		6.48	21	2	2.5	7.5						
3		4.92	21	2	2.5	7.5						
1		6.10	24	2	3	9						
						30						
						+20						
						50 gal Total						
		n/2	2	2								
			4									

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