March 30, 2007

Mr. Kipp Eckert
ConocoPhillips Site Manager
P O. Box 923
Bothell, Washington 98041

Re: Fourth Quarter Remediation System Status Report
600 Westlake Avenue N., Seattle, Washington
RM&R No. 1396
Delta Project No. WA255-3520-1

Dear Mr. Eckert:

Delta Environmental Consultants, Inc. (Delta) is pleased to submit this Fourth Quarter Remediation System Status Report for the ConocoPhillips Site No. 255353 located at 600 Westlake Avenue N. in Seattle, Washington.

WORK PERFORMED THIS YEAR

[First, Second, Third, and Fourth Quarters 2006]

- Monthly operation and maintance (O&M) of the remediation system. The remediation system consists of an air sparge (AS) unit operating at 15 AS wells within a sparge trench, a deep air sparge (DAS) unit at four DAS wells, and a vapor extraction (VE) unit to extract combined vapors from five on-site VE wells and tree off-site VE wells, and to capture sparge vapors from two sections of horizontal piping within the sparge trench (east and west VE trenches).

- The remediation system was shutdown during January, February, and March 2006 due to a number of remedial pilot tests being performed at the site. The system was reactivated on March 28, 2006

- Air analytical collected on April 27, 2006 indicated break-through in the 1st carbon vessel. The system was shut down pending carbon change out.

- During the April 27, 2006 O&M event, the air sparge compressor was found to have a bad motor.

- On June 26, 2006, H2Oil replaced the motor on the air sparge compressor. The system remained shutdown pending carbon change out.

- In December 26, 2006, nine VE wells and associated trenches were installed in Terry Avenue. The VE wells were piped to the northeast corner of the COP property and capped.

WORK PROPOSED FOR NEXT QUARTER [First – 2007]

- Schedule Carbon change out of first carbon vessel and restart system.
- Perform remedial pilot testing on Terry Ave VE wells
- Continue monthly O&M of the remediation system.

VE SUMMARY

Extraction Equipment:	Rotron EN6F5L VE blower
Offgas Treatment Equipment:	H2Oil 55-gallon moisture separator; Two 1,800-pound activated carbon units
Permits for Discharge:	PSCAA No. 8905 (air) (NPDES, POTW, etc)
Start-up Date:	8/20/03
Reporting Period:	1/01/06 - 12/30/06
Days in Operation During Period:	30 (days)
Total Days in Operation Since Start-Up:	840 (days)
Percent Operating Time During Period:	100% (%)
System Alarms and Shutdowns:	Breakthrough in first carbon vessel
VE Points Extracted During Period:	On-site VE wells, East & West VE trenches
Average Influent Vacuum:	4.0 (inches H2O)
Average Vapor Influent Flow Rate:	150 (SCFM)
Maximum Vapor Influent Concentration for Period (PID):	14.4 (ppmv)
Maximum Vapor Effluent Concentration for Period (PID):	14.1 (ppmv)
Total Hydrocarbon Removal for Period:	37.4 (lbs)
Cumulative Hydrocarbon Removal to Date:	1,202.0 (since 8/20/03 startup) (lbs)
Analytical Results of TPH Concentration in Offgas Emission Sample:	<10 mg/m3 (3/28/06) (ppmv)

AS SUMMARY

Sparging Equipment:	Sutortbilt air sparge blower
Start-up Date:	8/20/03
Reporting Period:	1/01/06 – 12/30/06
Days in Operation During Period:	30 (days)
Total Days in Operation Since Start-Up:	851 (days)
Percent Operating Time During Period:	100% (%)
Number of Wells On-line:	15 AS Wells (AS-1 through AS-15)
Average System Injection Pressure:	5.0 (psig)
Average System Flow Rate:	7.3 (per AS point) (SCFM)

DAS SUMMARY

Sparging Equipment:	Gast 6066 Compressor	
Start-up Date:	9/22/04	
Reporting Period:	1/01/06 - 12/30/06	
Days in Operation During Period:	30	(days)
Total Days in Operation Since Start-Up:	484	(days)
Percent Operating Time During Period:	100%	(%)
Number of Wells On-line:	4 DAS Wells (DAS-2 through DAS-5)	
Average System Injection Pressure:	12.4	(psig)
Average System Flow Rate:	5.31 (per DAS point)	(SCFM)

DISCUSSION

System Operation and Maintenance

Delta conducted monthly site visits on March 28, and April 27, 2006 to perform operation and maintenance (O&M) of the remediation system during 2006. The remediation system was shutdown during January, February and the majority of March due to pilot testing activities at the site. Delta performed a number of pilot tests including air sparge (AS), soil vapor extraction (SVE), biorespiration, pump tests, step-drawdown pump tests, and slug tests. The remediation system was re-activated on March 28, 2006.
The air sparge (AS) and VE units operated an estimated 30 days over the reporting period. The AS unit was found to be off on the April 27, 2006 visit A Delta technician determined the AS motor was burnt out The AS motor was replaced on June 22, 2006. The VE system was shut down following the April 28, 2006 O+M event. Air analytical indicated break-through in the first carbon vessel. Refer to Attachment A for the laboratory analytical results.
A summary of VE unit operation parameters is presented in Table 1. Operation summaries of the AS and DAS units are presented in Tables 2 and 3, respectively.

Hydrocarbon Removal and Vapor Emissions

During this reporting period, the VE unit effectively removed hydrocarbons from the site at an average rate of 1.25 pounds per day (37.4 pounds over the operational period during 2006).
An estimated total of 1,202 pounds of hydrocarbons have been removed from the subsurface by vapor extraction since startup of the current remediation system. Hydrocarbon concentrations in vapor emissions were below the limits of the PSCAA permit based on monthly field monitoring conducted during site visits. A summary of the estimated hydrocarbons removed by the VE unit is included in Table 1.

LIMITATIONS

The services described in this report were performed in accordance with generally accepted professional consulting principles and practices. No other warranty, either expressed or implied, is made These services were performed in accordance with terms established with our client. This report is solely for the use of our client and reliance on any part of this report by a third party is at such party's sole risk.

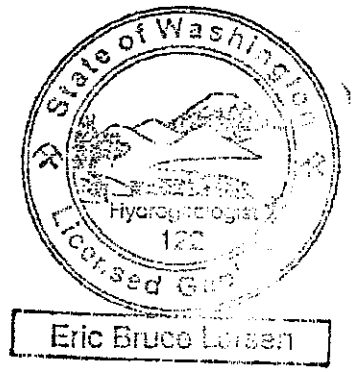
Delta appreciates the opportunity to provide environmental services for ConocoPhillips Company. Please call Eric Larsen at 425-498-7718 if you have any questions regarding the contents of this report

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Greg Montgomery
Project Scientist

Eric Larsen, L.H.G.
Senior Geologist



Enc: Table 1 – VE Unit and Vapor Treatment Operation Summary
Table 2 – Air Sparge Unit Operational Summary
Table 3 – Deep Air Sparge Unit Operational Summary
Figure 1 – Remedial System Site Map
Laboratory Analytical Report and Chain of Custody Documentation

cc: LUST Coordinator, WA State Dept. of Ecology – Northwest Regional Office, Bellevue, WA 98008

TABLE 1
VE UNIT AND VAPOR TREATMENT OPERATION SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Date	Operational Time Since Last Event (days)	Power Reading (KWH)	Vapor Extraction Vacuum (inches H2O)	Average Flowrate [1] (SCFM)	Influent Petroleum Hydrocarbon Concentration [2] (ppm)	Petroleum Hydrocarbon Concentration Between Carbons [3] (ppm)	Emission Petroleum Hydrocarbon Concentration [4] (ppm)	Estimated Petroleum Hydrocarbons Removed During Operating Period [5] (pounds)
01/29/04	45 [6]	NM	3.0	192	1.2	0.0	0.0	4.2
02/28/04	30	32,432	3.0	192	1.2	0.0	0.0	2.8
03/30/04	31	35,592	3.0	192	2.7	0.2	0.0	6.4
04/28/04	29	38,516	3.5	183	0.1	0.1	0.1	0.2
05/27/04	29	41,465	3.5	183	9.8 [9]	0.1	0.1	20.9
06/22/04	26	44,045	3.5	183	4.2 [9]	0.1	0.1	8.0
07/22/04	30	47,097	3.5	183	17.9 [9]	11.1	1.8	39.4
08/16/04	23	49 449	3.5	183	6.4	0.2	0.1	10.8
09/21/04	26	52,907	3.7	175	10.5	0.3	0.2	19.2
10/28/04	37	58,559	3.5	183	14.1	5.4	1.1	38.3
11/22/04	25	62 578	3.5	183	4.9	0.1	0.0	9.0
12/17/04 [10]	25	66,601	4.0	175	10.7	6.6	2.3	18.8
01/27/05 [11]	21	70,013	4.0	175	1.0	0.6	0.0	1.5
02/17/05	21	73,083	4.0	175	28.9	15.8	0.0	42.6
03/17/05	28	76,709	3.5	183	0.1	0.0	0.0	0.2
04/15/05	29	80 613	3.5	183	4.6	4.2	2.2	9.8
05/11/05	27	84,069	3.5	183	1.7	1.1	0.3	3.4
06/21/05	41	90,727	3.5	183	0.3	3.4	0.0	0.9
08/23/05	63	99 562	4.0	175	45.2	26.9	0.0	200
09/30/05	37	104,474	4.0	183	9.3	0.0	0.0	25.3
10/25/05	25	107,068	4.0	175	11.1	13.0	9.7	19.5
11/30/05	36	109 918	4.0	175	14.1	14.4	0.2	35.6
12/19/05	19	113,376	4.0	175	14.8	14.1	0.1	19.7
12/30/05	11	13 376	4.0	175	14.8	13.7	0.1	11.4
03/28/05	0	14,245	4.0	175	14.4	22.6	14.1	0.0
04/27/06	30	19,313	4.0	120	25.9	26.4	NM	37.4
Total To Date	**851** [7]							**1202** [8]
Total for 2006	30							37.4

Notes:
KWH = kilowatt-hours
SCFM = standard cubic feet per minute
ppm = parts per million
NM = not measured
[1] Flowrate calculated based on air velocity measurments through a 4-inch pipe recorded in the field
[2] Influent petroleum hydrocarbon concentrations based on field measurements using a photoionization detector (PID) unless otherwise indicated
[3] Concentrations between carbon units based on field measurements using a PID
[4] Effluent concentrations based on field measurements using a PID
[5] Hydrocarbons removed during each operating period estimated using influent concentration average flowrate and operational time period
[6] Operation and maintenance of the remedial system was performed on 12/15/03 by the previous consultant. Delta assumed operation and maintenance of the system during January 2004
[7] Total operational time to date includes 107.1 days operated by previous consultant from system startup on 8/20/03 through 12/15/03
[8] Total estimated petroleum hydrocarbons removed to date includes 616.9 pounds reportedly removed by previous consultant from system startup on 8/20/03 through 12/15/03
[9] Petroleum hydrocarbon concentration from laboratory analysis
[10] At the request of ConocoPhillips the remedial system was shut down upon departure of the site on 12/17/04 to be restarted at a later date
[11] At the request of ConocoPhillips the remedial system was restarted on 1/6/05

TABLE 2
AIR SPARGE UNIT OPERATIONAL SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Date	Header Pressure (psig)	Air Flowrates per Air Sparge Point (SCFM)														
		AS-1	AS-2	AS-3	AS-4	AS-5	AS-6	AS-7	AS-8	AS-9	AS-10	AS-11	AS-12	AS-13	AS-14	AS-15
01/29/04	5	11	12	12	10	11	12	13	8	8	3	<3	5	11	12	8
02/28/04	4	11	12	14	11	11	12	13	8	8	3	4	<3	10	11	9
03/30/04	5	11	12	14	11	12	12	14	8	8	<3	<3	<3	10	12	8
04/28/04	NM	10.5	11.5	14	10.5	11	11.5	13.5	8	7.5	<3	<3	<3	9	10.5	7
05/27/04	4.5	10	11	14	9	10	11	12	7	7	<3	<3	<3	5.5	9	7.5
06/22/04	4.5	11	11	14	10	11	11	12	12.5	11	<3	<3	<3	<3	10	8
07/22/04	4	12	13	16	11	12	12	13	8	5.5	<3	<3	<3	<3	10.5	8
08/16/04	4.5	10	11.5	16	9.5	11	12	10.5	8	5.5	<3	<3	<3	<3	9.5	10.5
09/21/04	4.5	10	10	11.5	8.5	9	9.5	11	6	4.5	<3	<3	4	<3	9.5	7
10/28/04	4.5	9.5	10	11.5	9.5	9	9.5	10.5	5.5	4	<3	<3	<3	<3	10	6
11/22/04	4.5	8.5	10	10.5	9	9	9.5	10.5	5	3.5	<3	<3	<3	<3	8	6
12/17/04[1]	4.5	8.0	8.7	9.7	7.8	7.5	8.5	9.5	4	3.2	<3	<3	<3	<3	10	7
01/27/05[2]	4.5	8.0	8.7	9.5	7.6	7.5	8.2	9.4	3.8	3.2	<3	<3	<3	<3	10	5
02/17/05	4.5	8.0	8.8	9.7	7.7	7.5	8.3	9.2	3.6	3	<3	<3	<3	<3	9.7	5
03/17/05	4.5	6.0	9.5	11.5	8.5	8	9	8	3	3	<3	<3	<3	<3	10	<3
04/15/05	5	8.0	9	11	8	8	8.5	4	<3	<3	<3	<3	<3	<3	9	4.5
05/11/05	5	8.2	9	11.5	8	8	8.5	3	<3	<3	<3	<3	<3	<3	8.5	3
06/21/05	7	5.0	4.5	5	4.5	3	3.5	3.5 E	9	5 E	<3	<3	<3 E	<3	5.5	5 E
08/23/05	7	5.0	5	5.5	5	1	1	1	7	6	1	1	1	0	4	9
09/30/05	8	5.5	5.5	7	6	3	<3	<3E	5.5	6.5	<3	<3	<3	<3	4	<3
10/25/05	8.5	<3	5	6	5.5	<3	<3	<3	5.5	7.5	<3	<3	4E	<3	4	<3
11/30/05	2.2	14.0	8	4E	7.5	<3	3E	<3	5E	7.5E	-	<3	<3	<3	5.5	<3
12/30/05	4.2	13.5	10	<3	8	<3	<3	<3	<3	7	<3	<3	<3	<3	5.5	<3
03/28/06	4	8.5	3.2	2	4.2	2.5	2.5	2	2.5	3.8	3.8	8.6	4.8	5.8	4	2.5
04/27/06	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO	NIO
Average:	**5.0**	**9.2**	**9.1**	**10.7**	**8.2**	**8.2**	**9.0**	**9.4**	**6.4**	**5.8**	**2.7**	**4.5**	**3.7**	**7.3**	**8.4**	**6.7**

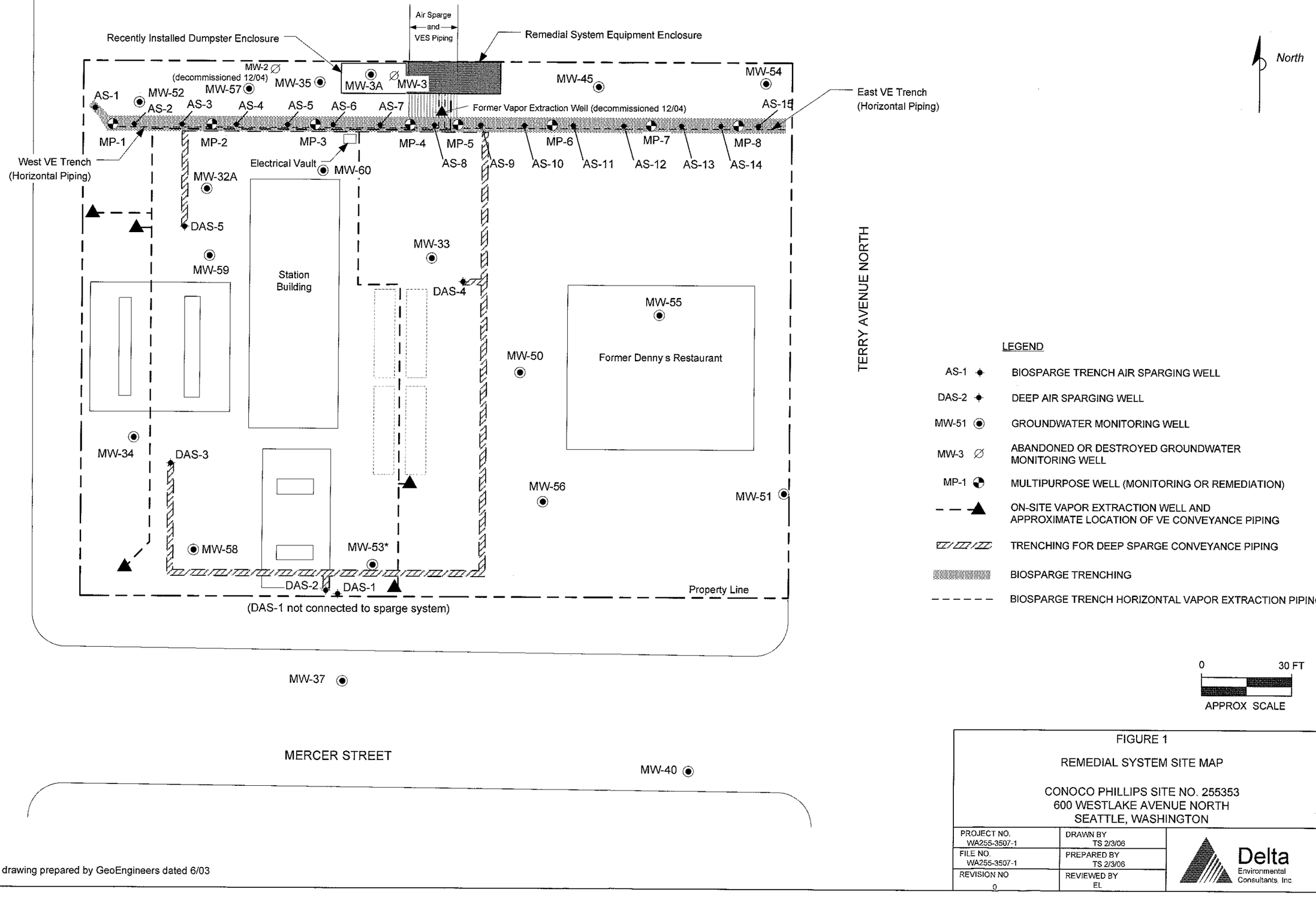
Notes:
psig = pounds per square inch, gauge
SCFM = standard cubic feet per minute
NIO = not in operation

[1] At the request of ConocoPhillips, the remedial system was shut down upon departure of the site on 12/17/04, to be restarted at a later date.
[2] At the request of ConocoPhillips, the remedial system was restarted on 1/6/05.

TABLE 3
DEEP AIR SPARGE UNIT OPERATIONAL SUMMARY
ConocoPhillips Site No. 255353
600 Westlake Avenue North
Seattle, Washington

Date	Header Pressure (psig)	Air Flowrates per Air Sparge Point (SCFM)				
		DAS-1	DAS-2	DAS-3	DAS-4	DAS-5
01/29/04	NIO	NIO	NIO	NIO	NIO	NIO
02/28/04	12	NIO	3	5	3 5	<3
03/30/04	NIO	NIO	NIO	NIO	NIO	NIO
04/28/04	NIO	NIO	NIO	NIO	NIO	NIO
05/27/04	NIO	NIO	NIO	NIO	NIO	NIO
06/22/04	NIO	NIO	NIO	NIO	NIO	NIO
07/22/04	NIO	NIO	NIO	NIO	NIO	NIO
08/16/04	NIO	NIO	NIO	NIO	NIO	NIO
09/21/04	NIO	NIO	NIO	NIO	NIO	NIO
09/22/04[1]	10 5*	NIO	5*	22*	4*	7*
10/28/04	10 5	NIO	5	22	4	7
11/22/04	10 5	NIO	6	5 5	4	7 5
12/17/04[2]	11	NIO	6 5	3.5	4	6 5
01/27/05[3]	11	NIO	6.5	4	<3	5
02/17/05	11.5	NIO	7.5	4 E	4 E	4 E
03/17/05	13.5	NIO	4	<3	<3	5
04/15/05	11.5	NIO	9	3 E	3 E	4 E
05/11/05	11 5	NIO	9.2	3	<3 E	5 E
06/21/05	14.5	NIO	4 5	3 5 E	3 E	6 5
08/23/05	NM	NIO	NM	NM	NM	NM
09/30/05	16 5	NIO	5.5	3.5	<3	<3
10/25/05	13 5	NIO	5	3 5	6	5
11/30/05	12.5	NIO	6	7	<3	13
12/30/05	NIO	NIO	NIO	NIO	NIO	NIO
03/28/06	NIO	NIO	NIO	NIO	NIO	NIO
04/27/06	11.5	NIO	7	5	5	14 75

Notes:
psig = pounds per square inch, gauge
SCFM = standard cubic feet per minute
NIO = not in operation
E = Erratic readings
* Estimated value
[1] The DAS system was modified and restarted on 9/22/04. DAS pressure and flowrates are estimated based on values recorded during fourth quarter monitoring in October 2004.
[2] At the request of ConocoPhillips, the remedial system was shut down upon departure of the site on 12/17/04, to be restarted at a later date.
[3] At the request of ConocoPhillips, the remedial system was restarted on 1/6/05.



Site map based on drawing prepared by GeoEngineers dated 6/03

FIGURE 1

REMEDIAL SYSTEM SITE MAP

CONOCO PHILLIPS SITE NO. 255353
600 WESTLAKE AVENUE NORTH
SEATTLE, WASHINGTON

PROJECT NO. WA255-3507-1	DRAWN BY TS 2/3/06
FILE NO. WA255-3507-1	PREPARED BY TS 2/3/06
REVISION NO 0	REVIEWED BY EL

Delta Environmental Consultants, Inc.

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Remedial System Monitoring
ConocoPhillips Site No. 255353

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
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509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

05 April 2006

Eric Larsen
Delta Environmental
4006 148th Ave NE
Redmond, WA/USA 98052

RE: 600 Westlake Avenue North

Enclosed are the results of analyses for samples received by the laboratory on 03/28/06 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kortland Orr
PM

www.ncalabs.com

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907.563.9200 fax 907.563.9210

Delta Environmental	Project: 600 Westlake Avenue North	
4006 148th Ave NE	Project Number: WA255-3521	**Reported:**
Redmond, WA/USA 98052	Project Manager: Eric Larsen	04/05/06 16:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
System Infl.	B6C0655-01	Air	03/28/06 10:15	03/28/06 17:30
System Eff.	B6C0655-02	Air	03/28/06 10:20	03/28/06 17:30

North Creek Analytical - Bothell

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

Kortland Orr, PM

www.ncalabs.com

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541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Delta Environmental	Project: 600 Westlake Avenue North	
4006 148th Ave NE	Project Number: WA255-3521	**Reported:**
Redmond, WA/USA 98052	Project Manager: Eric Larsen	04/05/06 16:13

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B
North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
System Infl. (B6C0655-01) Air Sampled: 03/28/06 10:15 Received: 03/28/06 17:30									
Gasoline Range Hydrocarbons	ND	10.0	mg/m³ Air	1	6C29032	03/30/06	03/31/06	NWTPH Modified	
Benzene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Xylenes (total)	ND	0.200	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	*90.0 %*	*50-150*			"	"	"	"	
Surrogate: 4-BFB (PID)	*101 %*	*75-133*			"	"	"	"	
Gasoline Range Hydrocarbons (v/v)	ND	2.36	ppmv	"	"	"	"	"	
Benzene (v/v)	ND	0.0308	"	"	"	"	"	"	
Toluene (v/v)	ND	0.0261	"	"	"	"	"	"	
Ethylbenzene (v/v)	ND	0.0227	"	"	"	"	"	"	
Xylenes, total (v/v)	ND	0.0454	"	"	"	"	"	"	
System Eff. (B6C0655-02) Air Sampled: 03/28/06 10:20 Received: 03/28/06 17:30									
Gasoline Range Hydrocarbons	ND	10.0	mg/m³ Air	1	6C29032	03/30/06	03/31/06	NWTPH Modified	
Benzene	ND	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	ND	0.100	"	"	"	"	"	"	
Xylenes (total)	ND	0.200	"	"	"	"	"	"	
Surrogate: 4-BFB (FID)	*92.5 %*	*50-150*			"	"	"	"	
Surrogate: 4-BFB (PID)	*102 %*	*75-133*			"	"	"	"	
Gasoline Range Hydrocarbons (v/v)	ND	2.36	ppmv	"	"	"	"	"	
Benzene (v/v)	ND	0.0308	"	"	"	"	"	"	
Toluene (v/v)	ND	0.0261	"	"	"	"	"	"	
Ethylbenzene (v/v)	ND	0.0227	"	"	"	"	"	"	
Xylenes, total (v/v)	ND	0.0454	"	"	"	"	"	"	

Kortland Orr, PM

www.ncalabs.com

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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Delta Environmental	Project: 600 Westlake Avenue North	
4006 148th Ave NE	Project Number: WA255-3521	**Reported:**
Redmond, WA/USA 98052	Project Manager: Eric Larsen	04/05/06 16:13

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-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 6C29032: Prepared 03/29/06 Using EPA 5030B (P/T)										
Blank (6C29032-BLK1)										
Gasoline Range Hydrocarbons	ND	10.0	mg/m³ Air							
Benzene	ND	0.100	"							
Toluene	ND	0.100	"							
Ethylbenzene	ND	0.100	"							
Xylenes (total)	ND	0.200	"							
Surrogate: 4-BFB (FID)	*11.1*		"	*12.0*		*92.5*	*50-150*			
Surrogate: 4-BFB (PID)	*11.5*		"	*12.0*		*95.8*	*75-133*			
Gasoline Range Hydrocarbons (v/v)	ND	2.36	ppmv							
Benzene (v/v)	ND	0.0308	"							
Toluene (v/v)	ND	0.0261	"							
Ethylbenzene (v/v)	ND	0.0227	"							
Xylenes, total (v/v)	ND	0.0454	"							
LCS (6C29032-BS1)										
Gasoline Range Hydrocarbons	67.8	10.0	mg/m³ Air	100		67.8	50-150			
Surrogate: 4-BFB (FID)	*11.1*		"	*12.0*		*92.5*	*50-150*			
LCS (6C29032-BS2)										
Benzene	1.55	0.100	mg/m³ Air	2.00		77.5	50-150			
Toluene	1.48	0.100	"	2.00		74.0	50-150			
Ethylbenzene	1.48	0.100	"	2.00		74.0	50-150			
Xylenes (total)	4.40	0.200	"	6.00		73.3	50-150			
Surrogate: 4-BFB (PID)	*12.0*		"	*12.0*		*100*	*75-133*			
LCS Dup (6C29032-BSD1)										
Gasoline Range Hydrocarbons	67.5	10.0	mg/m³ Air	100		67.5	50-150	0.443	50	
Surrogate: 4-BFB (FID)	*10.8*		"	*12.0*		*90.0*	*50-150*			

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907.563.9200 fax 907.563.9210

Delta Environmental	Project: 600 Westlake Avenue North	
4006 148th Ave NE	Project Number: WA255-3521	**Reported:**
Redmond, WA/USA 98052	Project Manager: Eric Larsen	04/05/06 16:13

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-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 6C29032: Prepared 03/29/06 Using EPA 5030B (P/T)										
LCS Dup (6C29032-BSD2)										
Benzene	1.41	0.100	mg/m³ Air	2.00		70.5	50-150	9.46	50	
Toluene	1.32	0.100	"	2.00		66.0	50-150	11.4	50	
Ethylbenzene	1.32	0.100	"	2.00		66.0	50-150	11.4	50	
Xylenes (total)	3.92	0.200	"	6.00		65.3	50-150	11.5	50	
Surrogate: 4-BFB (PID)	*11.9*		"	*12.0*		*99.2*	*75-133*			
Duplicate (6C29032-DUP1)					**Source: B6C0654-01**					
Gasoline Range Hydrocarbons	ND	10.0	mg/m³ Air		ND			24.3	30	
Surrogate: 4-BFB (FID)	*10.6*		"	*12.0*		*88.3*	*50-150*			

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Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

Delta Environmental	Project: 600 Westlake Avenue North	
4006 148th Ave NE	Project Number: WA255-3521	**Reported:**
Redmond, WA/USA 98052	Project Manager: Eric Larsen	04/05/06 16:13

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

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.

Kortland Orr, PM

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: B6C0655

NCA CLIENT: COP Westlake

REPORT TO: 4006 148th Ave. NE

ADDRESS: Redmond, WA 98052

PHONE: (425) 498-7725 FAX:

INVOICE TO:

P.O. NUMBER: WA255-3520-1

PROJECT NAME: Westlake O&M

PROJECT NUMBER: WA255-3520-1

SAMPLED BY: BH

TURNAROUND REQUEST

in Business Days *

Organic & Inorganic Analyses: 10 | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-G	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 System Inf.	3-28-06 / 10:15	X	Air	1		-01
2 System Eff.	3-28-06 / 10:20	X	Air	1		-02
3						
4						
5						
6						
7						
8						
9						
10						

PRESERVATIVE

REQUESTED ANALYSES

RELEASED BY: Brian Hogenson DATE: 3-28-06

PRINT NAME: Brian Hogenson FIRM: Delta TIME: 17:30

RECEIVED BY: DATE: 3/28/06

PRINT NAME: GRANT TONG FIRM: NCA TIME: 1730

RELEASED BY: DATE:

PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:

PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

COC REV 09/04

TEMP: 19.5

PAGE OF

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May 05, 2006

Eric Larsen
Delta Environmental
4006 148th Ave NE
Redmond, WA/USA 98052

RE: COP 25535221 Seattle

Enclosed are the results of analyses for samples received by the laboratory on 04/28/06 09:55. The following list is a summary of the Work Orders contained in this report, generated on 05/05/06 18:14.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BPD0708	COP 25535221 Seattle	WA255-3520-1

TestAmerica - Seattle, WA

Kate Hancy For Kortland Orr, PM

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ANALYTICAL TESTING CORPORATION

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Delta Environmental	Project Name:	**COP 25535221 Seattle**	
4006 148th Ave NE	Project Number:	WA255-3520-1	Report Created:
Redmond, WA/USA 98052	Project Manager:	Eric Larsen	05/05/06 18:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
System Infl.	BPD0708-01	Air	04/27/06 12:30	04/28/06 09:55
System ~~Effl.~~ Midfluent	BPD0708-02	Air	04/27/06 12:35	04/28/06 09:55

Kate Haney For Kortland Orr, PM

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PH: (425) 420.9200 FAX: (425) 420.9210

Delta Environmental	Project Name:	**COP 25535221 Seattle**	
4006 148th Ave NE	Project Number:	WA255-3520-1	Report Created:
Redmond, WA/USA 98052	Project Manager:	Eric Larsen	05/05/06 18:14

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BPD0708-01 (System Infl.)		**Air**		**Sampled: 04/27/06 12:30**						
Gasoline Range Hydrocarbons	NWTPH Modified	25.9	-----	10.0	mg/m³ Air	1x	6D2901	04/29/06 15:57	04/30/06 02:07	
Gasoline Range Hydrocarbons (v/v)	"	6.09	-----	2.36	ppmv	"	"	04/29/06 15:57	"	
Surrogate(s): 4-BFB (FID)		*86.7%*			*50 - 150 %*	"			"	
BPD0708-02 (System ~~Effl.~~ Mid)		**Air**		**Sampled: 04/27/06 12:35**						
Gasoline Range Hydrocarbons	NWTPH Modified	26.4	-----	10.0	mg/m³ Air	1x	6D2901	04/29/06 15:57	04/30/06 03:05	
Gasoline Range Hydrocarbons (v/v)	"	6.23	-----	2.36	ppmv	"	"	04/29/06 15:57	"	
Surrogate(s): 4-BFB (FID)		*86.7%*			*50 - 150 %*	"			"	

TestAmerica
ANALYTICAL TESTING CORPORATION

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Delta Environmental	Project Name:	**COP 25535221 Seattle**	
4006 148th Ave NE	Project Number:	WA255-3520-1	Report Created:
Redmond, WA/USA 98052	Project Manager:	Eric Larsen	05/05/06 18:14

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D29012 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D29012-BLK1)									Extracted: 04/29/06 15:57					
Gasoline Range Hydrocarbons (w/v)	NWTPH Modified	ND	---	2.36	ppmv	1x	--	--	--	--	--	--	04/29/06 17:39	
Gasoline Range Hydrocarbons	"	ND	---	10.0	mg/m³ Air	"	--	--	--	--	--	--	"	
Benzene (v/v)	"	ND	---	0.0308	ppmv	"	--	--	--	--	--	--	"	
Toluene (v/v)	"	ND	---	0.0261	"	"	--	--	--	--	--	--	"	
Ethylbenzene (v/v)	"	ND	---	0.0227	"	"	--	--	--	--	--	--	"	
Xylenes, total (v/v)	"	ND	---	0.0454	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	0.100	mg/m³ Air	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	0.200	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB (FID)		*Recovery: 95.8%*			*Limits: 50-150%*	"							*04/29/06 17:39*	
4-BFB (PID)		*109%*			*75-133%*	"							"	
LCS (6D29012-BS1)									Extracted: 04/29/06 15:57					
Gasoline Range Hydrocarbons	NWTPH Modified	72.2	---	10.0	mg/m³ Air	1x	--	100	72.2%	(50-150)	--	--	04/29/06 18:13	
Surrogate(s): 4-BFB (FID)		*Recovery: 96.7%*			*Limits: 50-150%*	"							*04/29/06 18:13*	
LCS (6D29012-BS2)									Extracted: 04/29/06 15:57					
Benzene	NWTPH Modified	1.44	---	0.100	mg/m³ Air	1x	--	2.00	72.0%	(50-150)	--	--	04/29/06 19:12	
Toluene	"	1.40	---	0.100	"	"	--	"	70.0%	"	--	--	"	
Ethylbenzene	"	1.37	---	0.100	"	"	--	"	68.5%	"	--	--	"	
Xylenes (total)	"	4.12	---	0.200	"	"	--	6.00	68.7%	"	--	--	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 108%*			*Limits: 75-133%*	"							*04/29/06 19:12*	
LCS Dup (6D29012-BSD1)									Extracted: 04/29/06 15:57					
Gasoline Range Hydrocarbons	NWTPH Modified	57.0	---	10.0	mg/m³ Air	1x	--	100	57.0%	(50-150)	23.5%	(50)	04/29/06 21:42	
Surrogate(s): 4-BFB (FID)		*Recovery: 94.2%*			*Limits: 50-150%*	"							*04/29/06 21:42*	
LCS Dup (6D29012-BSD2)									Extracted: 04/29/06 15:57					
Benzene	NWTPH Modified	1.43	---	0.100	mg/m³ Air	1x	--	2.00	71.5%	(50-150)	0.697	(50)	04/29/06 19:42	
Toluene	"	1.39	---	0.100	"	"	--	"	69.5%	"	0.717	"	"	
Ethylbenzene	"	1.34	---	0.100	"	"	--	"	67.0%	"	2.21%	"	"	
Xylenes (total)	"	4.05	---	0.200	"	"	--	6.00	67.5%	"	1.71%	"	"	
Surrogate(s): 4-BFB (PID)		*Recovery: 108%*			*Limits: 75-133%*	"							*04/29/06 19:42*	

TestAmerica - Seattle, WA

Kate Haney For Kortland Orr, PM

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ANALYTICAL TESTING CORPORATION

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Delta Environmental	Project Name:	**COP 25535221 Seattle**	
4006 148th Ave NE	Project Number:	WA255-3520-1	Report Created:
Redmond, WA/USA 98052	Project Manager:	Eric Larsen	05/05/06 18:14

Gasoline Hydrocarbons (Benzene to Napthalene) and BTEX in Air by NWTPH-G and EPA 8021B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6D29012 **Air Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (6D29012-DUP1)					QC Source: BPD0677-02				Extracted: 04/29/06 15:57					
Gasoline Range Hydrocarbons	NWTPH Modified	643	---	50.0	mg/m³ Air	5x	625	--	--	--	2.84%	(30)	04/29/06 22:11	
Surrogate(s): 4-BFB (FID)		*Recovery: 103%*			*Limits: 50-150%*	*1x*							*04/29/06 22:11*	

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ANALYTICAL TESTING CORPORATION

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Delta Environmental	Project Name:	**COP 25535221 Seattle**	
4006 148th Ave NE	Project Number:	WA255-3520-1	Report Created:
Redmond, WA/USA 98052	Project Manager:	Eric Larsen	05/05/06 18:14

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' or 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica - Seattle, WA

Kate Haney For Kortland Orr, PM

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BPD0708

NCA CLIENT: COP Westlake

REPORT TO: Tena Seeds

ADDRESS: 4006 148th Ave NE Redmond, WA

PHONE: 425 498-7725 FAX: 425 869 1892

INVOICE TO:

P.O. NUMBER: WA255-3520-1

PROJECT NAME: Westlake O+M

PROJECT NUMBER: WA255-3520-1

SAMPLED BY: Aric Frohman

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: 10 (STD.) | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: X (STD.) | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: NWTPH-Gx	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	System Infl.	4/27/06, 12:30	X	A	1		01
2	System ~~Eff~~ Mid.	↓, 12:35	X	A	1		02
3							
4							
5							
6							
7							
8							
9							
10							

REQUESTED ANALYSES

RELEASED BY: [signature] DATE: 4/28/06

PRINT NAME: Aric Frohman FIRM: Delta Env. TIME:

RECEIVED BY: Colette Weaver DATE: 04.28.06

PRINT NAME: Colette Weaver FIRM: NCA TIME: 9:55

RELEASED BY: DATE:

PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:

PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

COC REV 09/04

TEMP: 18.2°

PAGE OF

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

February 15, 2007

Eric Larsen
Delta Environmental
4006 148th Ave NE
Redmond, WA/USA 98052

RE: COP Westlake 255-35-3

Enclosed are the results of analyses for samples received by the laboratory on 02/08/07 16:00. The following list is a summary of the Work Orders contained in this report, generated on 02/15/07 16:36.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
BQB0156	COP Westlake 255-35-3	WA 255-35-27-2

TestAmerica - Seattle, WA

Sandra Yakamavich

Sandra Yakamavich, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400,
11922 E. First Ave, S
9405 SW Nimbus Ave, Be
2000 W International Airport Rd Ste A10, An

CHAIN OF CUSTODY REPORT

CLIENT: Delta Consultants

INVOICE TO: ConocoPhillips
Attn. Kip Eckert

REPORT TO: Eric Larsen
ADDRESS: 4006 148th Ave SE
Redmond WA 98052

PHONE: FAX:

P.O. NUMBER: WA 255-35-27-2

PROJECT NAME: 255-35-~~27~~ 3 Westlake

PROJECT NUMBER: WA 255-35-27

SAMPLED BY: Jaime KC

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME		BTEX 8021	NWTPH - Gx	NWTPH - Dx	pH Settleable Solids							
1	Effluent	2/8/07	11:15	X	X	X	X							
2	Mid carbon	2/8/07	11:25	X	X	X	X							
3	Influent	2/8/07	11:30	X	X	X	X							
4														
5														
6														
7														
8														
9														
10														

RELEASED BY: Jaime KC
PRINT NAME: Jaime L. KC
FIRM: Delta
DATE: 2/8/07
TIME: 13:05
RECEIVED BY:
PRINT NAME: Francisco Lui

RELEASED BY:
PRINT NAME:
FIRM:
DATE:
TIME:
RECEIVED BY:
PRINT NAME:

ADDITIONAL REMARKS:
* NWTPH-Dx is with Sg cleanup and settelable solids by Imhoff Co

COC REV 05/2004

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Delta Environmental	Project Name:	**COP Westlake 255-35-3**	
4006 148th Ave NE	Project Number:	WA 255-35-27-2	Report Created:
Redmond, WA/USA 98052	Project Manager:	Eric Larsen	02/15/07 16:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Effluent	BQB0156-01	Water	02/08/07 11:15	02/08/07 16:00
Mid carbon	BQB0156-02	Water	02/08/07 11:25	02/08/07 16:00
Influent	BQB0156-03	Water	02/08/07 11:30	02/08/07 16:00

Sandra Yakamavich

Sandra Yakamavich, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
PH: (425) 420.9200 FAX: (425) 420.9210

Delta Environmental	Project Name:	**COP Westlake 255-35-3**	
4006 148th Ave NE	Project Number:	WA 255-35-27-2	Report Created:
Redmond, WA/USA 98052	Project Manager:	Eric Larsen	02/15/07 16:36

Volatile Petroleum Products by NWTPH-Gx

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0156-01 (Effluent)		**Water**			**Sampled: 02/08/07 11:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	50.0	ug/l	1x	7B12024	02/12/07 09:50	02/13/07 05:26	
Surrogate(s): 4-BFB (FID)			*89.7%*		*58 - 144 %*	"			"	
BQB0156-02 (Mid carbon)		**Water**			**Sampled: 02/08/07 11:25**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	50.0	ug/l	1x	7B12024	02/12/07 09:50	02/13/07 06:00	
Surrogate(s): 4-BFB (FID)			*90.0%*		*58 - 144 %*	"			"	
BQB0156-03 (Influent)		**Water**			**Sampled: 02/08/07 11:30**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	----	50.0	ug/l	1x	7B12024	02/12/07 09:50	02/13/07 06:31	
Surrogate(s): 4-BFB (FID)			*90.0%*		*58 - 144 %*	"			"	

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Redmond, WA/USA 98052	Project Manager:	Eric Larsen	02/15/07 16:36

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0156-01 (Effluent)		**Water**				**Sampled: 02/08/07 11:15**				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	0.236	mg/l	1x	7B10001	02/10/07 13:28	02/13/07 18:11	
Lube Oil Range Hydrocarbons	"	ND	-----	0.472	"	"	"	"	"	
Surrogate(s): 2-FBP			*81.8%*		*53 - 125 %*	"			"	
Octacosane			*107%*		*68 - 125 %*	"			"	
BQB0156-02 (Mid carbon)		**Water**				**Sampled: 02/08/07 11:25**				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	0.236	mg/l	1x	7B10001	02/10/07 13:28	02/13/07 19:56	
Lube Oil Range Hydrocarbons	"	ND	-----	0.472	"	"	"	"	"	
Surrogate(s): 2-FBP			*84.3%*		*53 - 125 %*	"			"	
Octacosane			*109%*		*68 - 125 %*	"			"	
BQB0156-03 (Influent)		**Water**				**Sampled: 02/08/07 11:30**				
Diesel Range Hydrocarbons	NWTPH-Dx	ND	-----	0.236	mg/l	1x	7B10001	02/10/07 13:28	02/13/07 20:22	
Lube Oil Range Hydrocarbons	"	ND	-----	0.472	"	"	"	"	"	
Surrogate(s): 2-FBP			*85.6%*		*53 - 125 %*	"			"	
Octacosane			*111%*		*68 - 125 %*	"			"	

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Redmond, WA/USA 98052	Project Manager:	Eric Larsen
		Report Created: 02/15/07 16:36

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0156-01 (Effluent)		**Water**			**Sampled: 02/08/07 11:15**					
Benzene	EPA 8260B	ND	-----	0.500	ug/l	1x	7B09029	02/09/07 15:09	02/09/07 23:37	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Xylenes (total)	"	ND	-----	3.00	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*89.0%*		*70 - 130 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*104%*		*75 - 125 %*	"			"	
BQB0156-02 (Mid carbon)		**Water**			**Sampled: 02/08/07 11:25**					
Benzene	EPA 8260B	ND	-----	0.500	ug/l	1x	7B09029	02/09/07 15:09	02/10/07 00:04	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Xylenes (total)	"	ND	-----	3.00	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*89.0%*		*70 - 130 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*102%*		*75 - 125 %*	"			"	
BQB0156-03 (Influent)		**Water**			**Sampled: 02/08/07 11:30**					
Benzene	EPA 8260B	ND	-----	0.500	ug/l	1x	7B09029	02/09/07 15:09	02/10/07 00:31	
Ethylbenzene	"	ND	-----	0.500	"	"	"	"	"	
Toluene	"	ND	-----	0.500	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Xylenes (total)	"	ND	-----	3.00	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*90.0%*		*70 - 130 %*	"			"	
Toluene-d8			*99.5%*		*75 - 125 %*	"			"	
4-BFB			*102%*		*75 - 125 %*	"			"	

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Delta Environmental	Project Name:	**COP Westlake 255-35-3**	
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Redmond, WA/USA 98052	Project Manager:	Eric Larsen	02/15/07 16:36

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BQB0156-01 (Effluent)		**Water**			**Sampled: 02/08/07 11:15**					
pH	EPA 150.1	7.62	-----		pH Units	1x	7B08052	02/08/07 18:18	02/08/07 20:25	
Settleable Solids	EPA 160.5	ND	-----	0.20	ml/l	"	7B09021	02/09/07 09:23	02/09/07 10:25	
BQB0156-02 (Mid carbon)		**Water**			**Sampled: 02/08/07 11:25**					
pH	EPA 150.1	7.53	-----		pH Units	1x	7B08052	02/08/07 18:18	02/08/07 20:25	
Settleable Solids	EPA 160.5	ND	-----	0.20	ml/l	"	7B09021	02/09/07 09:23	02/09/07 10:25	
BQB0156-03 (Influent)		**Water**			**Sampled: 02/08/07 11:30**					
pH	EPA 150.1	7.99	-----		pH Units	1x	7B08052	02/08/07 18:18	02/08/07 20:25	
Settleable Solids	EPA 160.5	ND	-----	0.20	ml/l	"	7B09021	02/09/07 09:23	02/09/07 10:25	

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Volatile Petroleum Products by NWTPH-Gx - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7B12024 **Water Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7B12024-BLK1)							Extracted: 02/12/07 09:50							
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	02/12/07 10:54	
Surrogate(s): 4-BFB (FID)		*Recovery: 87.8%*			*Limits: 58-144%*	"							*02/12/07 10:54*	
Blank (7B12024-BLK2)							Extracted: 02/12/07 09:50							
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	50.0	ug/l	1x	--	--	--	--	--	--	02/12/07 15:33	
Surrogate(s): 4-BFB (FID)		*Recovery: 89.5%*			*Limits: 58-144%*	"							*02/12/07 15:33*	
LCS (7B12024-BS1)							Extracted: 02/12/07 09:50							
Gasoline Range Hydrocarbons	NWTPH-Gx	916	---	50.0	ug/l	1x	--	1000	91.6%	(80-120)	--	--	02/12/07 11:28	
Surrogate(s): 4-BFB (FID)		*Recovery: 95.3%*			*Limits: 58-144%*	"							*02/12/07 11:28*	
Duplicate (7B12024-DUP1)							QC Source: BQB0124-04RE1						Extracted: 02/12/07 09:50	
Gasoline Range Hydrocarbons	NWTPH-Gx	29400	---	1000	ug/l	20x	29500	--	--	--	0.340%	(25)	02/12/07 12:33	
Surrogate(s): 4-BFB (FID)		*Recovery: 108%*			*Limits: 58-144%*	*1x*							*02/12/07 12:33*	
Duplicate (7B12024-DUP2)							QC Source: BQB0174-01						Extracted: 02/12/07 09:50	
Gasoline Range Hydrocarbons	NWTPH-Gx	1480	---	250	ug/l	5x	1570	--	--	--	5.90%	(25)	02/12/07 17:12	
Surrogate(s): 4-BFB (FID)		*Recovery: 101%*			*Limits: 58-144%*	*1x*							*02/12/07 17:12*	
Matrix Spike (7B12024-MS1)							QC Source: BQB0124-04RE1						Extracted: 02/12/07 09:50	
Gasoline Range Hydrocarbons	NWTPH-Gx	50200	---	1000	ug/l	20x	29500	20000	104%	(75-131)	--	--	02/12/07 13:05	
Surrogate(s): 4-BFB (FID)		*Recovery: 116%*			*Limits: 58-144%*	*1x*							*02/12/07 13:05*	

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Redmond, WA/USA 98052	Project Manager:	Eric Larsen	02/15/07 16:36

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7B10001 **Water Preparation Method: EPA 3520C**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7B10001-BLK1)								Extracted: 02/10/07 13:28						
Diesel Range Hydrocarbons	NWTPH-Dx	ND	---	0.250	mg/l	1x	--	--	--	--	--	--	02/13/07 08:15	
Lube Oil Range Hydrocarbons	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery: 68.8%*			*Limits: 53-125%*	"							*02/13/07 08:15*	
Octacosane		*98.1%*			*68-125%*	"							"	
LCS (7B10001-BS1)								Extracted: 02/10/07 13:28						
Diesel Range Hydrocarbons	NWTPH-Dx	1.83	---	0.250	mg/l	1x	--	2.00	91.5%	(61-132)	--	--	02/13/07 08:41	
Surrogate(s): 2-FBP		*Recovery: 90.0%*			*Limits: 53-125%*	"							*02/13/07 08:41*	
Octacosane		*103%*			*68-125%*	"							"	
LCS Dup (7B10001-BSD1)								Extracted: 02/10/07 13:28						
Diesel Range Hydrocarbons	NWTPH-Dx	1.72	---	0.250	mg/l	1x	--	2.00	86.0%	(61-132)	6.20%	(35)	02/13/07 09:07	
Surrogate(s): 2-FBP		*Recovery: 85.2%*			*Limits: 53-125%*	"							*02/13/07 09:07*	
Octacosane		*104%*			*68-125%*	"							"	

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Volatile Organic Compounds by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7B09029 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (7B09029-BLK1)								Extracted: 02/09/07 12:09						
Benzene	EPA 8260B	ND	---	0.500	ug/l	1x	--	--	--	--	--	--	02/09/07 16:43	
Ethylbenzene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	---	3.00	"	"	--	--	--	--	--	--	"	
Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*89.5%*	*Limits:*	*70-130%*	"							*02/09/07 16:43*	
	Toluene-d8		*104%*		*75-125%*	"							"	
	4-BFB		*106%*		*75-125%*	"							"	
LCS (7B09029-BS1)								Extracted: 02/09/07 12:09						
Benzene	EPA 8260B	19.5	---	0.500	ug/l	1x	--	20.0	97.5%	(80-120)	--	--	02/09/07 14:32	
Ethylbenzene	"	18.0	---	0.500	"	"	--	"	90.0%	(75-125)	--	--	"	
Methyl tert-butyl ether	"	21.0	---	1.00	"	"	--	"	105%	(75-126)	--	--	"	
Naphthalene	"	20.7	---	5.00	"	"	--	"	104%	(65-144)	--	--	"	
Toluene	"	18.8	---	0.500	"	"	--	"	94.0%	(75-125)	--	--	"	
o-Xylene	"	19.9	---	1.00	"	"	--	"	99.5%	(75-130)	--	--	"	
m,p-Xylene	"	37.3	---	2.00	"	"	--	40.0	93.2%	(75-125)	--	--	"	
Xylenes (total)	"	57.2	---	3.00	"	"	--	60.0	95.3%	"	--	--	"	
Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*88.0%*	*Limits:*	*70-130%*	"							*02/09/07 14:32*	
	Toluene-d8		*98.0%*		*75-125%*	"							"	
	4-BFB		*99.5%*		*75-125%*	"							"	
LCS Dup (7B09029-BSD1)								Extracted: 02/09/07 12:09						
Benzene	EPA 8260B	20.6	---	0.500	ug/l	1x	--	20.0	103%	(80-120)	5.49%	(20)	02/09/07 15:02	
Ethylbenzene	"	19.5	---	0.500	"	"	--	"	97.5%	(75-125)	8.00%	"	"	
Methyl tert-butyl ether	"	20.6	---	1.00	"	"	--	"	103%	(75-126)	1.92%	"	"	
Naphthalene	"	19.4	---	5.00	"	"	--	"	97.0%	(65-144)	6.48%	"	"	
Toluene	"	20.4	---	0.500	"	"	--	"	102%	(75-125)	8.16%	"	"	
o-Xylene	"	21.3	---	1.00	"	"	--	"	106%	(75-130)	6.80%	"	"	
m,p-Xylene	"	40.4	---	2.00	"	"	--	40.0	101%	(75-125)	7.98%	"	"	
Xylenes (total)	"	61.6	---	3.00	"	"	--	60.0	103%	"	7.41%	"	"	
Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*84.0%*	*Limits:*	*70-130%*	"							*02/09/07 15:02*	
	Toluene-d8		*99.0%*		*75-125%*	"							"	
	4-BFB		*99.0%*		*75-125%*	"							"	

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Conventional Chemistry Parameters by APHA/EPA Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 7B08052 **Water Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (7B08052-DUP1)					QC Source: BQB0156-01				Extracted: 02/08/07 18:18					
pH	EPA 150.1	7.61	---		pH Units	1x	7.62	--	--	--	0.131%	(10)	02/08/07 20:25	

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Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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