



January 11, 2000

Mr. Brian Sato
Department of Ecology
Northwest Regional Office
3190 160th Ave SE
Bellevue, Washington 98008-5452

**RE: DECEMBER 1999 GROUNDWATER SAMPLING
ANALYTICAL RESULTS
QUEEN ANN TEXACO
SEATTLE, WASHINGTON
FARALLON PN: 619-010**

Dear Mr. Sato:

Farallon Consulting LLC (Farallon) has prepared this letter on behalf of Texaco to provide you with the analytical results from recent groundwater sampling at the above-referenced site completed on December 14th and 15th, 1999. The groundwater samples were collected to determine the distribution and concentrations of petroleum hydrocarbons in groundwater at the site.

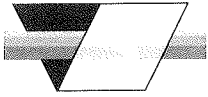
Monitoring well MW-6 and vapor well VP-1 contained free product approximately 1-inch and 3.25-inches thick, respectively at the time of the field investigation. Samples of the free product were submitted to Friedman & Bruya, Inc. for hydrocarbon identification. Groundwater samples were not collected from these wells. A thin layer of free product was also observed in vapor well VP-4, but a groundwater sample was not collected. Vapor well VP-6 was inaccessible at the time of the sampling event, therefore, Farallon was unable to collect a groundwater sample.

Groundwater samples collected from monitoring wells MW-4, MW-9, and MW-10; vapor wells VP-2, VP-5, VP-7, VP-8, and VP-9 were submitted for the following analyses: gasoline-range hydrocarbons by NWTPH-Gx, benzene, toluene, ethylbenzene, and xylenes by EPA 8021B, diesel- and oil-range hydrocarbons by NWTPH-Dx, and total and dissolved lead by EPA6000/7000 Series Methods. Groundwater samples from wells VP-7, MW-10, and MW-4 were submitted for analysis of dissolved ferrous Iron by PSEP, nitrate-nitrogen and sulfate by EPA Method 300.0, and dissolved manganese by EPA 6000/7000 Series Methods.

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A summary of the December 1999 analytical results is shown in Table 1 along with previous analytical results from October 1995 and quarterly sampling results from 1997 for comparison. The well locations and well labeling used for this, and all future sampling, is shown on the attached figure.


Farallon is currently evaluating the analytical results. In accordance with Texaco's request, product recovery will be initiated in MW-6, VP-1 and VP-4 immediately as an interim action. The product recovery will consist of absorbent pads placed in each of these wells with periodic removal and replacement.


A schedule and scope of work for the additional work which may be necessary at the site is in preparation at this time. Farallon will provide a scope of work and schedule once evaluation is completed.

Farallon trusts that this provides sufficient information. Feel free to contact either of the undersigned at (425) 427-0061 if you have any questions.

Sincerely,

Farallon Consulting LLC


Kim Saganski
Project Geologist


Peter Jewett
Principal

Attachments

- Table 1
- Figure 1
- Analytical Laboratory Reports

cc: Jeff Goold, Equiva Services LLC
Mike Nesteroff, Lane Powell Spears Lubersky
Mark Myers, William Kastner & Gibbs
Tom Vaughn; Equipose Corp

KS:gr

TABLE 1
 QUEEN ANN TEXACO
 GROUNDWATER ANALYTICAL DATA
 Oct. 1995 through Dec. 1999
 FARALLON PN: 619-010

Sample Number	Date Sampled	Gasoline Range Hydrocarbons (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (total) (ug/l)	m&p-xylene (ug/l)	o-xylene (ug/l)	Diesel Range Hydrocarbons (mg/l)
VP-2	Dec-99	5,980	935	345	43.8	305			29.9
VP-5	Dec-99	23,400	841	191	1,480	7,720			2.49
VP-7	Dec-99	73,400	16,800	9,670	1,890	10,500			3.31
	Nov-97	34,000	15,900	3,600	1,500	RA	4,800	1,800	NT
	Jul-97	37,000	11,000	3,700	1,500	RA	5,200	1,900	NT
	Apr-97	53,000	11,100	4,800	1,400	RA	5,400	2,200	NT
	Jan-97	51,000	124,000	5,200	990	RA	3,700	1,500	NT
	Oct-95	33,000	11,700	2,330	1,070	4,130			NT
VP-8	Dec-99	7,640	540	927	201	1,430			2.78
	Nov-97	830J	5.6	7	11	RA	23	9.6	NT
	Jul-97	9,100J	96	246	52	RA	706	274	NT
	Apr-97	18,000	605	786	119	RA	1,260	514	NT
	Jan-97	8,000	816	824	26	RA	412	182	NT
	Oct-95	3,100	2.5	1.2	3	16			NT
VP-9	Dec-99	118	ND	ND	ND	ND			ND
MW-4	Dec-99	73,300	13,700	13,500	1,830	11,000			3.34
	Nov-97	89,000	17,500	16,000	1,900	RA	8,800	3,400	NT
	Jul-97	120,000	19,600	19,700	2,100	RA	9,300	3,800	NT
	Apr-97	100,000	14,300	14,500	1,700	RA	7,800	3,200	NT
	Jan-97	88,000	12,900	12,400	1,400	RA	7,500	3,100	NT
	Oct-95	95,000	19,600E	12,000	2,070	10,800			NT
MW-9	Dec-99	4,460	831	22.4	274	138			8.51
	Nov-97	5,000	2,010	80	334	RA	356	44	NT
	Jul-97	2,200J	2,680	127	460	RA	561	59J	NT
	Apr-97	9,100	2,980	173	413	RA	554	120	NT
	Jan-97	4,400	2,600	53	310	RA	270	15	NT
	Oct-95	3,400	3,520	70J	200U	312J			NT
MW-10	Dec-99	618	7.02	ND	ND	ND			0.353
	Nov-97	1,000	4.2	2	4.8	RA	1.6	0.6J	NT
	Jul-97	1,100	10	2.1	2.4	RA	3.8	0.54J	NT
	Apr-97	420	5.1	1	1U	RA	2.0J	1.4U	NT
	Jan-97	180	1.5	1U	1U	RA	2U	1U	NT
	Oct-95	780	1.8	2.9	0.82J	5.6			NT

Dec-99 Sampled and reported by Farallon

Notes: ND - Not detected at or above the method reporting limit

NT - Not tested

Oct-95 to Nov-97- Data from Department of Ecology report *Monterey Apartments Groundwater Monitoring*

E - The analyte was not detected at or above the reported value

J - The analyte was positively identified. The associated numerical result is an estimate

P - The analyte was detected above the instrument detection limit but below the established minimum quantitation limit.

U- The analyte was not detected at or above the reported value.

RA- Reported as m&p xylene and o-xylene, total xylene not reported by Ecology.

TABLE 1
 QUEEN ANN TEXACO
 GROUNDWATER ANALYTICAL DATA
 Oct. 1995 through Dec. 1999
 FARALLON PN: 619-010

Sample Number	Oil Range Hydrocarbons (mg/l)	Lead (total) (mg/l)	Lead (dissolved) (mg/l)	Manganese (mg/l)	Ferrous Iron (mg/l)	Nitrate-Nitrogen (mg/l as N)	Sulfate (mg/l)
VP-2	ND	0.262	0.0617	NT	NT	NT	NT
VP-5	ND	0.00676	0.00275	NT	NT	NT	NT
VP-7	ND	0.00591	0.00211	7.76	11.7	ND	13.4
	NT	0.005	NT	NT	NT	NT	NT
	NT	0.0043J	NT	NT	NT	NT	NT
	NT	0.0034	NT	NT	NT	NT	NT
	NT	0.0093	NT	NT	NT	NT	NT
	NT	0.0056P	NT	NT	NT	NT	NT
VP-8	ND	0.0406	0.00502	NT	NT	NT	NT
	NT	0.0127	NT	NT	NT	NT	NT
	NT	0.023	NT	NT	NT	NT	NT
	NT	0.0246	NT	NT	NT	NT	NT
	NT	0.037	NT	NT	NT	NT	NT
	NT	0.0034P	NT	NT	NT	NT	NT
VP-9	ND	0.00572	ND	NT	NT	NT	NT
MW-4	ND	0.0198	0.00986	10.5	6.15	ND	ND
	NT	0.0162	NT	NT	NT	NT	NT
	NT	0.0195	NT	NT	NT	NT	NT
	NT	0.0207	NT	NT	NT	NT	NT
	NT	0.0365	NT	NT	NT	NT	NT
	NT	0.0306	NT	NT	NT	NT	NT
MW-9	ND	0.0150	0.00103	NT	NT	NT	NT
	NT	0.0033	NT	NT	NT	NT	NT
	NT	0.0086J	NT	NT	NT	NT	NT
	NT	0.0068	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT
	NT	0.0046P	NT	NT	NT	NT	NT
MW-10	ND	ND	ND	5.12	ND	0.720	70.6
	NT	0.0049	NT	NT	NT	NT	NT
	NT	0.0012J	NT	NT	NT	NT	NT
	NT	0.001U	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT
	NT	0.001U	NT	NT	NT	NT	NT

Dec-99 Sampled and reported by Farallon

Notes: ND - Not detected at or above the method reporting limit

NT - Not tested

Oct-95 to Nov-97- Data from Department of Ecology report *Monterey Apartments Groundwater Monitoring*

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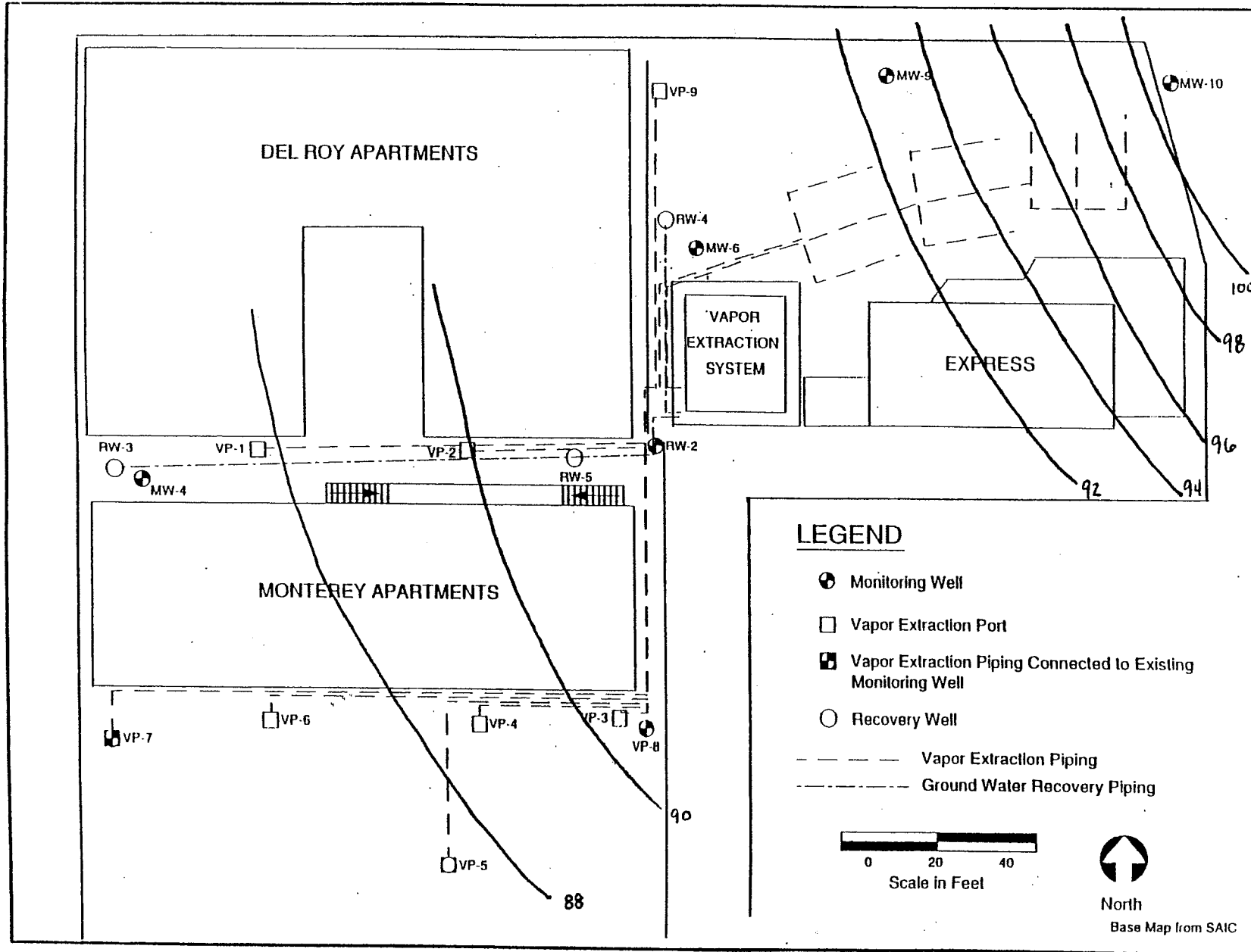


Figure 1: Queen Ann Texaco - Water Table Contour Measurements (11/3/86)



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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

28 December, 1999

Peter Jewett
Farallon Consulting LLC
320 Third Avenue NE, Suite 200
Issaquah, WA 98027

RE: Queen Ann Texaco

Enclosed are the results of analyses for samples received by the laboratory on 12/16/99 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kirk Gendron
Project Manager

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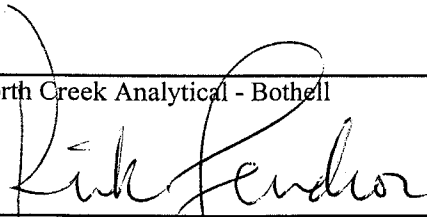


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Farallon Consulting LLC 320 Third Avenue NE, Suite 200 Issaquah WA, 98027	Project: Queen Ann Texaco Project Number: 619-010-003 Project Manager: Peter Jewett	Reported: 12/28/99 14:40
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VP-7	B9L0316-01	Water	12/14/99 15:15	12/16/99 14:15
VP-9	B9L0316-02	Water	12/15/99 09:30	12/16/99 14:15
MW-9	B9L0316-03	Water	12/15/99 10:20	12/16/99 14:15
MW-10	B9L0316-04	Water	12/15/99 11:30	12/16/99 14:15
MW-4	B9L0316-05	Water	12/15/99 13:35	12/16/99 14:15
VP-5	B9L0316-06	Water	12/15/99 15:10	12/16/99 14:15
VP-8	B9L0316-07	Water	12/15/99 15:50	12/16/99 14:15
VP-2	B9L0316-08	Water	12/15/99 16:00	12/16/99 14:15

North Creek Analytical - Bothell

 Kirk Gendron, Project Manager

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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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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
VP-7 (B9L0316-01) Water Sampled: 12/14/99 15:15 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	73400	10000	ug/l	200	9L17005	12/17/99	12/17/99	NWTPH-Gx/8021B	
Benzene	16800	100	"	"	"	"	"	"	"
Toluene	9670	100	"	"	"	"	"	"	"
Ethylbenzene	1890	100	"	"	"	"	"	"	"
Xylenes (total)	10500	200	"	"	"	"	"	"	"
Surrogate: 4-BFB (FID)		90.6 %	50-150		"	"	"	"	"
Surrogate: 4-BFB (PID)		100 %	50-150		"	"	"	"	"
VP-9 (B9L0316-02) Water Sampled: 12/15/99 09:30 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	118	50.0	ug/l	1	9L17005	12/17/99	12/17/99	NWTPH-Gx/8021B	
Benzene	ND	0.500	"	"	"	"	"	"	"
Toluene	ND	0.500	"	"	"	"	"	"	"
Ethylbenzene	ND	0.500	"	"	"	"	"	"	"
Xylenes (total)	ND	1.00	"	"	"	"	"	"	"
Surrogate: 4-BFB (FID)		89.2 %	50-150		"	"	"	"	"
Surrogate: 4-BFB (PID)		100 %	50-150		"	"	"	"	"
MW-9 (B9L0316-03) Water Sampled: 12/15/99 10:20 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	4460	1000	ug/l	20	9L17005	12/17/99	12/17/99	NWTPH-Gx/8021B	
Benzene	831	10.0	"	"	"	"	"	"	"
Toluene	22.4	10.0	"	"	"	"	"	"	"
Ethylbenzene	274	10.0	"	"	"	"	"	"	"
Xylenes (total)	138	20.0	"	"	"	"	"	"	"
Surrogate: 4-BFB (FID)		89.6 %	50-150		"	"	"	"	"
Surrogate: 4-BFB (PID)		103 %	50-150		"	"	"	"	"

North Creek Analytical - Bothell

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Kirk Gendron, Project Manager

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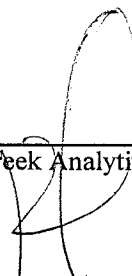
Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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
MW-10 (B9L0316-04) Water Sampled: 12/15/99 11:30 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	618	50.0	ug/l	1	9L17005	12/17/99	12/17/99	NWTPH-Gx/8021B	
Benzene	7.02	0.500	"	"	"	"	"	"	
Toluene	ND	0.910	"	"	"	"	"	"	R-03
Ethylbenzene	ND	0.850	"	"	"	"	"	"	R-03
Xylenes (total)	ND	4.22	"	"	"	"	"	"	R-03
Surrogate: 4-BFB (FID)		102 %	50-150		"	"	"	"	
Surrogate: 4-BFB (PID)		98.5 %	50-150		"	"	"	"	
MW-4 (B9L0316-05) Water Sampled: 12/15/99 13:35 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	73300	10000	ug/l	200	9L17005	12/17/99	12/17/99	NWTPH-Gx/8021B	
Benzene	13700	100	"	"	"	"	"	"	
Toluene	13500	100	"	"	"	"	"	"	
Ethylbenzene	1830	100	"	"	"	"	"	"	
Xylenes (total)	11000	200	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)		87.9 %	50-150		"	"	"	"	
Surrogate: 4-BFB (PID)		99.2 %	50-150		"	"	"	"	
VP-5 (B9L0316-06) Water Sampled: 12/15/99 15:10 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	23400	250	ug/l	5	9L17005	12/17/99	12/17/99	NWTPH-Gx/8021B	
Benzene	841	25.0	"	50	"	"	12/18/99	"	
Toluene	191	2.50	"	5	"	"	12/17/99	"	
Ethylbenzene	1480	25.0	"	50	"	"	12/18/99	"	
Xylenes (total)	7720	50.0	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)		119 %	50-150		"	"	12/17/99	"	
Surrogate: 4-BFB (PID)		99.6 %	50-150		"	"	"	"	

North Creek Analytical - Bothell

 Kirk Gendron, Project Manager

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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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
VP-8 (B9L0316-07) Water Sampled: 12/15/99 15:50 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	7640	2500	ug/l	50	9L17005	12/17/99	12/18/99	NWTPH-Gx/8021B	
Benzene	540	25.0	"	"	"	"	"	"	"
Toluene	927	25.0	"	"	"	"	"	"	"
Ethylbenzene	201	25.0	"	"	"	"	"	"	"
Xylenes (total)	1430	50.0	"	"	"	"	"	"	"
Surrogate: 4-BFB (FID)		87.5 %	50-150		"	"	"	"	"
Surrogate: 4-BFB (PID)		98.5 %	50-150		"	"	"	"	"
VP-2 (B9L0316-08) Water Sampled: 12/15/99 16:00 Received: 12/16/99 14:15									
Gasoline Range Hydrocarbons	5980	1000	ug/l	20	9L17005	12/17/99	12/17/99	NWTPH-Gx/8021B	
Benzene	935	10.0	"	"	"	"	"	"	"
Toluene	345	10.0	"	"	"	"	"	"	"
Ethylbenzene	43.8	10.0	"	"	"	"	"	"	"
Xylenes (total)	305	20.0	"	"	"	"	"	"	"
Surrogate: 4-BFB (FID)		85.4 %	50-150		"	"	"	"	"
Surrogate: 4-BFB (PID)		100 %	50-150		"	"	"	"	"

North Creek Analytical - Bothell

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Kirk Gendron, Project Manager

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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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
VP-7 (B9L0316-01) Water Sampled: 12/14/99 15:15 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	3.31	0.250	mg/l	1	9L18001	12/18/99	12/20/99	NWTPH-Dx	D-08
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	"
<i>Surrogate: 2-FBP</i>		95.0 %	50-150	"	"	"	"	"	"
VP-9 (B9L0316-02) Water Sampled: 12/15/99 09:30 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	9L18001	12/18/99	12/20/99	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>		85.8 %	50-150	"	"	"	"	"	
MW-9 (B9L0316-03) Water Sampled: 12/15/99 10:20 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	8.51	0.250	mg/l	1	9L18001	12/18/99	12/20/99	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>		74.0 %	50-150	"	"	"	"	"	
MW-10 (B9L0316-04) Water Sampled: 12/15/99 11:30 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	0.353	0.250	mg/l	1	9L20014	12/20/99	12/22/99	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>		74.2 %	50-150	"	"	"	"	"	
MW-4 (B9L0316-05) Water Sampled: 12/15/99 13:35 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	3.34	0.250	mg/l	1	9L20014	12/20/99	12/21/99	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>		79.5 %	50-150	"	"	"	"	"	
VP-5 (B9L0316-06) Water Sampled: 12/15/99 15:10 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	2.49	0.250	mg/l	1	9L20014	12/20/99	12/22/99	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>		94.0 %	50-150	"	"	"	"	"	

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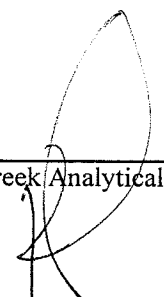
Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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
VP-8 (B9L0316-07) Water Sampled: 12/15/99 15:50 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	2.78	0.250	mg/l	1	9L20014	12/20/99	12/21/99	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	"	"	"	"	"	"
Surrogate: 2-FBP		65.6 %	50-150		"	"	"	"	"
VP-2 (B9L0316-08) Water Sampled: 12/15/99 16:00 Received: 12/16/99 14:15									
Diesel Range Hydrocarbons	29.9	1.25	mg/l	5	9L20014	12/20/99	12/22/99	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	2.50	"	"	"	"	"	"	"
Surrogate: 2-FBP		67.2 %	50-150		"	"	"	"	"

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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

Total Metals by EPA 6000/7000 Series Methods
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VP-7 (B9L0316-01) Water Sampled: 12/14/99 15:15 Received: 12/16/99 14:15									
Lead	0.00591	0.00100	mg/l	1	9L17012	12/17/99	12/22/99	EPA 6020	
VP-9 (B9L0316-02) Water Sampled: 12/15/99 09:30 Received: 12/16/99 14:15									
Lead	0.00572	0.00100	mg/l	1	9L17012	12/17/99	12/21/99	EPA 6020	
MW-9 (B9L0316-03) Water Sampled: 12/15/99 10:20 Received: 12/16/99 14:15									
Lead	0.0150	0.00100	mg/l	1	9L17012	12/17/99	12/21/99	EPA 6020	
MW-10 (B9L0316-04) Water Sampled: 12/15/99 11:30 Received: 12/16/99 14:15									
Lead	ND	0.00100	mg/l	1	9L17012	12/17/99	12/21/99	EPA 6020	
MW-4 (B9L0316-05) Water Sampled: 12/15/99 13:35 Received: 12/16/99 14:15									
Lead	0.0198	0.00100	mg/l	1	9L17012	12/17/99	12/21/99	EPA 6020	
VP-5 (B9L0316-06) Water Sampled: 12/15/99 15:10 Received: 12/16/99 14:15									
Lead	0.00676	0.00100	mg/l	1	9L17012	12/17/99	12/21/99	EPA 6020	
VP-8 (B9L0316-07) Water Sampled: 12/15/99 15:50 Received: 12/16/99 14:15									
Lead	0.0406	0.00100	mg/l	1	9L17012	12/17/99	12/22/99	EPA 6020	
VP-2 (B9L0316-08) Water Sampled: 12/15/99 16:00 Received: 12/16/99 14:15									
Lead	0.262	0.00100	mg/l	1	9L17012	12/17/99	12/22/99	EPA 6020	

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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VP-7 (B9L0316-01) Water Sampled: 12/14/99 15:15 Received: 12/16/99 14:15									
Manganese	7.76	0.0200	mg/l	20	9L17011	12/17/99	12/22/99	EPA 6020	
Lead	0.00211	0.00100	"	1	"	"	12/19/99	"	
VP-9 (B9L0316-02) Water Sampled: 12/15/99 09:30 Received: 12/16/99 14:15									
Lead	ND	0.00100	mg/l	1	9L17011	12/17/99	12/19/99	EPA 6020	
MW-9 (B9L0316-03) Water Sampled: 12/15/99 10:20 Received: 12/16/99 14:15									
Lead	0.00103	0.00100	mg/l	1	9L17011	12/17/99	12/19/99	EPA 6020	
MW-10 (B9L0316-04) Water Sampled: 12/15/99 11:30 Received: 12/16/99 14:15									
Manganese	5.12	0.0200	mg/l	20	9L17011	12/17/99	12/22/99	EPA 6020	
Lead	ND	0.00100	"	1	"	"	12/19/99	"	
MW-4 (B9L0316-05) Water Sampled: 12/15/99 13:35 Received: 12/16/99 14:15									
Manganese	10.5	0.0500	mg/l	50	9L17011	12/17/99	12/22/99	EPA 6020	
Lead	0.00986	0.00100	"	1	"	"	12/19/99	"	
VP-5 (B9L0316-06) Water Sampled: 12/15/99 15:10 Received: 12/16/99 14:15									
Lead	0.00275	0.00100	mg/l	1	9L17011	12/17/99	12/19/99	EPA 6020	
VP-8 (B9L0316-07) Water Sampled: 12/15/99 15:50 Received: 12/16/99 14:15									
Lead	0.00502	0.00100	mg/l	1	9L17011	12/17/99	12/19/99	EPA 6020	
VP-2 (B9L0316-08) Water Sampled: 12/15/99 16:00 Received: 12/16/99 14:15									
Lead	0.0617	0.00100	mg/l	1	9L17011	12/17/99	12/19/99	EPA 6020	

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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
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Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

**Conventional Chemistry Parameters by PSEP Recommended Guidelines
 North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VP-7 (B9L0316-01) Water Sampled: 12/14/99 15:15 Received: 12/16/99 14:15									
Ferrous Iron	11.7	5.00	mg/l	10	9L17027	12/16/99	12/17/99	SM 3500-Fe D	B-08
MW-10 (B9L0316-04) Water Sampled: 12/15/99 11:30 Received: 12/16/99 14:15									
Ferrous Iron	ND	2.00	mg/l	4	9L17027	12/16/99	12/17/99	SM 3500-Fe D	
MW-4 (B9L0316-05) Water Sampled: 12/15/99 13:35 Received: 12/16/99 14:15									
Ferrous Iron	6.15	5.00	mg/l	10	9L17027	12/16/99	12/17/99	SM 3500-Fe D	

North Creek Analytical - Bothell

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Farallon Consulting LLC
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Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

Anions by EPA Method 300.0
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VP-7 (B9L0316-01) Water Sampled: 12/14/99 15:15 Received: 12/16/99 14:15									
Nitrate-Nitrogen	ND	0.100	mg/L as N	1	9L17037	12/17/99	12/17/99	EPA 300.0	B-08
Sulfate	13.4	0.200	mg/l	"	"	"	"	"	"
MW-10 (B9L0316-04) Water Sampled: 12/15/99 11:30 Received: 12/16/99 14:15									
Nitrate-Nitrogen	0.720	0.100	mg/L as N	1	9L17037	12/17/99	12/17/99	EPA 300.0	
Sulfate	70.6	2.00	mg/l	10	"	"	"	"	
MW-4 (B9L0316-05) Water Sampled: 12/15/99 13:35 Received: 12/16/99 14:15									
Nitrate-Nitrogen	ND	0.100	mg/L as N	1	9L17037	12/17/99	12/17/99	EPA 300.0	
Sulfate	ND	0.200	mg/l	"	"	"	"	"	

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Farallon Consulting LLC 320 Third Avenue NE, Suite 200 Issaquah WA, 98027	Project: Queen Ann Texaco Project Number: 619-010-003 Project Manager: Peter Jewett	Reported: 12/28/99 14:40
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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 9L17005: Prepared 12/17/99 Using EPA 5030B (P/T)

Blank (9L17005-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)	40.9		"	48.0		85.2	50-150			
Surrogate: 4-BFB (PID)	46.9		"	48.0		97.7	50-150			

LCS (9L17005-BS1)

Gasoline Range Hydrocarbons	455	50.0	ug/l	500		91.0	70-130			
Surrogate: 4-BFB (FID)	43.5		"	48.0		90.6	50-150			

Duplicate (9L17005-DUP1)

Source: B9L0316-06

Gasoline Range Hydrocarbons	25900	2500	ug/l		23400			10.1	25	
Surrogate: 4-BFB (FID)	44.6		"	48.0		92.9	50-150			

Duplicate (9L17005-DUP2)

Source: B9L0300-03

Gasoline Range Hydrocarbons	ND	50.0	ug/l		14.0			8.18	25	
Surrogate: 4-BFB (FID)	38.6		"	48.0		80.4	50-150			

Matrix Spike (9L17005-MS1)

Source: B9L0300-02

Benzene	10.0	0.500	ug/l	10.0	ND	100	70-130			
Toluene	9.83	0.500	"	10.0	ND	98.3	70-130			
Ethylbenzene	10.2	0.500	"	10.0	ND	102	70-130			
Xylenes (total)	30.5	1.00	"	30.0	ND	102	70-130			
Surrogate: 4-BFB (PID)	47.7		"	48.0		99.4	50-150			

Matrix Spike Dup (9L17005-MSD1)

Source: B9L0300-02

Benzene	10.1	0.500	ug/l	10.0	ND	101	70-130	0.995	15	
Toluene	9.89	0.500	"	10.0	ND	98.9	70-130	0.609	15	
Ethylbenzene	10.3	0.500	"	10.0	ND	103	70-130	0.976	15	
Xylenes (total)	30.6	1.00	"	30.0	ND	102	70-130	0.327	15	
Surrogate: 4-BFB (PID)	48.0		"	48.0		100	50-150			

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Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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
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Batch 9L18001: Prepared 12/18/99 Using EPA 3520C/600 Series

Blank (9L18001-BLK1)

Diesel Range Hydrocarbons	ND	0.250	mg/l							
Lube Oil Range Hydrocarbons	ND	0.500	"							
Surrogate: 2-FBP	0.266		"	0.320		83.1	50-150			

LCS (9L18001-BS1)

Diesel Range Hydrocarbons	1.94	0.250	mg/l	2.00		97.0	60-140			
Surrogate: 2-FBP	0.266		"	0.320		83.1	50-150			

LCS Dup (9L18001-BSD1)

Diesel Range Hydrocarbons	1.82	0.250	mg/l	2.00		91.0	60-140	6.38	40	
Surrogate: 2-FBP	0.252		"	0.320		78.8	50-150			

Batch 9L20014: Prepared 12/20/99 Using EPA 3510C/600 Series

Blank (9L20014-BLK1)

Diesel Range Hydrocarbons	ND	0.250	mg/l							
Lube Oil Range Hydrocarbons	ND	0.500	"							
Surrogate: 2-FBP	0.226		"	0.320		70.6	50-150			

LCS (9L20014-BS1)

Diesel Range Hydrocarbons	1.76	0.250	mg/l	2.00		88.0	60-140			
Surrogate: 2-FBP	0.275		"	0.320		85.9	50-150			

LCS Dup (9L20014-BSD1)

Diesel Range Hydrocarbons	1.62	0.250	mg/l	2.00		81.0	60-140	8.28	40	
Surrogate: 2-FBP	0.241		"	0.320		75.3	50-150			

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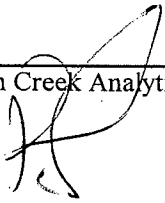


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Farallon Consulting LLC 320 Third Avenue NE, Suite 200 Issaquah WA, 98027	Project: Queen Ann Texaco Project Number: 619-010-003 Project Manager: Peter Jewett	Reported: 12/28/99 14:40
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Total Metals by EPA 6000/7000 Series Methods - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9L17012: Prepared 12/17/99 Using EPA 3020A										
Blank (9L17012-BLK1)										
Lead	ND	0.00100	mg/l							
LCS (9L17012-BS1)										
Lead	0.227	0.00100	mg/l	0.200		113	80-120			
Matrix Spike (9L17012-MS1) Source: B9L0276-01										
Lead	0.216	0.00100	mg/l	0.200	0.000822	108	75-125			
Matrix Spike Dup (9L17012-MSD1) Source: B9L0276-01										
Lead	0.216	0.00100	mg/l	0.200	0.000822	108	75-125	0	20	

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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

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 9L17011: Prepared 12/17/99 Using EPA 3005A										
Blank (9L17011-BLK1)										
Lead	ND	0.00100	mg/l							
Manganese	ND	0.00100	"							
LCS (9L17011-BS1)										
Lead	0.203	0.00100	mg/l	0.200		101	80-120			
Manganese	0.169	0.00100	"	0.200		84.5	80-120			
Matrix Spike (9L17011-MS1) Source: B9L0299-01										
Lead	0.216	0.00100	mg/l	0.200	0.00130	107	75-125			
Manganese	7.35	0.0200	"	0.200	7.42	-35.0	75-125			Q-15
Matrix Spike Dup (9L17011-MSD1) Source: B9L0299-01										
Lead	0.221	0.00100	mg/l	0.200	0.00130	110	75-125	2.29	20	
Manganese	7.54	0.0200	"	0.200	7.42	60.0	75-125	2.55	20	Q-15

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Farallon Consulting LLC 320 Third Avenue NE, Suite 200 Issaquah WA, 98027	Project: Queen Ann Texaco Project Number: 619-010-003 Project Manager: Peter Jewett	Reported: 12/28/99 14:40
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Conventional Chemistry Parameters by PSEP Recommended Guidelines - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9L17027: Prepared 12/16/99 Using General Preparation										
Blank (9L17027-BLK1)										
Ferrous Iron	ND	0.500	mg/l							
LCS (9L17027-BS1)										
Ferrous Iron	1.08	0.500	mg/l	1.25		86.4	80-120			
Duplicate (9L17027-DUP1) Source: B9L0316-05										
Ferrous Iron	6.02	5.00	mg/l		6.15			2.14	20	
Matrix Spike (9L17027-MS1) Source: B9L0316-04										
Ferrous Iron	14.9	5.00	mg/l	12.5	1.48	107	80-120			

North Creek Analytical - Bothell

Kirk Gendron, Project Manager

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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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

Anions by EPA Method 300.0 - Quality Control
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9L17037: Prepared 12/17/99 Using General Preparation										
Blank (9L17037-BLK1)										
Nitrate-Nitrogen	ND	0.100	mg/L as N							
Sulfate	ND	0.200	mg/l							
LCS (9L17037-BS1)										
Nitrate-Nitrogen	1.00	0.100	mg/L as N	1.00		100	90-110			
Sulfate	6.08	0.200	mg/l	6.00		101	90-110			
Duplicate (9L17037-DUP1) Source: B9L0323-03										
Nitrate-Nitrogen	0.615	0.100	mg/L as N		0.620			0.810	25	
Sulfate	2.60	0.200	mg/l		2.57			1.16	8	
Duplicate (9L17037-DUP2) Source: B9L0344-07										
Nitrate-Nitrogen	0.847	0.100	mg/L as N		0.844			0.355	25	
Matrix Spike (9L17037-MS1) Source: B9L0323-03										
Nitrate-Nitrogen	1.51	0.100	mg/L as N	1.00	0.620	89.0	77-117			
Sulfate	8.46	0.200	mg/l	6.00	2.57	98.2	57-134			
Matrix Spike (9L17037-MS2) Source: B9L0344-07										
Nitrate-Nitrogen	1.78	0.100	mg/L as N	1.00	0.844	93.6	77-117			

North Creek Analytical - Bothell

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Kirk Gendron, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network

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Farallon Consulting LLC
 320 Third Avenue NE, Suite 200
 Issaquah WA, 98027

Project: Queen Ann Texaco
 Project Number: 619-010-003
 Project Manager: Peter Jewett

Reported:
 12/28/99 14:40

Notes and Definitions

- B-08 These samples were out of hold time at the time of receipt. Therefore, results are inconclusive and may represent false negatives or positives.
- D-08 Results in the diesel organics range are primarily due to overlap from a gasoline range product.
- Q-15 Analyses are not controlled on matrix spike RPD and/or percent recoveries when the sample concentration is significantly higher than the spike level.
- R-03 The reporting limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- 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

Kirk Gendron, Project Manager

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CHAIN OF CUSTODY REPORT

Work Order # B9L0316

REPORT TO: ATTENTION: Peter Jewitt	INVOICE TO: ATTENTION: Texaco
ADDRESS: Farallon Consulting 320 3rd Ave NE, Ste 200, Issaquah WA	ADDRESS: Queen Ann Texaco
PHONE: (425) 427-0061 FAX: (425) 427-0007	P.O. NUMBER: 619-010-003 NCA QUOTE #:

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses
 Standard 7 5 4 3 2 1 Same Day

Fuels & Hydrocarbon Analyses
 Standard 3-4 2 1 Same Day

OTHER Specify: _____

* Turnaround Requests less than standard may incur Rush Charges.

PROJECT NUMBER: 619-010-003			Analysis Request:											
SAMPLED BY: K Saganiski / T Brown			TPH-GAS/BTEX NWTPH-DX Total Pb Diss Pb Diss Mn Diss Ferrrous Iron Nitrate Sulfate DO											
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NCA SAMPLE ID (Laboratory Use Only)	TPH-GAS/BTEX	NWTPH-DX	Total Pb	Diss Pb	Diss Mn	Diss Ferrrous Iron	Nitrate	Sulfate	DO	MATRIX (W, S, A, O)	# OF CONTAINERS	COMMENTS
1. VP-7	12/14/99/1515	B9L0316-01	X	X	X	X	X	X	X	X	X	W	6	
2. VP-9	12/15/99/0930	02	X	X	X	X						}	5	
3. MW-9	12/15/99/1020	03	X	X	X	X							5	
4. MW-10	12/15/99/1130	04	X	X	X	X	X	X	X	X			6	
5. MW-4	12/15/99/1335	05	X	X	X	X	X	X	X	X			6	
6. VP-5	12/15/99/1510	06	X	X	X	X							5	
7. VP-8	12/15/99/1550	07	X	X	X	X							5	
8. VP-2	12/15/99/1600	08	X	X	X	X							5	
9. APT 102	12/15/99/1100	09												

RELINQUISHED BY (Signature): K Saganiski DATE: 12/15/99	RECEIVED BY (Signature): Timothy S Brown DATE: 12/15/99
PRINT NAME: K Saganiski FIRM: Farallon TIME: 16:15	PRINT NAME: Timothy S Brown FIRM: Farallon TIME: 16:15
RELINQUISHED BY (Signature): Timothy S Brown DATE: 12/16/99	RECEIVED BY (Signature): J.R. Smith DATE: 12/16/99
PRINT NAME: Timothy S Brown FIRM: Farallon TIME: 11:30	PRINT NAME: J. Smith FIRM: Farallon TIME: 11:30am
ADDITIONAL REMARKS: J.R. Smith 12/16/99	REL. Bill Kern NCA 12-16-99 13:00 REL. Bill Kern NCA 12-16-99 14:15