Stantec

UST System Removal Report

Former ConocoPhillips Facility No. 25553
600 Westlake Avenue North
Seattle, Washington
Stantec Project No. 01CP.05353.01

December 17, 2008

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1.0 Introduction

Stantec Consulting Corporation (Stantec) was retained by ConocoPhillips to provide documentation of underground storage tank (UST) removal at former ConocoPhillips Facility No. 255353 (the Site). The Site is located at 600 Westlake Avenue North in Seattle, Washington. The site location is illustrated on ***Figure 1***. The work was conducted on September 16 and 18, 2008 in accordance the Washington State Department of Ecology (Ecology) document: "*Guidance for Site Checks and Site Assessments for Underground Storage Tanks*" (Ecology, February 1991 [revised April 2003]). Site assessment activities were performed by a certified Washington State Site Assessor under International Code Council (ICC) certificate number 5062844-U7. Saybr Contractors, Inc. (Saybr) of Tacoma, Washington was subcontracted by ConocoPhillips Company (ConocoPhillips) to conduct UST removal activities.

1.1 PURPOSE AND SCOPE OF WORK

Stantec observed the removal of four single-wall fiberglass USTs and associated system equipment. Stantec collected soil samples to assess subsurface conditions beneath the former UST area, product piping, and dispenser islands. Stantec's scope of work consisted of the following tasks:

- Preparing and implementing a site-specific Health and Safety Plan (HASP);
- Inspecting the condition of the USTs and ancillary equipment upon removal;
- Collecting soil samples from the limits of the excavations, beneath the dispensers and associated product lines, and soil stockpiles and submit the samples for quantitative chemical analysis; and,
- Summarizing the results of these activities in this report.

1.2 BACKGROUND

In May 1980, a release of supreme leaded gasoline on the ConocoPhillips property was confirmed by Unocal (the property owner at the time of the release), after discrepancies were discovered during inventory reconciliation. Approximately 80,000 gallons was estimated to have leaked over a 4-month period. The release occurred from a product line just south of the western pump islands. The underground storage tanks (USTs) and piping were immediately replaced, two recovery trenches were installed on the service station property, and a number of recovery wells were installed. Removal of liquid phase hydrocarbons (LPH) was initiated in June 1980. The total volume of gasoline extracted by October 1982 was approximately 41,900 gallons, when removal of LPH was discontinued as recovery volumes dwindled.

In May 2001, a gasoline product line was ruptured during the removal of adjacent waste oil and heating oil tanks on the ConocoPhillips property. An estimated 600 gallons of supreme unleaded gasoline was released into the excavation area. Approximately 500 gallons of product was immediately removed from the excavation utilizing a vacuum truck that was present at the site. Throughout the year, vacuum trucks and hand bailing were used for fluid recovery from adjacent monitoring wells. Approximately 4 gallons of LPH was manually removed and placed in a sealed drum. Approximately 12,100 gallons of impacted groundwater was removed by vacuum truck (ERI 2001).

In 2003, a new on-site air sparge (AS)/SVE system was installed on the ConocoPhillips property. The system became operational in August 2003. Approximately 1,410 tons of impacted soils were removed and transported for treatment during the installation of the remediation system trenches and wells (GeoEngineers 2003). Cumulative petroleum hydrocarbon removal from September 2003 through March 2008 was approximately 1,939.9 pounds of petroleum hydrocarbons. Total LPH recovered from June 1980 through the end of the third quarter 2008 was approximately 43,632 gallons (Stantec 2008).

A substantial soil excavation was completed between July 2006 and April 2007, which encompassed much of the right-of-way of Westlake Avenue, between Mercer and Valley Streets. This phase of work also included trenching for remediation wells in Westlake Avenue (21 AS wells and 9 horizontal SVE wells) and in Terry Avenue (6 EFR wells and 12 standard, vertical SVE wells). A total of 16,172 tons of soil were removed as a result of these activities. The soil removed was a mixture of soil impacted with petroleum hydrocarbon concentrations exceeding MTCA Method A cleanup levels, and soil that contained concentrations of these compounds not exceeding MTCA Method A cleanup levels and/or below laboratory reporting limits.

2.0 Facility Description

2.1 SITE LOCATION

The Site is located on the northeast corner of the intersection of Mercer Street and Westlake Avenue North in Seattle, Washington (***Figure 1***). The area surrounding the site is used primarily by retail businesses. Adjacent properties owners are City Investors XI L.L.C. and West Marine. The site is located in the southwest quarter of the northeast quarter of Section 30 in Township 25 North and Range 04 East.

2.2 SITE DESCRIPTION

The Site is currently a vacant lot covered with concrete, asphalt, and gravel. Prior to facility decommissioning activities, the above-surface site features included ten product dispensers situated atop four concrete dispenser islands, two canopies covering the dispenser islands, vertical vent lines and a convenience store. Concrete and asphalt paving covered the entire site except in landscaped areas. Prior to facility decommissioning activities, the subsurface site features included four 10,000-gallon single wall fiberglass USTs. The northeast 10,000-gallon UST contained diesel fuel; the northwest 10,000-gallon UST contained supreme unleaded gasoline, and the southeast and southwest 10,000-gallon USTs contained regular unleaded gasoline. Additional subsurface features included bravo box units beneath the product dispensers, fiberglass product piping, fiberglass vent lines and ancillary equipment associated with the product dispensing system. The site configuration is illustrated on ***Figure 2***.

2.3 SUBSURFACE CONDITIONS

Historical site activities indicate that subsurface soils consist of silts and sands with varying amounts of clay and gravel to depths ranging from approximately 10 to 20-feet below ground surface (bgs). A layer of wood debris exists ranging from trace amounts to as much as 10-feet thick. The wood debris has been encountered at depths ranging from approximately 9 to 20-feet bgs. Native sands, silts, and clays have been observed beneath the layer of wood debris. Groundwater depths on-site range from approximately 9 to 12-feet bgs. No groundwater was encountered during the UST removal activities.

3.0 Field Activities

3.1 UST SYSTEM REMOVAL ACTIVITIES

On September 16, 2008, Stantec observed the removal or four 10,000-gallon single wall fiberglass USTs. The USTs were drained and rendered inert using dry ice (CO_2) prior to removal. Visual inspection indicated that the product delivery piping appeared to be in good condition. Upon exposure and visual inspection, all tanks appeared to be in overall good condition, and no apparent failures were observed. The sidewall of the northeastern UST cracked during the removal. Saybr and ConocoPhillips decided to dismantle the USTs in the bottom of the excavation and remove them in sectioned pieces. Marine Chemists were on site and approved the oxygen levels before access holes were cut in the USTs. Once the access holes were cut into the USTs, each tank was rinsed and vacuumed of all remaining residual liquid. Each UST was then sectioned in place and removed by the excavator. No visual soil staining was observed in the UST excavation.

Approximately 300 cubic yards of pea gravel generated from excavating the overburden from the top of the USTs were stockpiled on visqueen in the northern portion of the site. The location of the stockpiled soil is illustrated on ***Figure 2***. Groundwater was not encountered during tank removal or excavation activities. A copy of the waste profile is included in ***Appendix A*** and copies of the waste disposal receipts are included in ***Appendix B***.

The product dispensers were removed previous to facility decommissioning activities. Stantec personnel were not on-site when Saybr removed the product piping. No visual soil staining was observed in the areas of the product dispensers or product piping.

3.2 SOIL SAMPLING ACTIVITIES

Soils were collected with a stainless steel trowel and laboratory supplied plastic plungers, then placed into laboratory-supplied 4-ounce jars and 40-milliliter vials. Care was taken to obtain representative soil samples, to place the soils quickly and directly into the sample container, and to fill the sample jar to capacity to minimize loss of volatile constituents.

The stainless steel trowel was decontaminated, wiped clean, and a new laboratory supplied plastic plunger was used to collect each soil sample. The threads of the sample jars were wiped clean of soil particles that would interfere with an airtight seal, and a Teflon-lined screw lid was immediately placed on the jar. The filled sample jars were placed in an iced cooler to await transport. United States Environmental Protection Agency (EPA) recommended protocols for sample management, including chain-of-custody documentation, were observed during all sampling activities.

On September 16, 2008, Stantec personnel collected eight soil samples (ESW-10, NET-11, NWT-11, NSW-6, SET-11, SSW-8, SWT-11, and WSW-8) from various locations in the UST excavation. Soil samples were collected from the center of the excavator's bucket.

On September 16, 2008 Stantec personnel collected five soil samples (SP-1 through SP-5) from various locations within the stockpile. Soil samples were collected from 6 to12-inches beneath the surface of the stockpile so that a more representative sample could be submitted for analysis.

On September 18, 2008 Stantec personnel collected eighteen soil samples (D-1, PL-1, D-2, PL-2, D-3, D-4, PL-4, D-5, PL-5, D-6, PL-6, D-7, PL-7, D-8, PL-8, D-9, PL-9, and D-10) beneath the product lines and dispensers. Soil samples were collected at depths of approximately 2-feet bgs.

The extent of the excavation and sample locations are illustrated on ***Figure 2.*** Copies of the Washington Department of Ecology Site Assessor Checklist and UST 30-Day Notice are included in ***Appendix C.***

3.3 ANALYTICAL METHODS

Soil samples collected during excavation activities and from soil stockpiles were submitted to Test America Laboratories in Bothell, Washington for chemical analysis. Soil samples were analyzed in accordance with the MTCA Cleanup Regulation Table 830-1, Required Testing for Petroleum Releases. Per MTCA Table 830-1, soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) via NWTHP-Gx; total petroleum hydrocarbons as diesel (TPH-d) and total petroleum hydrocarbons as heavy oil (TPH-o) via NWTPH-Dx with acid/silica gel cleanup; benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), methyl tert butyl ether (MTBE), 1,2-dibromoethance (EDB), and 1,2-dicholoroethane (EDC) via EPA method 8260B; total lead via EPA method 6010; and carcinogenic polynuclear aromatic hydrocarbons (cPAHs) and naphthalene via EPA method 8270 using selective ion monitoring. Stockpile samples were also analyzed for Resource Conservation Recovery Act (RCRA) 8 metals and Toxicity Characteristic Leaching Procedure (TCLP) for lead and benzene via EPA method 1311.

3.4 SOIL DISPOSAL

The stockpiled soil from the UST excavation was transported off-site and disposed of at a Washington State approved facility. Saybr contracted City Transfer, Inc. to transport the stockpiled soil to the Waste Management facility located on Alaska Street in Seattle, Washington. A copy of the waste profile is included in ***Appendix A*** and copies of the waste disposal receipts are included in ***Appendix B***.

4.0 Analytical Results

Soil samples collected on September 16 and 18, 2008 from the UST, product line and dispenser removals contained various constituents at concentrations that exceeded their respective MTCA Method A cleanup levels.

Soil samples collected on September 16, 2008 from the limits of the completed UST excavation contained constituents at concentrations that exceeded the MTCA Method A cleanup levels. TPH-g concentrations above MTCA Method A cleanup levels ranged from 1,640 milligrams per kilograms (mg/Kg) in sample NET-11 to 10,600 mg/Kg in sample SET-11. Benzene concentrations above MTCA Method A cleanup levels ranged from 0.4 mg/Kg in sample NET-11 to 4.40 mg/Kg in sample SET-11. Ethylbenzene concentrations above MTCA Method A cleanup levels ranged from 16 mg/Kg in sample NET-11 to 190 mg/Kg in sample SET-11. Total xylene concentrations above MTCA Method A cleanup levels ranged from 95 mg/Kg in sample NET-11 to 990 mg/Kg in sample SET-11. cPAHs were detected in sample NET-11 at a total concentration of 1.9575 mg/Kg. cPAH results in sample NWT-11 were below laboratory reporting limits, however the total cPAH value was above MTCA Method A cleanup levels (0.1601 mg/Kg). No other constituents were detected at concentrations that exceeded MTCA Method A cleanup levels in samples collected from the UST excavation.

Soil samples collected on September 16, 2008 from the stockpile generated by the UST excavation contained petroleum hydrocarbon constituents at concentrations that exceeded MTCA Method A cleanup levels. Total cPAHs were detected in sample SP-4 at a concentration of 2.7933 mg/Kg. No other constituents were detected at concentrations that exceeded MTCA Method A cleanup levels in samples collected from the soil stockpile.

Soil samples collected from beneath the product lines on September 18, 2008 did not contain constituents at concentrations that exceeded MTCA Method A cleanup levels.

Soil samples collected from beneath the dispenser locations on September 18, 2008 contained petroleum hydrocarbon constituents at concentrations that exceeded MTCA Method A cleanup levels. TPH-g was detected in sample D-6 at a concentration of 108 mg/Kg. TPH-d was detected in sample D-6 at a concentration of 4,300 mg/Kg. Kerosene was detected in sample D-6 at a concentration of 3,300 mg/Kg. No other constituents were detected at concentrations that exceeded MTCA Method A cleanup levels in soil samples collected from the product dispenser area.

Analytical results for all the submitted soil samples are summarized in ***Tables 1 through 4***. Complete laboratory results and chain-of-custody documentation are included in ***Appendix D***.

5.0 Summary and Conclusions

Stantec personnel observed four 10,000-gallon, single-wall, fiberglass USTs removed from the Site on September 16, 2008. Eight confirmation soil samples were collected from the UST excavation area. Five soil samples were collected from the stockpiled soil. The product dispensers were removed prior to facility decommissioning activities. Ten confirmation soil samples were collected beneath the product dispenser areas. Product lines were removed while Stantec personnel were off site. Eight confirmation soil samples were collected from beneath the product line areas. No visual soil staining was observed in the UST excavation areas, product dispenser, or product piping areas. The thirty-one confirmation soil samples were submitted to the Test America Laboratory in Bothell, Washington. Groundwater was not encountered during the tank removal activities. Analytical laboratory results of soil samples collected following UST removal activities indicate constituents that exceed MTCA Method A cleanup levels in samples collected from the UST excavation, product dispenser areas, and stockpiled soil.

The Site is scheduled for supplemental excavation activities in 2009 that are expected to include the former UST and product dispenser locations, as well as other areas of the site. The excavation will remove soils located within the site to a depth of approximately 15-feet bgs. It is Stantec's opinion that the majority of petroleum-impacted soil with concentrations exceeding MTCA Method A cleanup levels will be excavated and removed during these supplemental excavation activities.

6.0 Limitations

This report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the Site. It was prepared for the exclusive use of ConocoPhillips, for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the Site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

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7.0 References

Washington State Department of Ecology. February 1991. (Revised April, 2003). *Guidance for Site Checks and Site Assessments for Underground Storage Tanks.* Department of Ecology Underground Storage Tank Program.

Environmental Resolutions, Inc. November 21, 2001. *Waste Oil and Heating Oil Underground Storage Tank Removal, Soil Sampling and Fluid Recovery.* Tosco Site No. 5353, 600 Westlake Avenue North, Seattle, Washington.

Stantec Consulting Corporation. September 25, 2008. *Second Quarter 2008 Operations and Maintenance Report.* ConocoPhillips Station 255353, 600 Westlake Avenue North, Seattle, Washington.

Tables

TABLE 1
Analytical Results for Soil Samples from UST, Product Dispenser, and Product Line Removal
TPH, VOC, Lead
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D.	Sample Date	Sample Depth (ft bgs)	Sample Location	TPH-Gasoline (mg/Kg)	TPH- Diesel (mg/Kg)	TPH-Oil (mg/Kg)	Kerosene (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)	EDB (mg/Kg)	EDC (mg/Kg)	Total Lead (mg/Kg)
NET-11	09/16/08	11	Beneath northeast UST formerly containing diesel fuel.	**1,640**	119	140	209	**0.4**	5	**16**	**95**	<0.52	<0.05	<0.05	10.4
NWT-11	09/16/08	11	Beneath northwest UST formerly containing supreme fuel.	18.90	13	155	<10.7	<0.0236	0.02	<0.118	<0.355	<0.591	<0.118	<0.118	15
SET-11	09/16/08	11	Beneath southeast UST formerly containing regular fuel.	**10,600**	187	82	466	**4.40**	**9**	**190**	**990**	<0.58	<0.06	<0.06	5.30
SWT-11	09/16/08	11	Beneath southwest UST formerly containing regualr fuel.	**2,850**	109	131	293	**0.89**	1.80	**25**	**160**	<0.6	<0.06	<0.06	26.40
NSW-6	09/16/08	6	North sidewall of thank pit excavation.	<8.87	<11.6	<29	<11.6	0.000289	0.000311	<0.00222	0.001520	<0.000556	<0.00278	<0.00695	6.75
ESW-10	09/16/08	10	East sidewall of tank pit excavation.	<9.12	<12.5	<31.3	<12.5	0.000863	0.000596	0.000381	0.002340	<0.000718	<0.00359	<0.000898	9.0
SSW-8	09/16/08	8	South sidewall of tank pit excavation.	<6.71	<11.1	130	<11.1	<0.00092	<0.00092	<0.00245	0.001590	<0.000613	<0.00307	<0.000767	91.6
WSW-8	09/16/08	8	West sidewall of tank pit excavation.	<7.17	<10.4	<26.1	<10.4	<0.00104	<0.00104	<0.00278	0.000750	<0.000695	<0.00347	<0.000869	7.57
D-1	09/18/08	2	Beneath southeast dispenser along Mercer street.	<6.01	878	72.10	622	<0.024	0.0276	0.0409	<0.36	<0.601	<0.12	<0.120	14.9
D-2	09/18/08	2	Beneath southwest dispenser along Mercer street.	<5.18	Diesel fuel not dispensed at this location.			<0.00111	<0.00111	<0.00296	0.001060	<0.000739	<0.00369	<0.000924	3.75
D-3	09/18/08	2	Beneath northeast dispenser along Mercer street.	<4.66	Diesel fuel not dispensed at this location.			<0.0193	<0.00965	<0.00965	<0.0299	<0.00965	<0.0965	<0.0965	13.80
D-4	09/18/08	2	Beneath south dispenser of west pump island along Westlake avenue.	<5.78	Diesel fuel not dispensed at this location.			0.00105	0.00399	0.001120	0.00923	<0.000716	<0.00358	<0.000895	17.00
D-5	09/18/08	2	Beneath center dispenser of west pump island alonf Westlake avenue.	<5.79	Diesel fuel not dispensed at this location.			<0.00154	<0.00154	<0.00411	0.001050	<0.000103	<0.00514	<0.00128	8.61
D-6	09/18/08	2	Beneath north dispenser of west pump island along Westlake avenue.	**108**	**4,300**	139	**3,330**	<0.00103	<0.00103	<0.00275	0.001580	<0.000688	<0.00344	<0.000859	4.68

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ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D.	Sample Date	Sample Depth (ft bgs)	Sample Location	TPH-Gasoline (mg/Kg)	TPH- Diesel (mg/Kg)	TPH-Oil (mg/Kg)	Kerosene (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)	EDB (mg/Kg)	EDC (mg/Kg)	Total Lead (mg/Kg)
D-7	09/18/08	2	Beneath north dispenser of east pump island along Westlake avenue.	<4.72	Diesel fuel not dispensed at this location.			<0.00106	<0.00106	<0.00284	0.000972	<0.00709	<0.00355	<0.000887	6.44
D-8	09/18/08	2	Beneath center dispenser of east pump island along Westlake avenue.	<5.90	Diesel fuel not dispensed at this location.			<0.00122	<0.00122	<0.00326	0.001790	<0.000815	<0.00408	<0.00102	11.00
D-9	09/18/08	2	Beneath south dispenser of east pump island along Westlake avenue.	<5.51	Diesel fuel not dispensed at this location.			<0.00144	<0.00144	<0.00384	0.00109	<0.000881	<0.00441	<0.00110	7.86
D-10	09/18/08	2	Beneath northwest dispenser along Mercer street.	<4.57	35.5	42.9	21.40	<0.00102	0.000645	0.000353	0.005	<0.000679	<0.00340	<0.000849	7.80
PL-1	09/18/08	2	Beneath elbow joint of product line leading to D-1.	<4.95	<10.6	27.9	<10.6	<0.00115	<0.00115	<0.00307	0.002030	<0.000766	<0.00383	<0.000958	15.50
PL-2	09/18/08	2	Beneath elbow joint of product line leading to D-2.	<5.05	Diesel fuel not dispensed at this location.			<0.00114	<0.00114	<0.00304	<0.00101	<0.000760	<0.00380	<0.000951	14.10
PL-4	09/18/08	2	Beneath elbow joint of product line leading to D-4.	<6.20	15	33.3	<10.4	0.000492	0.003290	0.001250	0.013000	<0.000819	<0.00410	<0.00102	15.70
PL-5	09/18/08	2	Beneath elbow joint of product line leading to D-5.	<5.54	29.90	<26	22.10	<0.00155	0.000825	<0.00412	0.002400	<0.00103	<0.00516	<0.00129	11.30
PL-6	09/18/08	2	Beneath elbow joint of product line of D-6.	11.30	609	34.3	438.00	<0.0208	<0.104	<0.104	<0.312	<0.52	<0.104	<0.104	2.04
PL-7	09/18/08	2	Beneath elbow joint of product line leading to D-7.	<4.97	Diesel fuel not dispensed at this location.			<0.000828	0.000392	0.000353	0.00653	<0.000552	<0.00276	<0.000690	10.7
PL-8	09/18/08	2	Beneath elbow joint of product line leading to D-8.	<4.38	Diesel fuel not dispensed at this location.			<0.00125	<0.00125	<0.0033	0.0026	<0.000833	<0.00416	<0.00104	14.1
PL-9	09/18/08	2	Beneath elbow joint of product line leading to D-9.	<5.31	<10.5	<26.3	<10.5	<0.00125	<0.00125	<0.00333	0.002600	<0.000833	<0.00416	<0.00104	5.43
MTCA Method A Cleanup Level for Soil				**100**	**2,000**	**2,000**	**2,000**	**0.03**	**7**	**6**	**9**	**0.1**	**0.005**	**NL**	**250**

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NOTES:

illigrams per kilograms
e laboratory detection limit
sis by Northwest Method NWTPH-Gx
west Method NWTPH-Dx with acid/silica gel cleanup
Analysis by EPA Method 8260B
Naphthalene - Analysis by EPA Method 8260B
lysis by EPA Method 6000/7000 Series
nalysis by EPA Method 8260B
d 8270 using Selective Ion Monitoring (SIM)
ions exceeding the MTCA Method A soil cleanup level.
have MTCA Method A cleanup level.

TABLE 2
Analytical Results for Soil Samples from UST, Product Dispenser, and Product Line Removal
cPAH
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D.	Sample Date	Sample Depth	Sample Location	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (ghi) perylene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Total Toxicity Equivalent Concentration
NET-11	09/16/08	11	Beneath northeast UST formerly containing diesel fuel.	0.3140	0.141	1.54	1.42	**1.53**	0.877	0.967	0.691	1.58	0.253	3.84	0.409	0.6	2.3	3.85	2.24	4.39	4.29	**1.9575**
NWT-11	09/16/08	11	Beneath northwest UST formerly containing supreme fuel.	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**<0.106**	**0.1601**
SET-11	09/16/08	11	Beneath southeast UST formerly containing regular fuel.	0.131	<0.0111	0.12	0.0795	0.0742	0.044	0.054	0.0329	0.0953	<0.0111	0.235	0.126	0.0263	4.36	7.21	8.05	<0.426	0.273	0.0966
SWT-11	09/16/08	11	Beneath southwest UST formerly containing regualr fuel.	0.7050	0.16	0.777	0.576	**0.62**	0.432	0.41	0.2420	0.681	0.0678	1.78	0.525	0.217	6.03	9.35	7.48	2.65	2.0800	**0.7971**
NSW-6	09/16/08	6	North sidewall of thank pit excavation.	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	<0.0116	0.0175
ESW-10	09/16/08	10	East sidewall of tank pit excavation.	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	0.0135	<0.0125	0.0133	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	0.0165	0.0189
SSW-8	09/16/08	8	South sidewall of tank pit excavation.	<0.0548	0.115	<0.0548	0.0643	**0.171**	0.0983	0.0793	0.227	0.107	<0.0548	0.113	<0.0548	0.165	<0.0548	<0.0548	<0.0548	0.095	0.161	**0.2182**
WSW-8	09/16/08	8	West sidewall of tank pit excavation.	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	0.0123	0.0156
D-1	09/18/08	2	Beneath southeast dispenser along Mercer street.	<0.0221	<0.0221	<0.0221	<0.0221	0.0275	<0.0221	<0.0221	0.0250	0.0342	<0.0221	0.0735	<0.0221	<0.0221	<0.0221	<0.0221	<0.0221	0.04	0.0805	0.0389
D-2	09/18/08	2	Beneath southwest dispenser along Mercer street.	Diesel fuel not dispensed at this location.																		
D-3	09/18/08	2	Beneath northeast dispenser along Mercer street.	Diesel fuel not dispensed at this location.																		
D-4	09/18/08	2	Beneath south dispenser of west pump island along Westlake avenue.	Diesel fuel not dispensed at this location.																		

TABLE 2
Analytical Results for Soil Samples from UST, Product Dispenser, and Product Line Removal
cPAH
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D.	Sample Date	Sample Depth	Sample Location	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (ghi) perylene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Total Toxicity Equivalent Concentration
D-5	09/18/08	2	Beneath center dispenser of west pump island alonf Westlake avenue.	Diesel fuel not dispensed at this location.																		
D-6	09/18/08	2	Beneath north dispenser of west pump island along Westlake avenue.	0.121	0.121	0.078	<0.0513	<0.0513	<0.0513	<0.0513	<0.0513	<0.0513	<0.0513	<0.0513	0.1970	<0.0513	0.1830	0.0698	<0.0513	0.1000	0.2580	0.0775
D-7	09/18/08	2	Beneath north dispenser of east pump island along Westlake avenue.	Diesel fuel not dispensed at this location.																		
D-8	09/18/08	2	Beneath center dispenser of east pump island along Westlake avenue.	Diesel fuel not dispensed at this location.																		
D-9	09/18/08	2	Beneath south dispenser of east pump island along Westlake avenue.	Diesel fuel not dispensed at this location.																		
D-10	09/18/08	2	Beneath northwest dispenser along Mercer street.	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104	0.0108	<0.0104	<0.0104	0.0141	<0.0104	<0.0104	<0.0104	0.0153	<0.0104	<0.0104	0.0180	0.0157
PL-1	09/18/08	2	Beneath elbow joint of product line leading to D-1.	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	0.0124	<0.0106	0.0168	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	0.0137	0.0196	0.0160
PL-2	09/18/08	2	Beneath elbow joint of product line leading to D-2.	Diesel fuel not dispensed at this location.																		
PL-4	09/18/08	2	Beneath elbow joint of product line leading to D-4.	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	<0.0519	0.0733	<0.0519	<0.0519	<0.0519	0.0784
PL-5	09/18/08	2	Beneath elbow joint of product line leading to D-5.	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	0.0135	<0.0103	<0.0103	0.0123	0.0156
PL-6	09/18/08	2	Beneath elbow joint of product line of D-6.	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	0.0227	0.0440	0.0154
PL-7	09/18/08	2	Beneath elbow joint of product line leading to D-7.	Diesel fuel not dispensed at this location.																		

TABLE 2
Analytical Results for Soil Samples from UST, Product Dispenser, and Product Line Removal
cPAH
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

PL-8	09/18/08	2	Beneath elbow joint of product line leading to D-8.	Diesel fuel not dispensed at this location.																	
PL-9	09/18/08	2	Beneath elbow joint of product line leading to D-9.	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	0.0160
MTCA Method A Cleanup Level for Soil				**NL**	**NL**	**NL**	**NL**	**0.1**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5**	**NL**	**NL**	**0.1**

NOTES:
lligrams per kilograms
› laboratory detection limit
›is by Northwest Method NWTPH-Gx
›west Method NWTPH-Dx with acid/silica gel cleanup
Analysis by EPA Method 8260B
Naphthalene - Analysis by EPA Method 8260B
›lysis by EPA Method 6000/7000 Series
›alysis by EPA Method 8260B
› 8270 using Selective Ion Monitoring (SIM)
ons exceeding the MTCA Method A soil cleanup level.
have MTCA Method A cleanup level.

TABLE 3
Analytical Results for Soil Samples from UST Removal Stockpile
TPH, VOC, RCRA, TCLP
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D.	Sample Date	Sample Location	TPH-Gasoline (mg/Kg)	TPH-Diesel (mg/Kg)	TPH-Oil (mg/Kg)	Kerosene (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)	EDB (mg/Kg)	EDC (mg/Kg)	Total Lead (mg/Kg)	Arsenic	Cadmium	Chromium	Mercury	TCLP Lead	TCLP Benzene
SP-1	09/16/08	Stockpile	<3.12	<10.2	<25.5	<10.2	0.000252	0.000307	<0.00116	0.000585	<0.000289	<0.00145	<0.000362	20.700	3.530	<0.527	29.9	<0.0952	<1	<0.0100
SP-2	09/16/08	Stockpile	<1.99	<9.92	<24.8	<9.92	<0.00919	0.012	<0.0459	<0.138	<0.230	<0.0459	<0.0459	1.400	3.180	<0.429	4.3	<0.0994	<1	<0.0100
SP-3	09/16/08	Stockpile	<3.31	<10.2	<25.4	<10.2	<0.000471	<0.000471	<0.00126	0.000361	<0.000314	<0.00157	<0.000392	7.140	1.800	<0.479	17.6	<0.100	<1	<0.0100
SP-4	09/16/08	Stockpile	<2.30	20.7	32	12.2	<0.0143	<0.0713	<0.0713	<0.214	<0.357	<0.0713	<0.0713	10.2	2.100	<0.539	15.7	<0.100	<1	<0.0100
SP-5	09/16/08	Stockpile	10.4	<10.2	<25.5	<10.2	0.00008	0.000244	0.0001560	0.000834	<0.000165	<0.000823	<0.000206	3.560	2.310	0.494	16.9	<0.102	<1	<0.0100
MTCA Method A Cleanup Level for Soil			**100**	**2,000**	**2,000**	**2,000**	**0.03**	**7**	**6**	**9**	**0.1**	**0.005**	**NL**	**250**	**20**	**2**	**NL**	**2**	**NL**	**NL**

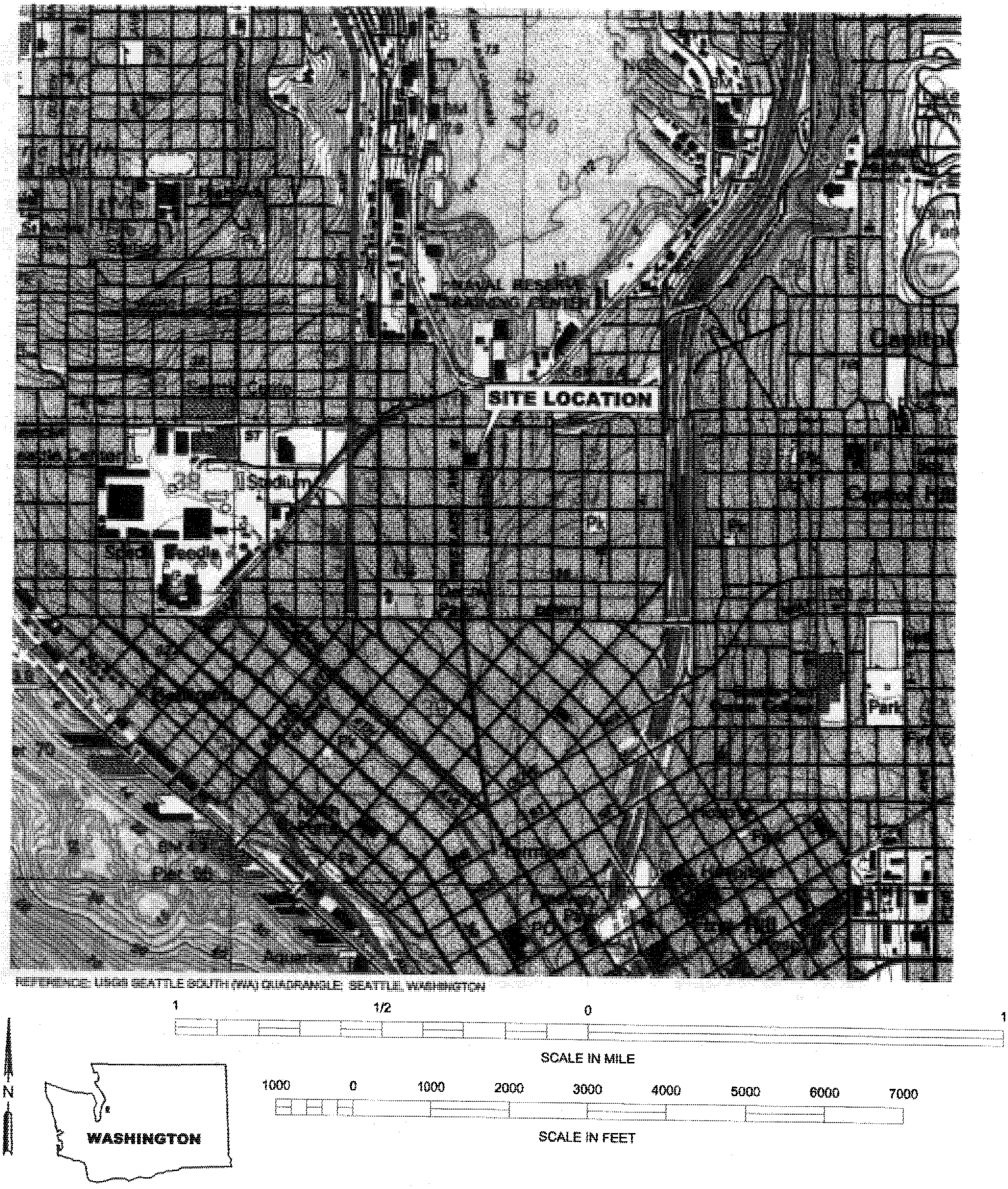
NOTES:
= milligrams per kilograms
/ the laboratory detection limit
alysis by Northwest Method NWTPH-Gx
orthwest Method NWTPH-Dx with acid/silica gel cleanup
ls - Analysis by EPA Method 8260B
and Naphthalene - Analysis by EPA Method 8260B
Analysis by EPA Method 6000/7000 Series
- Analysis by EPA Method 8260B
thod 8270 using Selective Ion Monitoring (SIM)
trations exceeding the MTCA Method A soil cleanup level.
not have MTCA Method A cleanup level.

TABLE 4
Analytical Results for Soil Samples from UST Removal Stockpile
cPAH
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D.	Sample Date	Sample Location	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (ghi) perylene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Total Toxicity Equivalent Concentration
SP-1	09/16/08	Stockpile	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	<0.0101	0.0153
SP-2	09/16/08	Stockpile	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0151
SP-3	09/16/08	Stockpile	0.0161	0.0273	0.0112	0.0211	0.0393	0.0295	0.0227	0.0584	0.0313	0.0113	0.0453	<0.0102	0.0369	0.0279	0.0443	<0.0102	0.0337	0.0622	0.0518
SP-4	09/16/08	Stockpile	0.7820	0.0708	1.2800	1.8500	**2.1800**	1.4400	1.3800	1.0500	2.3600	0.3520	4.9000	0.6550	0.8750	0.3290	0.3610	0.8820	6.0700	5.4200	**2.7933**
SP-5	09/16/08	Stockpile	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	0.0105	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	0.0143	0.0154
MTCA Method A Cleanup Level for Soil			**NL**	**NL**	**NL**	**NL**	**0.1**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**5**	**NL**	**NL**	**0.1**

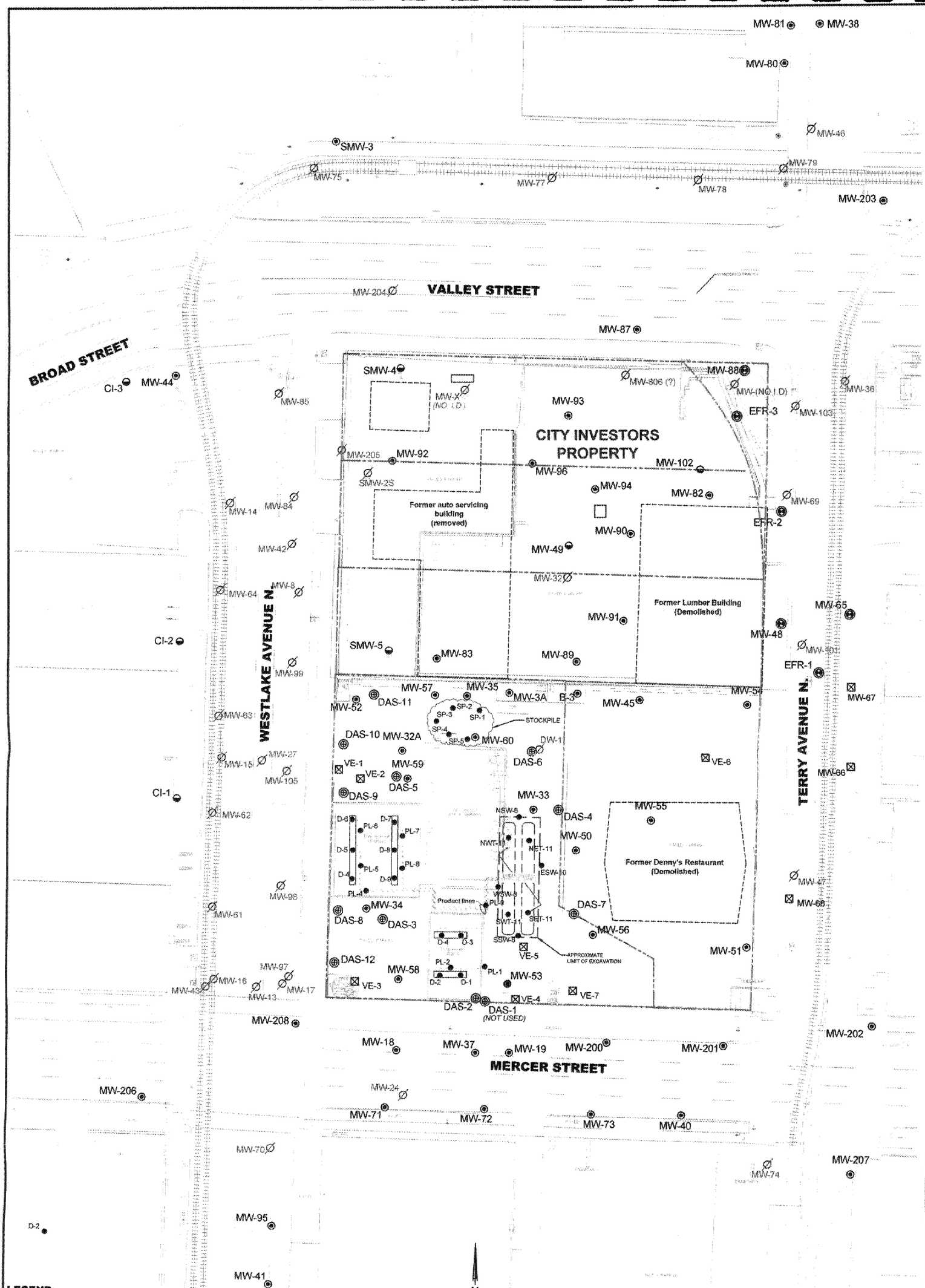
NOTES:
mg/Kg = milligrams per kilograms
<n = Below the laboratory detection limit
TPH as Gasoline - Analysis by Northwest Method NWTPH-Gx
TPH as Diesel and Oil - Analysis by Northwest Method NWTPH-Dx with acid/silica gel cleanup
BTEX Compounds - Analysis by EPA Method 8260B
MTBE (Methyl tert-Butyl Ether) and Naphthalene - Analysis by EPA Method 8260B
Total Lead and Metals - Analysis by EPA Method 6000/7000 Series
EDB and EDC - Analysis by EPA Method 8260B
cPAH - Analysis by EPS Method 8270 using Selective Ion Monitoring (SIM)
Values in **BOLD** are detectable concentrations exceeding the MTCA Method A soil cleanup level.
NL - Constituent does not have MTCA Method A cleanup level.

Figures



REFERENCE: USGS SEATTLE SOUTH (WA) QUADRANGLE, SEATTLE, WASHINGTON

Stantec 12034 134th COURT NE SUITE 102 REDMOND, WASHINGTON PHONE: (425) 372-1590 FAX: (425) 372-1650	FOR: ConocoPhillips FACILITY NO. 255353 600 WESTLAKE AVE NORTH SEATTLE, WASHINGTON		SITE LOCATION MAP		FIGURE: 1
	JOB NUMBER: 01CP.05353.01	DRAWN BY: DJH	CHECKED BY: SM	APPROVED BY: JY	DATE: 11/18/08



LEGEND:

- MW-71 COP GROUNDWATER MONITORING WELL
- SMW-4 CITY INVESTORS' GROUNDWATER MONITORING WELL
- MW-24 ABANDONED OR DAMAGED WELL
- MW-68 SOIL VAPOR EXTRACTION WELL LOCATION
- DAS-4 AIR SPARGING WELL LOCATION
- MW-66 DUAL PHASE EXTRACTION WELL LOCATION
- D-2 TANK PULL SOIL SAMPLES

NOTES:

1). ALL LOCATIONS ARE APPROXIMATE.

Stantec
12034 134th COURT NE, SUITE 102
REDMOND, WASHINGTON
PH (425) 372-1600/FAX (425) 372-1650

FOR: ConocoPhillips
FACILITY NO. 255353
WESTLAKE AND MERCER
SEATTLE, WASHINGTON

SITE MAP WITH UST, DISPENSER, PRODUCT LINE REMOVAL, AND SOIL SAMPLE LOCATIONS

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
01CP.05353.01	MDR	SM	JY	10/13/08

FILEPATH:M:_00 OTHER OFFICES\01-REDMOND\CONOCOPHILLIPS\255353\TANK PULL\TANK PULL- SAMPLE MAP.dwg | Layout Tab: SITE MAP-FIG 1 | Drafter: miramirez | Dec 04, 2008 at 15:52

Appendix A
Waste Disposal Profile

Generator's Nonhazardous Waste Profile Sheet

Requested Disposal Facility Alaska Street Profile Number

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: ConocoPhilips site 255353
2. Site Address: 600 Westlake Ave. N.
3. City/ZIP: Seattle, 98109
4. State: WA
5. County: King
6. Contact Name/Title: Sandra Matthews, Dir. Const. Mgmt.
7. Email Address: sandra.a.matthews@conocophillips.com
8. Phone: 425-401-1051
9. FAX: 918-662-6618
10. NAICS Code: _____
11. Generator USEPA ID #: WAH000015289
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above

P. O. Number: 2081098

1. Customer Name: Saybr Contractors, Inc.
2. Billing Address: 3852 S. 66th Street
3. City, State and ZIP: Tacoma, WA. 98409
4. Contact Name: Michael Muller
5. Contact Email: mmuller@saybr.com
6. Phone: 531-2144 FAX: 253-536-2068
7. Transporter Name: VIA SAYBR
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: Pea Gravel State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

ava a r e e

c. Typical Color(s): Gre a l r

d. Strong Odor? ☐ Yes ☑ No Describe: _____

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☐ Single layer ☐ Multi- layer ☑ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)

i. pH Range: ☐ ≤2 ☐ 2.1-12.4 ☐ ≥12.5 ☑ NA(solid) ☐ Actual: _____

j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual: _____

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents *(Total Composition Must be ≥ 100%)*	Concentration %	Constituents *(Total Composition Must be ≥ 100%)*	Concentration %
1. Pea ravel		4.	
2. l		5.	
3.		6.	

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ Event ☐ Base/Ongoing (Check One)

b. Estimated Annual Quantity: _____ ☐ Tons ☑ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): evel

Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☐ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☑ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: See pages 55-56, 58-59 # Pages: 61
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☑ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: [signature] Title: Dir, Construction Management

Company Name: ConocoPhillips Company Name (Print): Sandra Mathews

Date: 10/16/08

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation ☐ Non-hazardous solidification ☐ Other: _____

Approval Decision: ☐ Approved ☐ Not Approved

Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- ☐ Shall not contain free liquid
- ☐ Shipment must be scheduled into disposal facility
- ☐ Approval Number must accompany each shipment
- ☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ Date: _____

State Authorization (if Required): _____ Date: _____

WASTE MANAGEMENT, INC ....NON HAZARDOUS WASTE DISPOSAL SOLUTIONS FOR THE PACIFIC NORTHWEST

Alaska Street Reload and Recycling

70 South Alaska Street, Seattle Washington 98106

Profile # 101402WA

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *4/03*.

EXPIRES: 10/16/09

GENERATOR: CONOCOPHILIPS SITE 255353

DESCRIPTION: *PCS*	**VOLUME:** *800 tons*
☐ DRUMS ☐ BR ☒ ADC ☐ CLEAN UP	
LOCATION: *SEATTLE, WASHINGTON*	**COUNTY:** * *King*
CONTACT: *MICHAEL MULLER*	**PHONE:** *253-531-2144*
	FAX: *253-536-2068*
Recertification: ☐Yes ☐ No	

BILLING: *SAYBR CONTRACTORS*	**PO#:** *N/A*	**JOB#:** *N/A*

TYPE OF DISPOSAL/SPECIAL HANDLING : *BULK, ADC*

MB *KN* *MH* *MW*

APPROVED: *KRISTIN CASTNER* DATE: *10/16/08 9:13:57 AM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

PROJECTS MUST BE SCHEDULED PRIOR TO SHIPPING CALL : 425-766-3168

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

Appendix B
Waste Disposal Receipts

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 2825

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 20081098

Carrier SELF HAULER *
Vehicle# CT387
Container
Driver JIM DURHAM
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 08:52:27	SCALE 1	lmercer		Gross	96560 lt
Out	10/21/2008 08:52:27		lmercer		Tare	40900 lt
					Net	55660 lt
					Tons	27.83

Comments CITY TRANSFER LM
Profile # 101402WA

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.83	Tons				KING
2	Gondola14.9i-Gondola 14.	100	27.83	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	27.83	Tons				KING
4	PROFILEF75-Profile Fee $	100	1	Each				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2831

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081098

Carrier SELF HAULER *
Vehicle# CT389
Container
Driver ERIC MOLL
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 09:19:23	SCALE 1	lmercer		Gross	100260 lb
Out	10/21/2008 09:19:23		lmercer		Tare	41500 lb
					Net	58760 lb
					Tons	29.38

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.38	Tons				KING
2	Gondola14.91-Gondola 14.	100	29.38	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	29.38	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 2835

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 20081098

Carrier SELF HAULER *
Vehicle# CT388
Container
Driver BOB COLEMAN
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator
In	10/21/2008 09:42:30	SCALE 1	lmercer
Out	10/21/2008 09:42:30		lmercer

Inbound

Gross	95840 lb
Tare	40380 lb
Net	55460 lb
Tons	27.73

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.73	Tons				KING
2	Gondola14.91-Gondola 14.	100	27.73	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	27.73	Tons				KING

Driver's Signature Bob Coleman

Total Tax
Total Ticket

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 2840

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081090

Carrier SELF HAULER *
Vehicle# CT387
Container
Driver JIM DURHAM
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 10:07:34	SCALE 1	lmercer		Gross	98840 lt
Out	10/21/2008 10:07:34		lmercer		Tare	40900 lt
					Net	57940 lt
					Tons	28.97

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.97	Tons				KING
2	Gondola14.91-Gondola 14.	100	28.97	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	28.97	Tons				KING

Driver's Signature

Total Tax
Total Ticket

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 2846

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081098

Carrier SELF HAULER *
Vehicle# CT389
Container
Driver ERIC MOLL
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 10:34:23	SCALE 1	lmercer		Gross	100100 lb
Out	10/21/2008 10:34:23		lmercer		Tare	41500 lb
					Net	58600 lb
					Tons	29.30

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.30	Tons				KING
2	Gondola14.91-Gondola 14.	100	29.30	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	29.30	Tons				KING

Driver's Signature

Total Tax
Total Ticket

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2854

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 20081098

Carrier SELF HAULER *
Vehicle# CT388
Container
Driver BOB COLEMAN
Check#
Billing# 00000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 11:16:24	SCALE 1	lmercer		Gross	102200 lb
Out	10/21/2008 11:16:24		lmercer		Tare	40380 lb
					Net	61820 lb
					Tons	30.91

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pat	100	30.91	Tons				KING
2	Gondola14.91-Gondola 14.	100	30.91	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	30.91	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2059

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081098

Carrier SELF HAULER *
Vehicle# CT387
Container
Driver JIM DURHAM
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 11:36:15	SCALE 1	lmercer		Gross	100240 lb
Out	10/21/2008 11:36:15		lmercer		Tare	40900 lb
					Net	59340 lb
					Tons	29.67

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.67	Tons				KING
2	Gondola14.91-Gondola 14.	100	29.67	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	29.67	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2870

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081098

Carrier SELF HAULER *
Vehicle# CT389
Container
Driver ERIC MOLL
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 12:17:31	SCALE 1	lmercer		Gross	101420 lb
Out	10/21/2008 12:17:31		lmercer		Tare	41500 lb
					Net	59920 lb
					Tons	29.96

Comments CITY TRANSFER LM
PROFILE # 10i402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.96	Tons				KING
2	Bondola14.91-Bondola 14.	100	29.96	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	29.96	Tons				KING

Total Tax
Total Ticket

WM Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2878

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 20081098

Carrier SELF HAULER *
Vehicle# CT388
Container
Driver BOB COLEMAN
Check#
Billing# 00000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/21/2008 12:51:55	SCALE 1	lmercer		Gross	97200 lb
Out	10/21/2008 12:51:55		lmercer		Tare	40380 lb
					Net	56820 lb
					Tons	28.41

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.41	Tons				KING
2	Gondola14.91-Gondola 14.	100	28.41	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	28.41	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 2883

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081098

Carrier SELF HAULER *
Vehicle# CT387
Container
Driver JIM DURHAM
Check#
Billing# 00000035
Grid

Volume

	Time	Scale	Operator
In	10/21/2008 13:29:13	SCALE 1	lmercer
Out	10/21/2008 13:29:13		lmercer

Inbound

Gross	102120 lb
Tare	40900 lb
Net	61220 lb
Tons	30.61

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	30.61	Tons				KING
2	Gondola14.91-Gondola 14.	100	30.61	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	30.61	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2893

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/21/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 20081038

Carrier SELF HAULER *
Vehicle# CT389
Container
Driver ERIC MOLL
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	101220 lb
In	10/21/2008 14:13:55	SCALE 1	lmercer		Tare	41500 lb
Out	10/21/2008 14:13:55		lmercer		Net	59720 lb
					Tons	29.86

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.86	Tons				KING
2	Gondola14.91-Gondola 14.	100	29.86	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	29.86	Tons				KING

Total Tax
Total Ticket

Driver's Signature _____

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2922

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/22/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081098

Carrier SELF HAULER *
Vehicle# CT422
Container
Driver TIM VINYARD
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/22/2008 09:04:25	SCALE 1	lmercer		Gross	103800 lb
Out	10/22/2008 09:04:25		lmercer		Tare	40680 lb
					Net	63120 lb
					Tons	31.56

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	31.56	Tons				KING
2	Gondola14.91-Gondola 14.	100	31.56	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	31.56	Tons				KING

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 2939

Ph: 206 763 5025

Customer Name SAYBR CONTRACTORS Saybr Const
Ticket Date 10/22/2008
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 2081090

Carrier SELF HAULER *
Vehicle# CT422
Container
Driver TIM VINYARD
Check#
Billing# 0000035
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/22/2008 10:34:54	SCALE 1	lmercer		Gross	82120 lb
Out	10/22/2008 10:34:54		lmercer		Tare	40680 lb
					Net	41440 lb
					Tons	20.72

Comments CITY TRANSFER LM
PROFILE# 101402WA

	Product	LDx	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.72	Tons				KING
2	Gondola14.9i-Gondola 14.	100	20.72	Tons				KING
3	EnvFee45.50-Env Fee $1.3	100	20.72	Tons				KING

Total Tax
Total Ticket

Driver's Signature

Appendix C
Washington State Department of Ecology Site Assessor Checklist and Underground Storage Tank 30-Day Notice

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

WASHINGTON STATE DEPARTMENT OF ECOLOGY

FOR OFFICE USE ONLY
Site #:
Facility Site ID #:

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): 8463

Site/Business Name: ConocoPhillips Site 255353

Site Address: 6000 Westlake Ave North (Street) Telephone: (___)

Seattle (City) WA (State) 98109 (Zip Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
2876	10,000-Gallons	Diesel #2
2707	10,000-Gallons	Gasoline
2835	10,000-Gallons	Gasoline
2794	10,000-Gallons	Gasoline

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

___ Investigate suspected release due to on-site environmental contamination.
___ Investigate suspected release due to off-site environmental contamination.
___ Extend temporary closure of UST system for more than 12 months.
___ UST system undergoing change-in-service.
X UST system permanently closed with tank removed.
___ Abandoned tank containing product.
___ Required by Ecology or delegated agency for UST system closed before 12/22/88.
___ Other (describe): ___

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.		YES	NO
1. The location of the UST site is shown on a vicinity map.	SM	X	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	SM	X	
3. A summary of UST system data is provided. (see Section 3.1.)	SM	X	
4. The soils characteristics at the UST site are described. (see Section 5.2)	SM	X	
5. Is there any apparent groundwater in the tank excavation?	SM		X
6. A brief description of the surrounding land use is provided. (see Section 3.1)	SM	X	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	SM	X	
8. A sketch or sketches showing the following items is provided:			
- location and ID number for all field samples collected	SM	X	
- groundwater samples distinguished from soil samples (if applicable)	SM	N/A	
- samples collected from stockpiled excavated soil	SM	X	
- tank and piping locations and limits of excavation pit	SM	X	
- adjacent structures and streets	SM	X	
- approximate locations of any on-site and nearby utilities	SM		X
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	SM	N/A	
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	SM	X	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	SM		
12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.	SM	N/A	

CONFIRMED RELEASE PREVIOUSLY REPORTED AND DOCUMENTED

SITE ASSESSOR INFORMATION

SCOTT MANNING — Person registered with Ecology

STANTEC CONSULTING CORPORATION — Firm Affiliated with

Business Address: 12034 13TH CT NE STE K62 (Street) Telephone: (425) 398-6000

REDMOND (City) WA (State) 98052 (Zip Code)

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

10-08-2008 — Date

Scott W. Manning — Signature of Person Registered with Ecology

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

See back of form for instructions

FOR OFFICE USE ONLY
Site ID #: _____
Facility Site ID #: _____

Please ✓ the appropriate box(es)
☐ Temporary Tank Closure ☐ Change-In-Service ☒ Permanent Tank Closure ☒ Site Check/Site Assessment

Site Information

Site ID Number 8463
(Available from Ecology if the tanks are registered)
Site/Business Name ConocoPhillips site 255353
Site Address 600 Westlake Ave
City/State Seattle, WA
Zip Code 98109 Telephone ( ) N/A

Owner Information

UST Owner/Operator ConocoPhillips Company
Mailing Address 600 N. Dairy Ashford
Street
P.O. Box
City/State Houston, TX
Zip Code 77079 Telephone (281) 293-1000

Owners Signature for ConocoPhillips Company

Tank Closure/Change-In-Service Company

Service Company Saybr Contractors
Certified Supervisor ADAM TOMAN Decommissioning Certification No. 5044195-UZ
Supervisor's Signature _____ Date 10/6/08
Address 3852 S. 66th Street
Street P.O. Box
Tacoma WA 98409 Telephone (253) 531-2144
City State Zip Code

Site Check/Site Assessor

Certified Site Assessor _____
Address _____
Street P.O. Box
_____ Telephone ( ) _____
City State Zip Code

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
2896		Removal	10,000	Diesel #2
2107		Removal	10,000	Gasoline
2835		Removal	10,000	Gasoline
2194		Removal	10,000	Gasoline

Contamination Present at the Time of Closure

☐ Yes ☐ No ☐ Unknown
Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

☐ Yes ☐ No
If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the Toxics Cleanup Program at 360-407-7170 (voice) or 1-800-833-6388 OR 711 (TTY)

Appendix D
Analytical Laboratory Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

October 23, 2008

Scott Manning
Stantec
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
Redmond, WA/USA 98073

RE: ConocoPhillips Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 09/17/08 09:30. The following list is a summary of the Work Orders contained in this report, generated on 10/23/08 12:27.

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

Work Order	Project	ProjectNumber
BRI0262	ConocoPhillips Westlake & M	01CP.05353.01

TestAmerica Seattle

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ESW-10	BRI0262-01	Soil	09/16/08 14:50	09/17/08 09:30
NET-11	BRI0262-02	Soil	09/16/08 14:55	09/17/08 09:30
NWT-11	BRI0262-03	Soil	09/16/08 15:40	09/17/08 09:30
NSW-6	BRI0262-04	Soil	09/16/08 15:45	09/17/08 09:30
SP-1	BRI0262-05	Soil	09/16/08 16:00	09/17/08 09:30
SP-2	BRI0262-06	Soil	09/16/08 16:05	09/17/08 09:30
SP-3	BRI0262-07	Soil	09/16/08 16:10	09/17/08 09:30
SP-4	BRI0262-08	Soil	09/16/08 16:15	09/17/08 09:30
SP-5	BRI0262-09	Soil	09/16/08 16:20	09/17/08 09:30
SET-11	BRI0262-10	Soil	09/16/08 16:30	09/17/08 09:30
SSW-8	BRI0262-11	Soil	09/16/08 16:35	09/17/08 09:30
SWT-11	BRI0262-12	Soil	09/16/08 17:50	09/17/08 09:30
WSW-8	BRI0262-13	Soil	09/16/08 17:55	09/17/08 09:30

TestAmerica Seattle

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Petroleum Products by NWTPH-Gx

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-01 (ESW-10)		Soil			**Sampled: 09/16/08 14:50**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	9.12	mg/kg dry	1x	8I18029	09/18/08 13:33	09/19/08 17:56	
Surrogate(s): 4-BFB (FID)			*118%*		*50 - 150 %*	"			"	
BRI0262-02 (NET-11)		Soil			**Sampled: 09/16/08 14:55**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**1640**	-----	49.0	mg/kg dry	10x	8I18029	09/18/08 13:33	09/19/08 22:05	
Surrogate(s): 4-BFB (FID)			*150%*		*50 - 150 %*	*1x*			"	
BRI0262-03RE1 (NWT-11)		Soil			**Sampled: 09/16/08 15:40**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**18.9**	-----	8.29	mg/kg dry	1x	8I22029	09/22/08 10:18	09/22/08 16:24	
Surrogate(s): 4-BFB (FID)			*105%*		*50 - 150 %*	"			"	
BRI0262-04 (NSW-6)		Soil			**Sampled: 09/16/08 15:45**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	8.87	mg/kg dry	1x	8I18029	09/18/08 13:33	09/19/08 19:55	
Surrogate(s): 4-BFB (FID)			*111%*		*50 - 150 %*	"			"	
BRI0262-05 (SP-1)		Soil			**Sampled: 09/16/08 16:00**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	3.12	mg/kg dry	1x	8I18029	09/18/08 13:33	09/19/08 21:00	
Surrogate(s): 4-BFB (FID)			*102%*		*50 - 150 %*	"			"	
BRI0262-06 (SP-2)		Soil			**Sampled: 09/16/08 16:05**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**4.44**	-----	1.99	mg/kg dry	1x	8I18029	09/18/08 13:33	09/19/08 21:32	
Surrogate(s): 4-BFB (FID)			*109%*		*50 - 150 %*	"			"	
BRI0262-07 (SP-3)		Soil			**Sampled: 09/16/08 16:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	3.31	mg/kg dry	1x	8I18029	09/18/08 13:33	09/20/08 00:14	
Surrogate(s): 4-BFB (FID)			*107%*		*50 - 150 %*	"			"	
BRI0262-08 (SP-4)		Soil			**Sampled: 09/16/08 16:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	2.30	mg/kg dry	1x	8I18029	09/18/08 13:33	09/20/08 00:47	
Surrogate(s): 4-BFB (FID)			*103%*		*50 - 150 %*	"			"	

TestAmerica Seattle

Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Petroleum Products by NWTPH-Gx

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-09 (SP-5)		**Soil**			**Sampled: 09/16/08 16:20**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**10.4**	-----	1.78	mg/kg dry	1x	8I18029	09/18/08 13:33	09/20/08 01:19	
Surrogate(s): 4-BFB (FID)			*117%*		*50 - 150 %*	"			"	
BRI0262-10RE1 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**10600**	-----	1230	mg/kg dry	200x	8I22029	09/22/08 10:18	09/22/08 17:36	
Surrogate(s): 4-BFB (FID)			*118%*		*50 - 150 %*	*1x*			"	
BRI0262-11 (SSW-8)		**Soil**			**Sampled: 09/16/08 16:35**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	6.71	mg/kg dry	1x	8I18029	09/18/08 13:33	09/20/08 01:52	
Surrogate(s): 4-BFB (FID)			*110%*		*50 - 150 %*	"			"	
BRI0262-12 (SWT-11)		**Soil**			**Sampled: 09/16/08 17:50**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**2850**	-----	91.4	mg/kg dry	10x	8I18029	09/18/08 13:33	09/20/08 04:01	
Surrogate(s): 4-BFB (FID)			*124%*		*50 - 150 %*	*1x*			"	
BRI0262-13 (WSW-8)		**Soil**			**Sampled: 09/16/08 17:55**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	7.17	mg/kg dry	1x	8I18029	09/18/08 13:33	09/20/08 02:24	
Surrogate(s): 4-BFB (FID)			*103%*		*50 - 150 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

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

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-01 (ESW-10)		**Soil**			**Sampled: 09/16/08 14:50**					
Lube Oil	NWTPH-Dx	ND	-----	31.3	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 01:41	
Kerosene	"	ND	-----	12.5	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	12.5	"	"	"	"	"	
Surrogate(s): 2-FBP			*68.6%*		*54 - 148 %*	"			"	
Octacosane			*86.6%*		*62 - 142 %*	"			"	
BRI0262-02 (NET-11)		**Soil**			**Sampled: 09/16/08 14:55**					
Lube Oil	NWTPH-Dx	**140**	-----	29.6	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 02:03	Q4
Kerosene	"	**209**	-----	11.8	"	"	"	"	"	
Diesel Range Hydrocarbons	"	**119**	-----	11.8	"	"	"	"	"	Q4
Surrogate(s): 2-FBP			*79.0%*		*54 - 148 %*	"			"	
Octacosane			*89.4%*		*62 - 142 %*	"			"	
BRI0262-03 (NWT-11)		**Soil**			**Sampled: 09/16/08 15:40**					
Lube Oil	NWTPH-Dx	**155**	-----	26.8	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 02:24	
Kerosene	"	ND	-----	10.7	"	"	"	"	"	
Diesel Range Hydrocarbons	"	**13.0**	-----	10.7	"	"	"	"	"	Q6
Surrogate(s): 2-FBP			*71.2%*		*54 - 148 %*	"			"	
Octacosane			*84.6%*		*62 - 142 %*	"			"	
BRI0262-04 (NSW-6)		**Soil**			**Sampled: 09/16/08 15:45**					
Lube Oil	NWTPH-Dx	ND	-----	29.0	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 02:46	
Kerosene	"	ND	-----	11.6	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	11.6	"	"	"	"	"	
Surrogate(s): 2-FBP			*79.3%*		*54 - 148 %*	"			"	
Octacosane			*89.3%*		*62 - 142 %*	"			"	
BRI0262-05 (SP-1)		**Soil**			**Sampled: 09/16/08 16:00**					
Lube Oil	NWTPH-Dx	ND	-----	25.5	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 03:07	
Kerosene	"	ND	-----	10.2	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	10.2	"	"	"	"	"	
Surrogate(s): 2-FBP			*76.8%*		*54 - 148 %*	"			"	
Octacosane			*93.3%*		*62 - 142 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

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

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-06 (SP-2)		**Soil**			**Sampled: 09/16/08 16:05**					
Lube Oil	NWTPH-Dx	ND	-----	24.8	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 04:54	
Kerosene	"	ND	-----	9.92	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	9.92	"	"	"	"	"	
Surrogate(s): 2-FBP			*54.2%*		*54 - 148 %*	"			"	
Octacosane			*78.1%*		*62 - 142 %*	"			"	
BRI0262-07 (SP-3)		**Soil**			**Sampled: 09/16/08 16:10**					
Lube Oil	NWTPH-Dx	ND	-----	25.4	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 05:15	
Kerosene	"	ND	-----	10.2	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	10.2	"	"	"	"	"	
Surrogate(s): 2-FBP			*77.5%*		*54 - 148 %*	"			"	
Octacosane			*92.8%*		*62 - 142 %*	"			"	
BRI0262-08 (SP-4)		**Soil**			**Sampled: 09/16/08 16:15**					
Lube Oil	NWTPH-Dx	**32.0**	-----	24.9	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 05:36	Q1
Kerosene	"	**12.2**	-----	9.97	"	"	"	"	"	Q1
Diesel Range Hydrocarbons	"	**20.7**	-----	9.97	"	"	"	"	"	Q1
Surrogate(s): 2-FBP			*75.1%*		*54 - 148 %*	"			"	
Octacosane			*92.0%*		*62 - 142 %*	"			"	
BRI0262-09 (SP-5)		**Soil**			**Sampled: 09/16/08 16:20**					
Lube Oil	NWTPH-Dx	ND	-----	25.5	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 05:58	
Kerosene	"	ND	-----	10.2	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	10.2	"	"	"	"	"	
Surrogate(s): 2-FBP			*69.6%*		*54 - 148 %*	"			"	
Octacosane			*86.1%*		*62 - 142 %*	"			"	
BRI0262-10 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
Lube Oil	NWTPH-Dx	**82.0**	-----	27.9	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 06:19	
Diesel Range Hydrocarbons	"	**187**	-----	11.2	"	"	"	"	"	Q9
Surrogate(s): 2-FBP			*78.7%*		*54 - 148 %*	"			"	
Octacosane			*91.6%*		*62 - 142 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

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

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-10RE1 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
Kerosene	NWTPH-Dx	**466**	-----	22.3	mg/kg dry	2x	8I18031	09/18/08 13:38	09/19/08 09:31	
Surrogate(s): 2-FBP			*75.6%*		*54 - 148 %*	"			"	
Octacosane			*87.8%*		*62 - 142 %*	"			"	
BRI0262-11 (SSW-8)		**Soil**			**Sampled: 09/16/08 16:35**					
Lube Oil	NWTPH-Dx	**130**	-----	27.7	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 06:41	
Kerosene	"	ND	-----	11.1	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	11.1	"	"	"	"	"	
Surrogate(s): 2-FBP			*72.5%*		*54 - 148 %*	"			"	
Octacosane			*85.4%*		*62 - 142 %*	"			"	
BRI0262-12 (SWT-11)		**Soil**			**Sampled: 09/16/08 17:50**					
Lube Oil	NWTPH-Dx	**131**	-----	30.4	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 07:02	
Kerosene	"	**293**	-----	12.2	"	"	"	"	"	
Diesel Range Hydrocarbons	"	**109**	-----	12.2	"	"	"	"	"	Q9
Surrogate(s): 2-FBP			*91.2%*		*54 - 148 %*	"			"	
Octacosane			*93.8%*		*62 - 142 %*	"			"	
BRI0262-13 (WSW-8)		**Soil**			**Sampled: 09/16/08 17:55**					
Lube Oil	NWTPH-Dx	ND	-----	26.1	mg/kg dry	1x	8I18031	09/18/08 13:38	09/19/08 07:23	
Kerosene	"	ND	-----	10.4	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	10.4	"	"	"	"	"	
Surrogate(s): 2-FBP			*78.8%*		*54 - 148 %*	"			"	
Octacosane			*89.9%*		*62 - 142 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Total Metals by EPA 6000/7000 Series Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-01 (ESW-10)		**Soil**			**Sampled: 09/16/08 14:50**					
Lead	EPA 6020	**8.95**	-----	0.588	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 21:13	
BRI0262-02 (NET-11)		**Soil**			**Sampled: 09/16/08 14:55**					
Lead	EPA 6020	**10.4**	-----	0.503	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 21:19	
BRI0262-03 (NWT-11)		**Soil**			**Sampled: 09/16/08 15:40**					
Lead	EPA 6020	**15.0**	-----	0.467	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 21:43	
BRI0262-04 (NSW-6)		**Soil**			**Sampled: 09/16/08 15:45**					
Lead	EPA 6020	**6.75**	-----	0.588	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 21:49	
BRI0262-05 (SP-1)		**Soil**			**Sampled: 09/16/08 16:00**					
Arsenic	EPA 6020	**3.53**	-----	0.527	mg/kg dry	1x	8I19033	09/19/08 12:09	09/22/08 11:56	
Barium	"	**55.5**	-----	5.27	"	"	"	"	"	
Cadmium	"	ND	-----	0.527	"	"	"	"	"	
Chromium	"	**29.9**	-----	0.527	"	"	"	"	"	
Lead	"	**20.7**	-----	0.527	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	0.0952	"	"	8I18037	09/18/08 13:52	09/18/08 17:01	
Selenium	EPA 6020	ND	-----	1.05	"	"	8I19033	09/19/08 12:09	09/22/08 11:56	
Silver	"	ND	-----	0.527	"	"	"	"	"	
BRI0262-06 (SP-2)		**Soil**			**Sampled: 09/16/08 16:05**					
Arsenic	EPA 6020	**3.18**	-----	0.429	mg/kg dry	1x	8I19033	09/19/08 12:09	09/23/08 14:18	
Barium	"	**13.1**	-----	4.29	"	"	"	"	"	
Cadmium	"	ND	-----	0.429	"	"	"	"	"	
Chromium	"	**4.38**	-----	0.429	"	"	"	"	"	
Lead	"	**1.40**	-----	0.429	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	0.0994	"	"	8I18037	09/18/08 13:52	09/18/08 17:04	
Selenium	EPA 6020	ND	-----	0.859	"	"	8I19033	09/19/08 12:09	09/23/08 14:18	
Silver	"	ND	-----	0.429	"	"	"	"	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Total Metals by EPA 6000/7000 Series Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-07 (SP-3)		**Soil**			**Sampled: 09/16/08 16:10**					
Arsenic	EPA 6020	**1.80**	-----	0.479	mg/kg dry	1x	8I19033	09/19/08 12:09	09/23/08 14:24	
Barium	"	**41.6**	-----	4.79	"	"	"	"	"	
Cadmium	"	ND	-----	0.479	"	"	"	"	"	
Chromium	"	**17.6**	-----	0.479	"	"	"	"	"	
Lead	"	**7.14**	-----	0.479	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	0.100	"	"	8I18037	09/18/08 13:52	09/18/08 17:06	
Selenium	EPA 6020	ND	-----	0.958	"	"	8I19033	09/19/08 12:09	09/23/08 14:24	
Silver	"	ND	-----	0.479	"	"	"	"	"	
BRI0262-08 (SP-4)		**Soil**			**Sampled: 09/16/08 16:15**					
Arsenic	EPA 6020	**2.10**	-----	0.539	mg/kg dry	1x	8I19033	09/19/08 12:09	09/23/08 14:30	
Barium	"	**28.5**	-----	5.39	"	"	"	"	"	
Cadmium	"	ND	-----	0.539	"	"	"	"	"	
Chromium	"	**15.7**	-----	0.539	"	"	"	"	"	
Lead	"	**10.2**	-----	0.539	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	0.100	"	"	8I18037	09/18/08 13:52	09/18/08 17:09	
Selenium	EPA 6020	ND	-----	1.08	"	"	8I19033	09/19/08 12:09	09/23/08 14:30	
Silver	"	ND	-----	0.539	"	"	"	"	"	
BRI0262-09 (SP-5)		**Soil**			**Sampled: 09/16/08 16:20**					
Arsenic	EPA 6020	**2.31**	-----	0.494	mg/kg dry	1x	8I19033	09/19/08 12:09	09/23/08 14:36	
Barium	"	**18.4**	-----	4.94	"	"	"	"	"	
Cadmium	"	ND	-----	0.494	"	"	"	"	"	
Chromium	"	**16.9**	-----	0.494	"	"	"	"	"	
Lead	"	**3.56**	-----	0.494	"	"	"	"	"	
Mercury	EPA 7471A	ND	-----	0.102	"	"	8I18037	09/18/08 13:52	09/18/08 17:16	
Selenium	EPA 6020	ND	-----	0.987	"	"	8I19033	09/19/08 12:09	09/23/08 14:36	
Silver	"	ND	-----	0.494	"	"	"	"	"	
BRI0262-10 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
Lead	EPA 6020	**5.30**	-----	0.538	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 21:55	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Total Metals by EPA 6000/7000 Series Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-11 (SSW-8)		**Soil**				**Sampled: 09/16/08 16:35**				
Lead	EPA 6020	**91.6**	-----	0.440	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 22:01	
BRI0262-12 (SWT-11)		**Soil**				**Sampled: 09/16/08 17:50**				
Lead	EPA 6020	**26.4**	-----	0.211	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 22:07	
BRI0262-13 (WSW-8)		**Soil**				**Sampled: 09/16/08 17:55**				
Lead	EPA 6020	**7.57**	-----	0.373	mg/kg dry	1x	8I23005	09/23/08 05:53	09/23/08 22:13	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01
Redmond, WA/USA 98073	Project Manager:	Scott Manning
		Report Created: 10/23/08 12:27

TCLP Metals by EPA 1311/6000/7000 Series Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-05 (SP-1)		**Soil**				**Sampled: 09/16/08 16:00**				
Lead	EPA 6010B	ND	-----	1.00	mg/l	1x	8I19002	09/19/08 06:03	09/19/08 11:14	
BRI0262-06 (SP-2)		**Soil**				**Sampled: 09/16/08 16:05**				
Lead	EPA 6010B	ND	-----	1.00	mg/l	1x	8I19002	09/19/08 06:03	09/19/08 11:29	
BRI0262-07 (SP-3)		**Soil**				**Sampled: 09/16/08 16:10**				
Lead	EPA 6010B	ND	-----	1.00	mg/l	1x	8I19002	09/19/08 06:03	09/19/08 11:33	
BRI0262-08 (SP-4)		**Soil**				**Sampled: 09/16/08 16:15**				
Lead	EPA 6010B	ND	-----	1.00	mg/l	1x	8I19002	09/19/08 06:03	09/19/08 11:37	
BRI0262-09 (SP-5)		**Soil**				**Sampled: 09/16/08 16:20**				
Lead	EPA 6010B	ND	-----	1.00	mg/l	1x	8I19002	09/19/08 06:03	09/19/08 11:41	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-01 (ESW-10)		Soil			Sampled: 09/16/08 14:50					
Benzene	EPA 8260B	**0.000805**	*0.000115*	0.00108	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 12:57	J
1,2-Dibromoethane (EDB)	"	ND	*0.000280*	0.00359	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000216*	0.000898	"	"	"	"	"	
Ethylbenzene	"	**0.000381**	*0.000115*	0.00287	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.000230*	0.000718	"	"	"	"	"	
Toluene	"	**0.000596**	*0.0000862*	0.00108	"	"	"	"	"	J
Total Xylenes	"	**0.00234**	*0.000251*	0.00718	"	"	"	"	"	J
Surrogate(s): 1,2-DCA-d4			*122%*		*60 - 140 %*	"			"	
Toluene-d8			*97.7%*		*60 - 140 %*	"			"	
4-BFB			*99.9%*		*60 - 140 %*	"			"	
BRI0262-04 (NSW-6)		Soil			Sampled: 09/16/08 15:45					
Benzene	EPA 8260B	**0.000289**	*0.0000890*	0.000834	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 13:51	J
1,2-Dibromoethane (EDB)	"	ND	*0.000217*	0.00278	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000167*	0.000695	"	"	"	"	"	
Ethylbenzene	"	ND	*0.0000890*	0.00222	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000178*	0.000556	"	"	"	"	"	
Toluene	"	**0.000311**	*0.0000667*	0.000834	"	"	"	"	"	J
Total Xylenes	"	**0.00152**	*0.000195*	0.00556	"	"	"	"	"	J
Surrogate(s): 1,2-DCA-d4			*122%*		*60 - 140 %*	"			"	
Toluene-d8			*96.4%*		*60 - 140 %*	"			"	
4-BFB			*101%*		*60 - 140 %*	"			"	
BRI0262-05 (SP-I)		Soil			Sampled: 09/16/08 16:00					
Benzene	EPA 8260B	**0.000252**	*0.0000463*	0.000434	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 14:18	J
1,2-Dibromoethane (EDB)	"	ND	*0.000113*	0.00145	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.0000868*	0.000362	"	"	"	"	"	
Ethylbenzene	"	ND	*0.0000463*	0.00116	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.0000926*	0.000289	"	"	"	"	"	
Toluene	"	**0.000307**	*0.0000347*	0.000434	"	"	"	"	"	J
Total Xylenes	"	**0.000585**	*0.000101*	0.00289	"	"	"	"	"	J
Surrogate(s): 1,2-DCA-d4			*124%*		*60 - 140 %*	"			"	
Toluene-d8			*97.3%*		*60 - 140 %*	"			"	
4-BFB			*103%*		*60 - 140 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-07 (SP-3)		**Soil**			**Sampled: 09/16/08 16:10**					
Benzene	EPA 8260B	ND	*0.0000502*	0.000471	mg/kg dry	1x	8I19010	09/19/08 09:34	09/19/08 14:13	
1,2-Dibromoethane (EDB)	"	ND	*0.000122*	0.00157	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.0000942*	0.000392	"	"	"	"	"	
Ethylbenzene	"	ND	*0.0000502*	0.00126	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000100*	0.000314	"	"	"	"	"	
Toluene	"	ND	*0.0000377*	0.000471	"	"	"	"	"	
Total Xylenes	"	**0.000361**	*0.000110*	0.00314	"	"	"	"	"	J
Surrogate(s): Toluene-d8			*91.5%*		*60 - 140 %*	"			"	
4-BFB			*118%*		*60 - 140 %*	"			"	
BRI0262-09 (SP-5)		**Soil**			**Sampled: 09/16/08 16:20**					
Benzene	EPA 8260B	**0.0000839**	*0.0000263*	0.000247	mg/kg dry	1x	8I19010	09/19/08 09:34	09/19/08 15:03	J
1,2-Dibromoethane (EDB)	"	ND	*0.0000642*	0.000823	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.0000494*	0.000206	"	"	"	"	"	
Ethylbenzene	"	**0.000156**	*0.0000263*	0.000658	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.0000526*	0.000165	"	"	"	"	"	
Toluene	"	**0.000244**	*0.0000197*	0.000247	"	"	"	"	"	J
Total Xylenes	"	**0.000834**	*0.0000576*	0.00165	"	"	"	"	"	J
Surrogate(s): Toluene-d8			*103%*		*60 - 140 %*	"			"	
4-BFB			*119%*		*60 - 140 %*	"			"	
BRI0262-11 (SSW-8)		**Soil**			**Sampled: 09/16/08 16:35**					
Benzene	EPA 8260B	ND	*0.0000981*	0.000920	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 05:04	
1,2-Dibromoethane (EDB)	"	ND	*0.000239*	0.00307	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000184*	0.000767	"	"	"	"	"	
Ethylbenzene	"	ND	*0.0000981*	0.00245	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000196*	0.000613	"	"	"	"	"	
Toluene	"	ND	*0.0000736*	0.000920	"	"	"	"	"	
Total Xylenes	"	**0.00159**	*0.000215*	0.00613	"	"	"	"	"	J
Surrogate(s): 1,2-DCA-d4			*127%*		*60 - 140 %*	"			"	
Toluene-d8			*99.8%*		*60 - 140 %*	"			"	
4-BFB			*119%*		*60 - 140 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-13 (WSW-8)		**Soil**			**Sampled: 09/16/08 17:55**					
Benzene	EPA 8260B	ND	*0.000111*	0.00104	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 05:31	
1,2-Dibromoethane (EDB)	"	ND	*0.000271*	0.00347	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000208*	0.000869	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000111*	0.00278	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000222*	0.000695	"	"	"	"	"	
Toluene	"	ND	*0.0000834*	0.00104	"	"	"	"	"	
Total Xylenes	"	**0.000750**	*0.000243*	0.00695	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*126%*		*60 - 140 %*	"			"	
Toluene-d8			*97.9%*		*60 - 140 %*	"			"	
4-BFB			*103%*		*60 - 140 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-02 (NET-11)		**Soil**			**Sampled: 09/16/08 14:55**					
Benzene	EPA 8260B	**0.40**	*0.01*	0.02	mg/kg dry	1x	8I22006	09/22/08 12:49	09/22/08 16:26	
1,2-Dibromoethane (EDB)	"	ND	*0.009*	0.05	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	*0.01*	0.05	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.01*	0.52	"	"	"	"	"	
Toluene	"	**5.0**	*0.01*	0.10	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*112%*		*75 - 125 %*	"			"	
Toluene-d8			*101%*		*75 - 125 %*	"			"	
4-BFB			*99.6%*		*75 - 125 %*	"			"	
BRI0262-02RE1 (NET-11)		**Soil**			**Sampled: 09/16/08 14:55**					
Ethylbenzene	EPA 8260B	**16**	*0.12*	1.0	mg/kg dry	10x	8I23008	09/23/08 17:23	09/23/08 23:45	
Xylenes (total)	"	**95**	*0.32*	3.1	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*103%*		*75 - 125 %*	1x			"	
Toluene-d8			*105%*		*75 - 125 %*	"			"	
4-BFB			*100%*		*75 - 125 %*	"			"	
BRI0262-03 (NWT-11)		**Soil**			**Sampled: 09/16/08 15:40**					
Benzene	EPA 8260B	ND	*0.0118*	0.0236	mg/kg dry	1x	8I22063	09/23/08 00:00	09/23/08 00:29	
1,2-Dibromoethane	"	ND	*0.0106*	0.118	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.0118*	0.118	"	"	"	"	"	
Ethylbenzene	"	ND	*0.0142*	0.118	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.0118*	0.591	"	"	"	"	"	
Toluene	"	**0.0236**	*0.0118*	0.118	"	"	"	"	"	J
Total Xylenes	"	ND	*0.0366*	0.355	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*106%*		*75 - 125 %*	"			"	
Toluene-d8			*100%*		*75 - 125 %*	"			"	
4-BFB			*102%*		*75 - 125 %*	"			"	
BRI0262-06 (SP-2)		**Soil**			**Sampled: 09/16/08 16:05**					
Benzene	EPA 8260B	ND	*0.00459*	0.00919	mg/kg dry	1x	8I22063	09/23/08 00:00	09/23/08 01:49	
1,2-Dibromoethane	"	ND	*0.00413*	0.0459	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.00459*	0.0459	"	"	"	"	"	
Ethylbenzene	"	**0.0216**	*0.00551*	0.0459	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.00459*	0.230	"	"	"	"	"	
Toluene	"	**0.0119**	*0.00459*	0.0459	"	"	"	"	"	J
Total Xylenes	"	ND	*0.0142*	0.138	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*99.6%*		*75 - 125 %*	"			"	
4-BFB			*99.4%*		*75 - 125 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-08 (SP-4)		Soil			Sampled: 09/16/08 16:15					
Benzene	EPA 8260B	ND	*0.00713*	0.0143	mg/kg dry	1x	8I22063	09/23/08 00:00	09/23/08 02:16	
1,2-Dibromoethane	"	ND	*0.00642*	0.0713	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.00713*	0.0713	"	"	"	"	"	
Ethylbenzene	"	ND	*0.00856*	0.0713	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.00713*	0.357	"	"	"	"	"	
Toluene	"	ND	*0.00713*	0.0713	"	"	"	"	"	
Total Xylenes	"	ND	*0.0221*	0.214	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*96.9%*		*75 - 125 %*	"			"	
4-BFB			*101%*		*75 - 125 %*	"			"	
BRI0262-10 (SET-11)		Soil			Sampled: 09/16/08 16:30					
Benzene	EPA 8260B	**4.4**	*0.01*	0.02	mg/kg dry	1x	8I23008	09/23/08 17:23	09/24/08 01:05	
1,2-Dibromoethane (EDB)	"	ND	*0.01*	0.06	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	*0.01*	0.06	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.01*	0.58	"	"	"	"	"	
Toluene	"	**9.0**	*0.01*	0.12	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*184%*		*75 - 125 %*	"			"	*ZX*
Toluene-d8			*120%*		*75 - 125 %*	"			"	
4-BFB			*117%*		*75 - 125 %*	"			"	
BRI0262-10RE1 (SET-11)		Soil			Sampled: 09/16/08 16:30					
Ethylbenzene	EPA 8260B	**190**	*0.56*	4.6	mg/kg dry	40x	8I23008	09/23/08 17:23	09/23/08 22:51	
Xylenes (total)	"	**990**	*1.4*	14	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*105%*		*75 - 125 %*	*1x*			"	
Toluene-d8			*104%*		*75 - 125 %*	"			"	
4-BFB			*99.0%*		*75 - 125 %*	"			"	
BRI0262-12 (SWT-11)		Soil			Sampled: 09/16/08 17:50					
Benzene	EPA 8260B	**0.89**	*0.01*	0.02	mg/kg dry	1x	8I23008	09/23/08 17:23	09/24/08 01:32	
1,2-Dibromoethane (EDB)	"	ND	*0.01*	0.06	"	"	"	"	"	
1,2-Dichloroethane (EDC)	"	ND	*0.01*	0.06	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.01*	0.60	"	"	"	"	"	
Toluene	"	**1.8**	*0.01*	0.12	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*110%*		*75 - 125 %*	"			"	
Toluene-d8			*110%*		*75 - 125 %*	"			"	
4-BFB			*103%*		*75 - 125 %*	"			"	

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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica Seattle

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-12RE1 (SWT-11)			Soil				Sampled: 09/16/08 17:50				
Ethylbenzene		EPA 8260B	**25**	*0.29*	2.4	mg/kg dry	20x	8I23008	09/23/08 17:23	09/23/08 23:18	
Xylenes (total)		"	**160**	*0.75*	7.2	"	"	"	"	"	
Surrogate(s):	*1,2-DCA-d4*			*101%*		*75 - 125 %*	*1x*			"	
	Toluene-d8			*105%*		*75 - 125 %*	"			"	
	4-BFB			*101%*		*75 - 125 %*	"			"	

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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-01 (ESW-10)		**Soil**			**Sampled: 09/16/08 14:50**					
Acenaphthene	EPA 8270C-SIM	ND	-----	0.0125	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 10:19	
Acenaphthylene	"	ND	-----	0.0125	"	"	"	"	"	
Anthracene	"	ND	-----	0.0125	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0125	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0125	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0125	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0125	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0125	"	"	"	"	"	
Chrysene	"	**0.0135**	-----	0.0125	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0125	"	"	"	"	"	
Fluoranthene	"	**0.0133**	-----	0.0125	"	"	"	"	"	
Fluorene	"	ND	-----	0.0125	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0125	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0125	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0125	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0125	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0125	"	"	"	"	"	
Pyrene	"	**0.0165**	-----	0.0125	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*93.7%*		*50 - 147 %*	"				"	
BRI0262-02 (NET-11)		**Soil**			**Sampled: 09/16/08 14:55**					
Acenaphthene	EPA 8270C-SIM	**0.314**	-----	0.0589	mg/kg dry	5x	8I18030	09/18/08 13:35	09/22/08 14:48	
Acenaphthylene	"	**0.141**	-----	0.0589	"	"	"	"	"	
Anthracene	"	**1.54**	-----	0.0589	"	"	"	"	"	
Benzo (a) anthracene	"	**1.42**	-----	0.0589	"	"	"	"	"	
Benzo (a) pyrene	"	**1.53**	-----	0.0589	"	"	"	"	"	
Benzo (b) fluoranthene	"	**0.877**	-----	0.0589	"	"	"	"	"	
Benzo (k) fluoranthene	"	**0.967**	-----	0.0589	"	"	"	"	"	
Benzo (ghi) perylene	"	**0.691**	-----	0.0589	"	"	"	"	"	
Chrysene	"	**1.58**	-----	0.0589	"	"	"	"	"	
Dibenz (a,h) anthracene	"	**0.253**	-----	0.0589	"	"	"	"	"	
Fluoranthene	"	**3.84**	-----	0.0589	"	"	"	"	"	
Fluorene	"	**0.409**	-----	0.0589	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**0.600**	-----	0.0589	"	"	"	"	"	
1-Methylnaphthalene	"	**2.30**	-----	0.0589	"	"	"	"	"	
2-Methylnaphthalene	"	**3.85**	-----	0.0589	"	"	"	"	"	
Naphthalene	"	**2.24**	-----	0.0589	"	"	"	"	"	
Phenanthrene	"	**4.39**	-----	0.0589	"	"	"	"	"	
Pyrene	"	**4.29**	-----	0.0589	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*80.7%*		*50 - 147 %*	"				"	

TestAmerica Seattle

Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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

Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-03 (NWT-11)		**Soil**			**Sampled: 09/16/08 15:40**					**RL1**
Acenaphthene	EPA 8270C-SIM	ND	-----	0.106	mg/kg dry	10x	8I18030	09/18/08 13:35	09/24/08 10:55	
Acenaphthylene	"	ND	-----	0.106	"	"	"	"	"	
Anthracene	"	ND	-----	0.106	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.106	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.106	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.106	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.106	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.106	"	"	"	"	"	
Chrysene	"	ND	-----	0.106	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.106	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.106	"	"	"	"	"	
Fluorene	"	ND	-----	0.106	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.106	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.106	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.106	"	"	"	"	"	
Naphthalene	"	ND	-----	0.106	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.106	"	"	"	"	"	
Pyrene	"	ND	-----	0.106	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*77.6%*		*50 - 147 %*	"			"	
BRI0262-04 (NSW-6)		**Soil**			**Sampled: 09/16/08 15:45**					
Acenaphthene	EPA 8270C-SIM	ND	-----	0.0116	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 10:52	
Acenaphthylene	"	ND	-----	0.0116	"	"	"	"	"	
Anthracene	"	ND	-----	0.0116	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0116	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0116	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0116	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0116	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0116	"	"	"	"	"	
Chrysene	"	ND	-----	0.0116	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0116	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0116	"	"	"	"	"	
Fluorene	"	ND	-----	0.0116	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0116	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0116	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0116	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0116	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0116	"	"	"	"	"	
Pyrene	"	ND	-----	0.0116	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*105%*		*50 - 147 %*	"			"	

TestAmerica Seattle

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-05 (SP-1)		**Soil**			**Sampled: 09/16/08 16:00**					
Acenaphthene	EPA 8270C-SIM	ND	------	0.0101	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 12:37	
Acenaphthylene	"	ND	------	0.0101	"	"	"	"	"	
Anthracene	"	ND	------	0.0101	"	"	"	"	"	
Benzo (a) anthracene	"	ND	------	0.0101	"	"	"	"	"	
Benzo (a) pyrene	"	ND	------	0.0101	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	------	0.0101	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	------	0.0101	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	------	0.0101	"	"	"	"	"	
Chrysene	"	ND	------	0.0101	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0101	"	"	"	"	"	
Fluoranthene	"	ND	------	0.0101	"	"	"	"	"	
Fluorene	"	ND	------	0.0101	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	------	0.0101	"	"	"	"	"	
1-Methylnaphthalene	"	ND	------	0.0101	"	"	"	"	"	
2-Methylnaphthalene	"	ND	------	0.0101	"	"	"	"	"	
Naphthalene	"	ND	------	0.0101	"	"	"	"	"	
Phenanthrene	"	ND	------	0.0101	"	"	"	"	"	
Pyrene	"	ND	------	0.0101	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*94.7%*		*50 - 147 %*	"			"	
BRI0262-06 (SP-2)		**Soil**			**Sampled: 09/16/08 16:05**					
Acenaphthene	EPA 8270C-SIM	ND	------	0.0100	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 13:10	
Acenaphthylene	"	ND	------	0.0100	"	"	"	"	"	
Anthracene	"	ND	------	0.0100	"	"	"	"	"	
Benzo (a) anthracene	"	ND	------	0.0100	"	"	"	"	"	
Benzo (a) pyrene	"	ND	------	0.0100	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	------	0.0100	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	------	0.0100	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	------	0.0100	"	"	"	"	"	
Chrysene	"	ND	------	0.0100	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0100	"	"	"	"	"	
Fluoranthene	"	ND	------	0.0100	"	"	"	"	"	
Fluorene	"	ND	------	0.0100	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	------	0.0100	"	"	"	"	"	
1-Methylnaphthalene	"	ND	------	0.0100	"	"	"	"	"	
2-Methylnaphthalene	"	ND	------	0.0100	"	"	"	"	"	
Naphthalene	"	ND	------	0.0100	"	"	"	"	"	
Phenanthrene	"	ND	------	0.0100	"	"	"	"	"	
Pyrene	"	ND	------	0.0100	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*93.2%*		*50 - 147 %*	"			"	

TestAmerica Seattle

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-07 (SP-3)		**Soil**			**Sampled: 09/16/08 16:10**					
Acenaphthene	EPA 8270C-SIM	**0.0161**	------	0.0102	mg/kg dry	1x	8I18030	09/18/08 13:35	09/24/08 11:28	
Acenaphthylene	"	**0.0273**	------	0.0102	"	"	"	"	"	
Anthracene	"	**0.0112**	------	0.0102	"	"	"	"	"	
Benzo (a) anthracene	"	**0.0211**	------	0.0102	"	"	"	"	"	
Benzo (a) pyrene	"	**0.0393**	------	0.0102	"	"	"	"	"	
Benzo (b) fluoranthene	"	**0.0295**	------	0.0102	"	"	"	"	"	
Benzo (k) fluoranthene	"	**0.0227**	------	0.0102	"	"	"	"	"	
Benzo (ghi) perylene	"	**0.0584**	------	0.0102	"	"	"	"	"	
Chrysene	"	**0.0313**	------	0.0102	"	"	"	"	"	
Dibenz (a,h) anthracene	"	**0.0113**	------	0.0102	"	"	"	"	"	
Fluoranthene	"	**0.0453**	------	0.0102	"	"	"	"	"	
Fluorene	"	ND	------	0.0102	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**0.0369**	------	0.0102	"	"	"	"	"	
1-Methylnaphthalene	"	**0.0279**	------	0.0102	"	"	"	"	"	
2-Methylnaphthalene	"	**0.0443**	------	0.0102	"	"	"	"	"	
Naphthalene	"	ND	------	0.0102	"	"	"	"	"	
Phenanthrene	"	**0.0337**	------	0.0102	"	"	"	"	"	
Pyrene	"	**0.0622**	------	0.0102	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*91.4%*		*50 - 147 %*		"			"	
BRI0262-08 (SP-4)		**Soil**			**Sampled: 09/16/08 16:15**					
Acenaphthene	EPA 8270C-SIM	**0.782**	------	0.0203	mg/kg dry	2x	8I18030	09/18/08 13:35	09/24/08 12:00	
Acenaphthylene	"	**0.0708**	------	0.0203	"	"	"	"	"	
Anthracene	"	**1.28**	------	0.0203	"	"	"	"	"	
Benzo (a) anthracene	"	**1.85**	------	0.0203	"	"	"	"	"	
Benzo (a) pyrene	"	**2.18**	------	0.0203	"	"	"	"	"	
Benzo (b) fluoranthene	"	**1.44**	------	0.0203	"	"	"	"	"	
Benzo (k) fluoranthene	"	**1.38**	------	0.0203	"	"	"	"	"	
Benzo (ghi) perylene	"	**1.05**	------	0.0203	"	"	"	"	"	
Chrysene	"	**2.36**	------	0.0203	"	"	"	"	"	
Dibenz (a,h) anthracene	"	**0.352**	------	0.0203	"	"	"	"	"	
Fluorene	"	**0.655**	------	0.0203	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**0.875**	------	0.0203	"	"	"	"	"	
1-Methylnaphthalene	"	**0.329**	------	0.0203	"	"	"	"	"	
2-Methylnaphthalene	"	**0.361**	------	0.0203	"	"	"	"	"	
Naphthalene	"	**0.882**	------	0.0203	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*83.4%*		*50 - 147 %*		"			"	

TestAmerica Seattle

Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-08RE1 (SP-4)		**Soil**			**Sampled: 09/16/08 16:15**					
Fluoranthene	EPA 8270C-SIM	**4.90**	------	0.203	mg/kg dry	20x	8I18030	09/18/08 13:35	09/24/08 17:02	
Phenanthrene	"	**6.07**	------	0.203	"	"	"	"	"	
Pyrene	"	**5.42**	------	0.203	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*78.0%*		*50 - 147 %*	"			"	
BRI0262-09 (SP-5)		**Soil**			**Sampled: 09/16/08 16:20**					
Acenaphthene	EPA 8270C-SIM	ND	------	0.0102	mg/kg dry	1x	8I18030	09/18/08 13:35	09/24/08 12:33	
Acenaphthylene	"	ND	------	0.0102	"	"	"	"	"	
Anthracene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (a) anthracene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (a) pyrene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	------	0.0102	"	"	"	"	"	
Chrysene	"	ND	------	0.0102	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0102	"	"	"	"	"	
Fluoranthene	"	**0.0105**	------	0.0102	"	"	"	"	"	
Fluorene	"	ND	------	0.0102	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	------	0.0102	"	"	"	"	"	
1-Methylnaphthalene	"	ND	------	0.0102	"	"	"	"	"	
2-Methylnaphthalene	"	ND	------	0.0102	"	"	"	"	"	
Naphthalene	"	ND	------	0.0102	"	"	"	"	"	
Phenanthrene	"	ND	------	0.0102	"	"	"	"	"	
Pyrene	"	**0.0143**	------	0.0102	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*93.7%*		*50 - 147 %*	"			"	
BRI0262-10 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
Acenaphthene	EPA 8270C-SIM	**0.131**	------	0.0111	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 13:42	
Acenaphthylene	"	ND	------	0.0111	"	"	"	"	"	
Anthracene	"	**0.120**	------	0.0111	"	"	"	"	"	
Benzo (a) anthracene	"	**0.0795**	------	0.0111	"	"	"	"	"	
Benzo (a) pyrene	"	**0.0742**	------	0.0111	"	"	"	"	"	
Benzo (b) fluoranthene	"	**0.0440**	------	0.0111	"	"	"	"	"	
Benzo (k) fluoranthene	"	**0.0540**	------	0.0111	"	"	"	"	"	
Benzo (ghi) perylene	"	**0.0329**	------	0.0111	"	"	"	"	"	
Chrysene	"	**0.0953**	------	0.0111	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0111	"	"	"	"	"	
Fluoranthene	"	**0.235**	------	0.0111	"	"	"	"	"	
Fluorene	"	**0.126**	------	0.0111	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**0.0263**	------	0.0111	"	"	"	"	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-10 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
Phenanthrene	EPA 8270C-SIM	**0.426**	------	0.0111	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 13:42	
Pyrene	"	**0.273**	------	0.0111	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*88.4%*		*50 - 147 %*	"			"	
BRI0262-10RE1 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
1-Methylnaphthalene	EPA 8270C-SIM	**4.36**	------	0.222	mg/kg dry	20x	8I18030	09/18/08 13:35	09/24/08 15:56	
2-Methylnaphthalene	"	**7.21**	------	0.222	"	"	"	"	"	
Naphthalene	"	**8.05**	------	0.222	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*80.8%*		*50 - 147 %*	"			"	
BRI0262-11 (SSW-8)		**Soil**			**Sampled: 09/16/08 16:35**					
Acenaphthene	EPA 8270C-SIM	ND	------	0.0548	mg/kg dry	5x	8I18030	09/18/08 13:35	09/24/08 14:33	
Acenaphthylene	"	**0.115**	------	0.0548	"	"	"	"	"	
Anthracene	"	ND	------	0.0548	"	"	"	"	"	
Benzo (a) anthracene	"	**0.0643**	------	0.0548	"	"	"	"	"	
Benzo (a) pyrene	"	**0.171**	------	0.0548	"	"	"	"	"	
Benzo (b) fluoranthene	"	**0.0983**	------	0.0548	"	"	"	"	"	
Benzo (k) fluoranthene	"	**0.0793**	------	0.0548	"	"	"	"	"	
Benzo (ghi) perylene	"	**0.227**	------	0.0548	"	"	"	"	"	
Chrysene	"	**0.107**	------	0.0548	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0548	"	"	"	"	"	
Fluoranthene	"	**0.113**	------	0.0548	"	"	"	"	"	
Fluorene	"	ND	------	0.0548	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**0.165**	------	0.0548	"	"	"	"	"	
1-Methylnaphthalene	"	ND	------	0.0548	"	"	"	"	"	
2-Methylnaphthalene	"	**0.0548**	------	0.0548	"	"	"	"	"	
Naphthalene	"	ND	------	0.0548	"	"	"	"	"	
Phenanthrene	"	**0.0950**	------	0.0548	"	"	"	"	"	
Pyrene	"	**0.161**	------	0.0548	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*77.6%*		*50 - 147 %*	"			"	

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Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-12 (SWT-11)		**Soil**			**Sampled: 09/16/08 17:50**					
Acenaphthene	EPA 8270C-SIM	**0.705**	-----	0.0612	mg/kg dry	5x	8I18030	09/18/08 13:35	09/24/08 15:09	
Acenaphthylene	"	**0.160**	-----	0.0612	"	"	"	"	"	
Anthracene	"	**0.777**	-----	0.0612	"	"	"	"	"	
Benzo (a) anthracene	"	**0.576**	-----	0.0612	"	"	"	"	"	
Benzo (a) pyrene	"	**0.620**	-----	0.0612	"	"	"	"	"	
Benzo (b) fluoranthene	"	**0.432**	-----	0.0612	"	"	"	"	"	
Benzo (k) fluoranthene	"	**0.410**	-----	0.0612	"	"	"	"	"	
Benzo (ghi) perylene	"	**0.242**	-----	0.0612	"	"	"	"	"	
Chrysene	"	**0.681**	-----	0.0612	"	"	"	"	"	
Dibenz (a,h) anthracene	"	**0.0678**	-----	0.0612	"	"	"	"	"	
Fluoranthene	"	**1.78**	-----	0.0612	"	"	"	"	"	
Fluorene	"	**0.525**	-----	0.0612	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	**0.217**	-----	0.0612	"	"	"	"	"	
1-Methylnaphthalene	"	**6.03**	-----	0.0612	"	"	"	"	"	
Naphthalene	"	**7.48**	-----	0.0612	"	"	"	"	"	
Phenanthrene	"	**2.65**	-----	0.0612	"	"	"	"	"	
Pyrene	"	**2.08**	-----	0.0612	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*78.2%*		*50 - 147 %*	"			"	
BRI0262-12RE1 (SWT-11)		**Soil**			**Sampled: 09/16/08 17:50**					
2-Methylnaphthalene	EPA 8270C-SIM	**9.35**	-----	0.245	mg/kg dry	20x	8I18030	09/18/08 13:35	09/24/08 16:29	
Surrogate(s): p-Terphenyl-d14			*73.7%*		*50 - 147 %*	"			"	
BRI0262-13 (WSW-8)		**Soil**			**Sampled: 09/16/08 17:55**					
Acenaphthene	EPA 8270C-SIM	ND	-----	0.0103	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 14:15	
Acenaphthylene	"	ND	-----	0.0103	"	"	"	"	"	
Anthracene	"	ND	-----	0.0103	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0103	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0103	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0103	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0103	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0103	"	"	"	"	"	
Chrysene	"	ND	-----	0.0103	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0103	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0103	"	"	"	"	"	
Fluorene	"	ND	-----	0.0103	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0103	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0103	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0103	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0103	"	"	"	"	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-13 (WSW-8)		**Soil**			**Sampled: 09/16/08 17:55**					
Phenanthrene	EPA 8270C-SIM	ND	------	0.0103	mg/kg dry	1x	8I18030	09/18/08 13:35	09/22/08 14:15	
Pyrene	"	**0.0123**	------	0.0103	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*99.5%*		*50 - 147 %*	"			"	

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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-01 (ESW-10)		**Soil**			**Sampled: 09/16/08 14:50**					
Dry Weight	BSOPSPL003R0 8	78.7	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-02 (NET-11)		**Soil**			**Sampled: 09/16/08 14:55**					
Dry Weight	BSOPSPL003R0 8	84.3	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-03 (NWT-11)		**Soil**			**Sampled: 09/16/08 15:40**					
Dry Weight	BSOPSPL003R0 8	93.2	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-04 (NSW-6)		**Soil**			**Sampled: 09/16/08 15:45**					
Dry Weight	BSOPSPL003R0 8	85.9	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-05 (SP-1)		**Soil**			**Sampled: 09/16/08 16:00**					
Dry Weight	BSOPSPL003R0 8	97.9	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-06 (SP-2)		**Soil**			**Sampled: 09/16/08 16:05**					
Dry Weight	BSOPSPL003R0 8	99.5	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-07 (SP-3)		**Soil**			**Sampled: 09/16/08 16:10**					
Dry Weight	BSOPSPL003R0 8	96.6	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-08 (SP-4)		**Soil**			**Sampled: 09/16/08 16:15**					
Dry Weight	BSOPSPL003R0 8	98.6	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-09 (SP-5)		**Soil**			**Sampled: 09/16/08 16:20**					
Dry Weight	BSOPSPL003R0 8	97.4	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-10 (SET-11)		**Soil**			**Sampled: 09/16/08 16:30**					
Dry Weight	BSOPSPL003R0 8	89.4	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-11 (SSW-8)		**Soil**			**Sampled: 09/16/08 16:35**					

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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-11 (SSW-8)		**Soil**			**Sampled: 09/16/08 16:35**					
Dry Weight	BSOPSPL003R0 8	**90.3**	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-12 (SWT-11)		**Soil**			**Sampled: 09/16/08 17:50**					
Dry Weight	BSOPSPL003R0 8	**80.8**	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	
BRI0262-13 (WSW-8)		**Soil**			**Sampled: 09/16/08 17:55**					
Dry Weight	BSOPSPL003R0 8	**95.7**	-----	1.00	%	1x	8I18035	09/18/08 13:44	09/19/08 00:00	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01
Redmond, WA/USA 98073	Project Manager:	Scott Manning
		Report Created: 10/23/08 12:27

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

TestAmerica Nashville

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0262-05 (SP-1)		**Soil**			**Sampled: 09/16/08 16:00**					
Benzene	SW846 1311/8260B	ND	-----	0.0100	mg/L	1x	8093474	09/22/08 15:11	09/22/08 16:01	
Surrogate(s): 1,2-Dichloroethane-d4			*104%*		*60 - 140 %*	"			"	
Dibromofluoromethane			*100%*		*75 - 124 %*	"			"	
Toluene-d8			*105%*		*78 - 121 %*	"			"	
4-Bromofluorobenzene			*102%*		*79 - 124 %*	"			"	
BRI0262-06 (SP-2)		**Soil**			**Sampled: 09/16/08 16:05**					
Benzene	SW846 1311/8260B	ND	-----	0.0100	mg/L	1x	8093474	09/22/08 15:11	09/22/08 16:26	
Surrogate(s): 1,2-Dichloroethane-d4			*105%*		*60 - 140 %*	"			"	
Dibromofluoromethane			*97%*		*75 - 124 %*	"			"	
Toluene-d8			*104%*		*78 - 121 %*	"			"	
4-Bromofluorobenzene			*101%*		*79 - 124 %*	"			"	
BRI0262-07 (SP-3)		**Soil**			**Sampled: 09/16/08 16:10**					
Benzene	SW846 1311/8260B	ND	-----	0.0100	mg/L	1x	8093474	09/22/08 15:11	09/22/08 16:52	
Surrogate(s): 1,2-Dichloroethane-d4			*107%*		*60 - 140 %*	"			"	
Dibromofluoromethane			*100%*		*75 - 124 %*	"			"	
Toluene-d8			*105%*		*78 - 121 %*	"			"	
4-Bromofluorobenzene			*103%*		*79 - 124 %*	"			"	
BRI0262-08 (SP-4)		**Soil**			**Sampled: 09/16/08 16:15**					
Benzene	SW846 1311/8260B	ND	-----	0.0100	mg/L	1x	8093474	09/22/08 15:11	09/22/08 17:18	
Surrogate(s): 1,2-Dichloroethane-d4			*104%*		*60 - 140 %*	"			"	
Dibromofluoromethane			*100%*		*75 - 124 %*	"			"	
Toluene-d8			*103%*		*78 - 121 %*	"			"	
4-Bromofluorobenzene			*101%*		*79 - 124 %*	"			"	
BRI0262-09 (SP-5)		**Soil**			**Sampled: 09/16/08 16:20**					
Benzene	SW846 1311/8260B	ND	-----	0.0100	mg/L	1x	8093474	09/22/08 15:11	09/22/08 17:44	
Surrogate(s): 1,2-Dichloroethane-d4			*104%*		*60 - 140 %*	"			"	
Dibromofluoromethane			*96%*		*75 - 124 %*	"			"	
Toluene-d8			*105%*		*78 - 121 %*	"			"	
4-Bromofluorobenzene			*102%*		*79 - 124 %*	"			"	

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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

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

TestAmerica Seattle

QC Batch: 8I18029 **Soil Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I18029-BLK1)								**Extracted: 09/18/08 13:33**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	09/19/08 16:52	
Surrogate(s): 4-BFB (FID)		*Recovery: 100%*			*Limits: 50-150%*	"							*09/19/08 16:52*	
LCS (8I18029-BS1)								**Extracted: 09/18/08 13:33**						
Gasoline Range Hydrocarbons	NWTPH-Gx	48.6	---	5.00	mg/kg wet	1x	--	50.0	97.2%	(75-125)	--	--	09/19/08 17:24	
Surrogate(s): 4-BFB (FID)		*Recovery: 106%*			*Limits: 50-150%*	"							*09/19/08 17:24*	
Duplicate (8I18029-DUP1)					**QC Source: BRI0262-01**			**Extracted: 09/18/08 13:33**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	9.12	mg/kg dry	1x	ND	--	--	--	39.3%	(40)	09/19/08 19:22	
Surrogate(s): 4-BFB (FID)		*Recovery: 120%*			*Limits: 50-150%*	"							*09/19/08 19:22*	
Duplicate (8I18029-DUP2)					**QC Source: BRI0262-04**			**Extracted: 09/18/08 13:33**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	8.87	mg/kg dry	1x	ND	--	--	--	14.7%	(40)	09/19/08 20:27	
Surrogate(s): 4-BFB (FID)		*Recovery: 112%*			*Limits: 50-150%*	"							*09/19/08 20:27*	
Matrix Spike (8I18029-MS1)					**QC Source: BRI0262-01**			**Extracted: 09/18/08 13:33**						
Gasoline Range Hydrocarbons	NWTPH-Gx	99.5	---	9.12	mg/kg dry	1x	2.44	77.7	125%	(60-175)	--	--	09/19/08 22:37	
Surrogate(s): 4-BFB (FID)		*Recovery: 126%*			*Limits: 50-150%*	"							*09/19/08 22:37*	

QC Batch: 8I22029 **Soil Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I22029-BLK1)								**Extracted: 09/22/08 10:18**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	09/22/08 10:31	
Surrogate(s): 4-BFB (FID)		*Recovery: 99.4%*			*Limits: 50-150%*	"							*09/22/08 10:31*	
LCS (8I22029-BS1)								**Extracted: 09/22/08 10:18**						
Gasoline Range Hydrocarbons	NWTPH-Gx	49.8	---	5.00	mg/kg wet	1x	--	50.0	99.5%	(75-125)	--	--	09/22/08 11:51	
Surrogate(s): 4-BFB (FID)		*Recovery: 108%*			*Limits: 50-150%*	"							*09/22/08 11:51*	
Duplicate (8I22029-DUP1)					**QC Source: BRI0262-03RE1**			**Extracted: 09/22/08 10:18**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.73	mg/kg dry	1x	18.9	--	--	--	129%	(40)	09/22/08 17:04	R4
Surrogate(s): 4-BFB (FID)		*Recovery: 107%*			*Limits: 50-150%*	"							*09/22/08 17:04*	
Duplicate (8I22029-DUP2)					**QC Source: BRI0262-10RE1**			**Extracted: 09/22/08 10:18**						
Gasoline Range Hydrocarbons	NWTPH-Gx	11100	---	1240	mg/kg dry	200x	10600	--	--	--	4.55%	(40)	09/22/08 18:09	
Surrogate(s): 4-BFB (FID)		*Recovery: 120%*			*Limits: 50-150%*	*1x*							*09/22/08 18:09*	

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

TestAmerica Seattle

QC Batch: 8I22029 **Soil Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8I22029-MS1)					QC Source: BRI0262-03RE1			Extracted: 09/22/08 10:18						
Gasoline Range Hydrocarbons	NWTPH-Gx	64.2	---	5.73	mg/kg dry	1x	18.9	53.7	84.4%	(60-175)	--	--	09/22/08 20:18	
Surrogate(s): 4-BFB (FID)		*Recovery: 116%*			*Limits: 50-150%*	"							*09/22/08 20:18*	

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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

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

TestAmerica Seattle

QC Batch: 8I18031 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I18031-BLK1)													Extracted: 09/18/08 13:38	
Lube Oil	NWTPH-Dx	ND	---	25.0	mg/kg wet	1x	--	--	--	--	--	--	09/18/08 23:54	
Kerosene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Diesel Range Hydrocarbons	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery:*	*76.4%*		*Limits:*	*54-148%*	"						*09/18/08 23:54*	
Octacosane			*92.5%*			*62-142%*	"						"	
LCS (8I18031-BS1)													Extracted: 09/18/08 13:38	
Diesel Range Hydrocarbons	NWTPH-Dx	53.9	---	10.0	mg/kg wet	1x	--	66.7	80.8%	(78-129)	--	--	09/19/08 00:16	
Surrogate(s): 2-FBP		*Recovery:*	*74.7%*		*Limits:*	*54-148%*	"						*09/19/08 00:16*	
Octacosane			*90.6%*			*62-142%*	"						"	
Duplicate (8I18031-DUP1)						QC Source: BRI0262-11							Extracted: 09/18/08 13:38	
Lube Oil	NWTPH-Dx	131	---	27.5	mg/kg dry	1x	130	--	--	--	1.09%	(50)	09/19/08 00:37	
Kerosene	"	ND	---	11.0	"	"	ND	--	--	--	35.8%	"	"	
Diesel Range Hydrocarbons	"	13.0	---	11.0	"	"	ND	--	--	--	23.7%	"	"	
Surrogate(s): 2-FBP		*Recovery:*	*71.2%*		*Limits:*	*54-148%*	"						*09/19/08 00:37*	
Octacosane			*83.7%*			*62-142%*	"						"	
Duplicate (8I18031-DUP2)						QC Source: BRI0262-03							Extracted: 09/18/08 13:38	
Lube Oil	NWTPH-Dx	223	---	26.6	mg/kg dry	1x	155	--	--	--	35.9%	(50)	09/19/08 00:58	
Kerosene	"	ND	---	10.6	"	"	ND	--	--	--	7.41%	"	"	
Diesel Range Hydrocarbons	"	16.7	---	10.6	"	"	13.0	--	--	--	24.4%	"	"	
Surrogate(s): 2-FBP		*Recovery:*	*72.3%*		*Limits:*	*54-148%*	"						*09/19/08 00:58*	
Octacosane			*83.7%*			*62-142%*	"						"	
Matrix Spike (8I18031-MS1)						QC Source: BRI0262-11							Extracted: 09/18/08 13:38	
Diesel Range Hydrocarbons	NWTPH-Dx	60.2	---	11.1	mg/kg dry	1x	10.3	73.8	67.6%	(46-155)	--	--	09/19/08 01:20	
Surrogate(s): 2-FBP		*Recovery:*	*78.2%*		*Limits:*	*54-148%*	"						*09/19/08 01:20*	
Octacosane			*91.2%*			*62-142%*	"						"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8I18037 **Soil Preparation Method: EPA 7471A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I18037-BLK1)								Extracted: 09/18/08 13:52						
Mercury	EPA 7471A	ND	---	0.101	mg/kg wet	1x	--	--	--	--	--	--	09/18/08 16:49	
LCS (8I18037-BS1)								Extracted: 09/18/08 13:52						
Mercury	EPA 7471A	0.658	---	0.100	mg/kg wet	1x	--	0.669	98.4%	(80-120)	--	--	09/18/08 16:51	
LCS Dup (8I18037-BSD1)								Extracted: 09/18/08 13:52						
Mercury	EPA 7471A	0.649	---	0.100	mg/kg wet	1x	--	0.668	97.0%	(80-120)	1.47%	(20)	09/18/08 16:54	
Matrix Spike (8I18037-MS1)				QC Source: BRI0265-01				Extracted: 09/18/08 13:52						
Mercury	EPA 7471A	0.634	---	0.0931	mg/kg dry	1x	0.0147	0.621	99.7%	(80-125)	--	--	09/18/08 16:56	
Matrix Spike Dup (8I18037-MSD1)				QC Source: BRI0265-01				Extracted: 09/18/08 13:52						
Mercury	EPA 7471A	0.664	---	0.0979	mg/kg dry	1x	0.0147	0.652	99.5%	(80-125)	4.62%	(30)	09/18/08 16:59	

QC Batch: 8I19033 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I19033-BLK1)								Extracted: 09/19/08 12:09						
Lead	EPA 6020	ND	---	0.500	mg/kg wet	1x	--	--	--	--	--	--	09/22/08 11:24	
Selenium	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chromium	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Arsenic	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Silver	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Cadmium	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Barium	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
LCS (8I19033-BS1)								Extracted: 09/19/08 12:09						
Cadmium	EPA 6020	38.1	---	0.500	mg/kg wet	1x	--	40.0	95.2%	(80-120)	--	--	09/22/08 11:30	
Barium	"	38.6	---	5.00	"	"	--	"	96.5%	"	--	--	"	
Arsenic	"	38.5	---	0.500	"	"	--	"	96.2%	"	--	--	"	
Silver	"	38.0	---	0.500	"	"	--	"	95.1%	"	--	--	"	
Chromium	"	37.7	---	0.500	"	"	--	"	94.3%	"	--	--	"	
Selenium	"	39.4	---	1.00	"	"	--	"	98.5%	"	--	--	"	
Lead	"	37.9	---	0.500	"	"	--	"	94.8%	"	--	--	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8I19033 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Duplicate (8I19033-DUP1)					**QC Source: BRI0262-05**				**Extracted: 09/19/08 12:09**					
Lead	EPA 6020	10.2	---	0.527	mg/kg dry	1x	20.7	--	--	--	67.5%	(20)	09/22/08 11:50	R3
Cadmium	"	ND	---	0.527	"	"	ND	--	--	--	68.9%	"	"	R4
Chromium	"	33.4	---	0.527	"	"	29.9	--	--	--	10.9%	"	"	
Barium	"	32.7	---	5.27	"	"	55.5	--	--	--	51.5%	"	"	R3
Silver	"	ND	---	0.527	"	"	ND	--	--	--	19.4%	(40)	"	
Arsenic	"	2.63	---	0.527	"	"	3.53	--	--	--	29.4%	"	"	
Selenium	"	ND	---	1.05	"	"	ND	--	--	--	NR	"	"	
Matrix Spike (8I19033-MS1)					**QC Source: BRI0262-05**				**Extracted: 09/19/08 12:09**					
Selenium	EPA 6020	39.7	---	1.03	mg/kg dry	1x	ND	41.3	96.1%	(73-120)	--	--	09/22/08 11:44	
Cadmium	"	39.8	---	0.516	"	"	0.216	"	95.8%	(75-125)	--	--	"	
Silver	"	26.9	---	0.516	"	"	0.147	"	64.9%	(73-125)	--	--	"	M2
Lead	"	44.6	---	0.516	"	"	20.7	"	58.0%	(75-125)	--	--	"	M2
Arsenic	"	40.7	---	0.516	"	"	3.53	"	90.1%	(59-125)	--	--	"	
Barium	"	58.8	---	5.16	"	"	55.5	"	8.04%	(75-125)	--	--	"	M2
Chromium	"	48.5	---	0.516	"	"	29.9	"	44.9%	"	--	--	"	M2
Post Spike (8I19033-PS1)					**QC Source: BRI0262-05**				**Extracted: 09/19/08 12:09**					
Cadmium	EPA 6020	0.0995	---		ug/ml	1x	0.000410	0.100	99.1%	(80-120)	--	--	09/22/08 11:38	
Chromium	"	0.154	---		"	"	0.0568	"	96.5%	"	--	--	"	
Silver	"	0.0968	---		"	"	0.000280	"	96.5%	(75-125)	--	--	"	
Arsenic	"	0.109	---		"	"	0.00671	0.0995	103%	"	--	--	"	
Lead	"	0.137	---		"	"	0.0392	0.100	97.7%	(80-120)	--	--	"	
Barium	"	0.204	---		"	"	0.105	"	99.2%	"	--	--	"	
Selenium	"	0.100	---		"	"	0.000340	"	100%	(75-125)	--	--	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8I23005 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I23005-BLK1)								**Extracted: 09/23/08 05:53**						
Lead	EPA 6020	ND	---	0.510	mg/kg wet	1x	--	--	--	--	--	--	09/23/08 20:43	
LCS (8I23005-BS1)								**Extracted: 09/23/08 05:53**						
Lead	EPA 6020	40.9	---	0.510	mg/kg wet	1x	--	40.8	100%	(80-120)	--	--	09/23/08 20:49	
Duplicate (8I23005-DUP1)					**QC Source: BRI0262-01**					**Extracted: 09/23/08 05:53**				
Lead	EPA 6020	8.67	---	0.572	mg/kg dry	1x	8.95	--	--	--	3.13%	(20)	09/23/08 21:07	
Matrix Spike (8I23005-MS1)					**QC Source: BRI0262-01**					**Extracted: 09/23/08 05:53**				
Lead	EPA 6020	59.8	---	0.641	mg/kg dry	1x	8.95	51.3	99.1%	(75-125)	--	--	09/23/08 21:01	
Post Spike (8I23005-PS1)					**QC Source: BRI0262-01**					**Extracted: 09/23/08 05:53**				
Lead	EPA 6020	0.119	---		ug/ml	1x	0.0141	0.100	104%	(80-120)	--	--	09/23/08 20:55	

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TCLP Metals by EPA 1311/6000/7000 Series Methods - Laboratory Quality Control Results

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QC Batch: 8I19002 **TCLP Preparation Method: EPA 3010A**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I19002-BLK1)								**Extracted: 09/19/08 06:03**						
Lead	EPA 6010B	ND	---	1.00	mg/l	1x	--	--	--	--	--	--	09/19/08 10:45	
LCS (8I19002-BS1)								**Extracted: 09/19/08 06:03**						
Lead	EPA 6010B	42.4	---	1.00	mg/l	1x	--	50.0	84.7%	(80-120)	--	--	09/19/08 10:52	
Duplicate (8I19002-DUP1)				**QC Source: BRI0262-05**						**Extracted: 09/19/08 06:03**				
Lead	EPA 6010B	ND	---	1.00	mg/l	1x	ND	--	--	--	NR	(20)	09/19/08 10:59	
Matrix Spike (8I19002-MS1)				**QC Source: BRI0262-05**						**Extracted: 09/19/08 06:03**				
Lead	EPA 6010B	42.5	---	1.00	mg/l	1x	0.000400	50.0	85.0%	(80-120)	--	--	09/19/08 10:56	
Post Spike (8I19002-PS1)				**QC Source: BRI0262-05**						**Extracted: 09/19/08 06:03**				
Lead	EPA 6010B	4.00	---		ug/ml	1x	0.000400	5.00	80.1%	(0-200)	--	--	09/19/08 11:03	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

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QC Batch: 8I19010 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I19010-BLK1)							**Extracted: 09/19/08 09:34**							
Benzene	EPA 8260B	ND	0.000160	0.00150	mg/kg wet	1x	--	--	--	--	--	--	09/19/08 11:57	
1,2-Dibromoethane (EDB)	"	ND	0.000390	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	0.000300	0.00125	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.000160	0.00400	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	0.000320	0.00100	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	0.000260	0.00350	"	"	--	--	--	--	--	--	"	C5
Naphthalene	"	0.00189	0.000240	0.0100	"	"	--	--	--	--	--	--	"	J
Toluene	"	ND	0.000120	0.00150	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	0.000160	0.00500	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	0.00115	0.000240	0.00500	"	"	--	--	--	--	--	--	"	J
Total Xylenes	"	0.00115	0.000350	0.0100	"	"	--	--	--	--	--	--	"	J
Surrogate(s): Toluene-d8		*Recovery: 96.4%*			*Limits: 60-140%*	"							*09/19/08 11:57*	
4-BFB		*102%*			*60-140%*	"							"	
LCS (8I19010-BS1)							**Extracted: 09/19/08 09:34**							
Benzene	EPA 8260B	0.0495	0.000160	0.00150	mg/kg wet	1x	--	0.0500	98.9%	(70-130)	--	--	09/19/08 11:06	
Ethylbenzene	"	0.0543	0.000160	0.00400	"	"	--	"	109%	"	--	--	"	
Toluene	"	0.0524	0.000120	0.00150	"	"	--	"	105%	"	--	--	"	
Surrogate(s): Toluene-d8		*Recovery: 98.2%*			*Limits: 60-140%*	"							*09/19/08 11:06*	
4-BFB		*100%*			*60-140%*	"							"	
LCS Dup (8I19010-BSD1)							**Extracted: 09/19/08 09:34**							
Benzene	EPA 8260B	0.0499	0.000160	0.00150	mg/kg wet	1x	--	0.0500	99.8%	(70-130)	0.906%	(30)	09/19/08 11:32	
Ethylbenzene	"	0.0531	0.000160	0.00400	"	"	--	"	106%	"	2.20%	"	"	
Toluene	"	0.0523	0.000120	0.00150	"	"	--	"	105%	"	0.344%	"	"	
Surrogate(s): Toluene-d8		*Recovery: 96.3%*			*Limits: 60-140%*	"							*09/19/08 11:32*	
4-BFB		*99.9%*			*60-140%*	"							"	

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Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

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QC Batch: 8I25017 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I25017-BLK1)									**Extracted: 09/25/08 07:43**					
Acetone	EPA 8260B	ND	0.00257	0.0300	mg/kg wet	1x	---	---	---	---	---	---	09/25/08 10:42	
Benzene	"	ND	0.000160	0.00150	"	"	---	---	---	---	---	---	"	
Bromobenzene	"	ND	0.000200	0.00500	"	"	---	---	---	---	---	---	"	
Bromochloromethane	"	ND	0.00102	0.00500	"	"	---	---	---	---	---	---	"	
Bromodichloromethane	"	ND	0.000210	0.00500	"	"	---	---	---	---	---	---	"	
Bromoform	"	ND	0.000930	0.00500	"	"	---	---	---	---	---	---	"	
Bromomethane	"	ND	0.000290	0.0100	"	"	---	---	---	---	---	---	"	
2-Butanone	"	ND	0.00238	0.0150	"	"	---	---	---	---	---	---	"	
n-Butylbenzene	"	ND	0.000200	0.00500	"	"	---	---	---	---	---	---	"	
sec-Butylbenzene	"	ND	0.000130	0.00500	"	"	---	---	---	---	---	---	"	
tert-Butylbenzene	"	ND	0.000350	0.00500	"	"	---	---	---	---	---	---	"	
Carbon disulfide	"	ND	0.000190	0.00300	"	"	---	---	---	---	---	---	"	
Carbon tetrachloride	"	ND	0.000200	0.00500	"	"	---	---	---	---	---	---	"	
Chlorobenzene	"	ND	0.000190	0.00200	"	"	---	---	---	---	---	---	"	
Chloroethane	"	ND	0.000360	0.00500	"	"	---	---	---	---	---	---	"	
Chloroform	"	ND	0.000160	0.00250	"	"	---	---	---	---	---	---	"	
Chloromethane	"	ND	0.000400	0.0100	"	"	---	---	---	---	---	---	"	
2-Chlorotoluene	"	ND	0.000320	0.00500	"	"	---	---	---	---	---	---	"	
4-Chlorotoluene	"	ND	0.000290	0.00500	"	"	---	---	---	---	---	---	"	
Dibromochloromethane	"	ND	0.000740	0.00500	"	"	---	---	---	---	---	---	"	
1,2-Dibromo-3-chloropropane	"	ND	0.00138	0.0100	"	"	---	---	---	---	---	---	"	
1,2-Dibromoethane (EDB)	"	ND	0.000390	0.00500	"	"	---	---	---	---	---	---	"	
Dibromomethane	"	ND	0.000990	0.00500	"	"	---	---	---	---	---	---	"	
1,2-Dichlorobenzene	"	ND	0.000220	0.00500	"	"	---	---	---	---	---	---	"	
1,3-Dichlorobenzene	"	ND	0.000170	0.00500	"	"	---	---	---	---	---	---	"	
1,4-Dichlorobenzene	"	ND	0.000160	0.00500	"	"	---	---	---	---	---	---	"	
Dichlorodifluoromethane	"	0.000760	0.000340	0.00500	"	"	---	---	---	---	---	---	"	J
1,1-Dichloroethane	"	ND	0.000170	0.00200	"	"	---	---	---	---	---	---	"	
1,2-Dichloroethane	"	ND	0.000300	0.00125	"	"	---	---	---	---	---	---	"	
1,1-Dichloroethene	"	ND	0.000230	0.00300	"	"	---	---	---	---	---	---	"	
cis-1,2-Dichloroethene	"	ND	0.000230	0.00300	"	"	---	---	---	---	---	---	"	
trans-1,2-Dichloroethene	"	ND	0.000160	0.00250	"	"	---	---	---	---	---	---	"	
1,2-Dichloropropane	"	ND	0.000390	0.00500	"	"	---	---	---	---	---	---	"	
1,3-Dichloropropane	"	ND	0.000240	0.00500	"	"	---	---	---	---	---	---	"	
2,2-Dichloropropane	"	ND	0.000230	0.0100	"	"	---	---	---	---	---	---	"	
1,1-Dichloropropene	"	ND	0.000150	0.00500	"	"	---	---	---	---	---	---	"	
cis-1,3-Dichloropropene	"	ND	0.000180	0.00500	"	"	---	---	---	---	---	---	"	
trans-1,3-Dichloropropene	"	ND	0.000190	0.00125	"	"	---	---	---	---	---	---	"	
Ethylbenzene	"	ND	0.000160	0.00400	"	"	---	---	---	---	---	---	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25017 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I25017-BLK1)							Extracted: 09/25/08 07:43							
Hexachlorobutadiene	EPA 8260B	ND	0.000320	0.0100	mg/kg wet	1x	---	---	---	---	---	---	09/25/08 10:42	
Methyl tert-butyl ether	"	ND	0.000320	0.00100	"	"	---	---	---	---	---	---	"	
n-Hexane	"	0.00328	0.000370	0.00500	"	"	---	---	---	---	---	---	"	J
2-Hexanone	"	ND	0.00345	0.0200	"	"	---	---	---	---	---	---	"	
Isopropylbenzene	"	ND	0.000150	0.00500	"	"	---	---	---	---	---	---	"	
p-Isopropyltoluene	"	ND	0.000190	0.00500	"	"	---	---	---	---	---	---	"	
4-Methyl-2-pentanone	"	ND	0.00248	0.0200	"	"	---	---	---	---	---	---	"	
Methylene chloride	"	ND	0.000260	0.00350	"	"	---	---	---	---	---	---	"	
Naphthalene	"	ND	0.000240	0.0100	"	"	---	---	---	---	---	---	"	
n-Propylbenzene	"	ND	0.000150	0.00500	"	"	---	---	---	---	---	---	"	
Styrene	"	ND	0.000130	0.00100	"	"	---	---	---	---	---	---	"	
1,2,3-Trichlorobenzene	"	ND	0.000250	0.0100	"	"	---	---	---	---	---	---	"	
1,2,4-Trichlorobenzene	"	ND	0.000220	0.0100	"	"	---	---	---	---	---	---	"	
1,1,1,2-Tetrachloroethane	"	ND	0.000220	0.00500	"	"	---	---	---	---	---	---	"	
1,1,2,2-Tetrachloroethane	"	ND	0.000310	0.00500	"	"	---	---	---	---	---	---	"	
Tetrachloroethene	"	ND	0.000190	0.00200	"	"	---	---	---	---	---	---	"	
Toluene	"	ND	0.000120	0.00150	"	"	---	---	---	---	---	---	"	
1,1,1-Trichloroethane	"	ND	0.000240	0.00250	"	"	---	---	---	---	---	---	"	
1,1,2-Trichloroethane	"	ND	0.000540	0.00125	"	"	---	---	---	---	---	---	"	
Trichloroethene	"	ND	0.000180	0.00250	"	"	---	---	---	---	---	---	"	
Trichlorofluoromethane	"	ND	0.000190	0.00500	"	"	---	---	---	---	---	---	"	
1,2,3-Trichloropropane	"	ND	0.00139	0.00500	"	"	---	---	---	---	---	---	"	
1,2,4-Trimethylbenzene	"	ND	0.000160	0.00500	"	"	---	---	---	---	---	---	"	
1,3,5-Trimethylbenzene	"	ND	0.000140	0.00500	"	"	---	---	---	---	---	---	"	
Vinyl chloride	"	ND	0.000360	0.00250	"	"	---	---	---	---	---	---	"	
o-Xylene	"	ND	0.000160	0.00500	"	"	---	---	---	---	---	---	"	
m,p-Xylene	"	0.00101	0.000240	0.00500	"	"	---	---	---	---	---	---	"	J
Total Xylenes	"	0.00101	0.000350	0.0100	"	"	---	---	---	---	---	---	"	J
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 60-140%*	"							*09/25/08 10:42*	
Toluene-d8		*98.4%*			*60-140%*	"							"	
4-BFB		*99.9%*			*60-140%*	"							"	

TestAmerica Seattle

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25017 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8I25017-BS1)								**Extracted: 09/25/08 07:43**						
Acetone	EPA 8260B	0.436	0.00257	0.0300	mg/kg wet	1x	--	0.500	87.2%	(70-130)	--	--	09/25/08 08:42	
Benzene	"	0.0416	0.000160	0.00150	"	"	--	0.0500	83.1%	"	--	--	"	
2-Butanone	"	0.416	0.00238	0.0150	"	"	--	0.500	83.2%	"	--	--	"	
Carbon disulfide	"	0.0459	0.000190	0.00300	"	"	--	0.0500	91.8%	"	--	--	"	
Chlorobenzene	"	0.0442	0.000190	0.00200	"	"	--	"	88.5%	"	--	--	"	
1,1-Dichloroethane	"	0.0422	0.000170	0.00200	"	"	--	"	84.4%	"	--	--	"	
1,1-Dichloroethene	"	0.0445	0.000230	0.00300	"	"	--	"	89.1%	"	--	--	"	
cis-1,2-Dichloroethene	"	0.0447	0.000230	0.00300	"	"	--	"	89.4%	"	--	--	"	
Ethylbenzene	"	0.0445	0.000160	0.00400	"	"	--	"	89.0%	"	--	--	"	
Hexachlorobutadiene	"	0.0413	0.000320	0.0100	"	"	--	"	82.6%	"	--	--	"	
4-Methyl-2-pentanone	"	0.400	0.00248	0.0200	"	"	--	0.500	80.0%	"	--	--	"	
Tetrachloroethene	"	0.0480	0.000190	0.00200	"	"	--	0.0500	96.0%	"	--	--	"	
Toluene	"	0.0436	0.000120	0.00150	"	"	--	"	87.3%	"	--	--	"	
1,1,1-Trichloroethane	"	0.0436	0.000240	0.00250	"	"	--	"	87.3%	"	--	--	"	
Trichloroethene	"	0.0417	0.000180	0.00250	"	"	--	"	83.4%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 89.8%*			*Limits: 60-140%*	"							*09/25/08 08:42*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*99.8%*			*60-140%*	"							"	
LCS Dup (8I25017-BSD1)								**Extracted: 09/25/08 07:43**						
Acetone	EPA 8260B	0.494	0.00257	0.0300	mg/kg wet	1x	--	0.500	98.8%	(70-130)	12.4%	(30)	09/25/08 09:09	
Benzene	"	0.0480	0.000160	0.00150	"	"	--	0.0500	96.0%	"	14.3%	"	"	
2-Butanone	"	0.476	0.00238	0.0150	"	"	--	0.500	95.3%	"	13.6%	"	"	
Carbon disulfide	"	0.0513	0.000190	0.00300	"	"	--	0.0500	103%	"	11.1%	"	"	
Chlorobenzene	"	0.0522	0.000190	0.00200	"	"	--	"	104%	"	16.6%	"	"	
1,1-Dichloroethane	"	0.0468	0.000170	0.00200	"	"	--	"	93.7%	"	10.4%	"	"	
1,1-Dichloroethene	"	0.0486	0.000230	0.00300	"	"	--	"	97.1%	"	8.66%	"	"	
cis-1,2-Dichloroethene	"	0.0509	0.000230	0.00300	"	"	--	"	102%	"	13.0%	"	"	
Ethylbenzene	"	0.0516	0.000160	0.00400	"	"	--	"	103%	"	14.7%	"	"	
Hexachlorobutadiene	"	0.0574	0.000320	0.0100	"	"	--	"	115%	"	32.6%	"	"	R7
4-Methyl-2-pentanone	"	0.470	0.00248	0.0200	"	"	--	0.500	94.1%	"	16.2%	"	"	
Tetrachloroethene	"	0.0566	0.000190	0.00200	"	"	--	0.0500	113%	"	16.6%	"	"	
Toluene	"	0.0504	0.000120	0.00150	"	"	--	"	101%	"	14.3%	"	"	
1,1,1-Trichloroethane	"	0.0485	0.000240	0.00250	"	"	--	"	97.0%	"	10.5%	"	"	
Trichloroethene	"	0.0484	0.000180	0.00250	"	"	--	"	96.8%	"	14.9%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 92.7%*			*Limits: 60-140%*	"							*09/25/08 09:09*	
Toluene-d8		*102%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8125065 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8125065-BLK1)							**Extracted: 09/25/08 20:55**							
Acetone	EPA 8260B	ND	0.00257	0.0300	mg/kg wet	1x	--	--	--	--	--	--	09/25/08 22:19	
Benzene	"	ND	0.000160	0.00150	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	0.000200	0.00500	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	0.00102	0.00500	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	0.000210	0.00500	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	0.000930	0.00500	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	0.000290	0.0100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	0.00238	0.0150	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	0.000200	0.00500	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	0.000130	0.00500	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	0.000350	0.00500	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	0.000190	0.00300	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	0.000200	0.00500	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	0.000190	0.00200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	0.000360	0.00500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	0.000160	0.00250	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	0.000400	0.0100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	0.000320	0.00500	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	0.000290	0.00500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	0.000740	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	0.00138	0.0100	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	0.000390	0.00500	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	0.000990	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	0.000220	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	0.000170	0.00500	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	0.000160	0.00500	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	0.000770	0.000340	0.00500	"	"	--	--	--	--	--	--	"	J
1,1-Dichloroethane	"	ND	0.000170	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	0.000300	0.00125	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	0.000230	0.00300	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	0.000230	0.00300	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	0.000160	0.00250	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	0.000390	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	0.000240	0.00500	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	0.000230	0.0100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	0.000150	0.00500	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	0.000180	0.00500	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	0.000190	0.00125	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.000160	0.00400	"	"	--	--	--	--	--	--	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25065 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I25065-BLK1)							Extracted: 09/25/08 20:55							
Hexachlorobutadiene	EPA 8260B	ND	0.000320	0.0100	mg/kg wet	1x	---	---	---	---	---	---	09/25/08 22:19	
Methyl tert-butyl ether	"	ND	0.000320	0.00100	"	"	---	---	---	---	---	---	"	
n-Hexane	"	0.00401	0.000370	0.00500	"	"	---	---	---	---	---	---	"	C, J
2-Hexanone	"	ND	0.00345	0.0200	"	"	---	---	---	---	---	---	"	
Isopropylbenzene	"	ND	0.000150	0.00500	"	"	---	---	---	---	---	---	"	
p-Isopropyltoluene	"	ND	0.000190	0.00500	"	"	---	---	---	---	---	---	"	
4-Methyl-2-pentanone	"	ND	0.00248	0.0200	"	"	---	---	---	---	---	---	"	
Methylene chloride	"	0.00276	0.000260	0.00350	"	"	---	---	---	---	---	---	"	J
Naphthalene	"	ND	0.000240	0.0100	"	"	---	---	---	---	---	---	"	
n-Propylbenzene	"	ND	0.000150	0.00500	"	"	---	---	---	---	---	---	"	
Styrene	"	ND	0.000130	0.00100	"	"	---	---	---	---	---	---	"	
1,2,3-Trichlorobenzene	"	0.000750	0.000250	0.0100	"	"	---	---	---	---	---	---	"	J
1,2,4-Trichlorobenzene	"	0.000600	0.000220	0.0100	"	"	---	---	---	---	---	---	"	J
1,1,1,2-Tetrachloroethane	"	ND	0.000220	0.00500	"	"	---	---	---	---	---	---	"	
1,1,2,2-Tetrachloroethane	"	ND	0.000310	0.00500	"	"	---	---	---	---	---	---	"	
Tetrachloroethene	"	ND	0.000190	0.00200	"	"	---	---	---	---	---	---	"	
Toluene	"	ND	0.000120	0.00150	"	"	---	---	---	---	---	---	"	
1,1,1-Trichloroethane	"	ND	0.000240	0.00250	"	"	---	---	---	---	---	---	"	
1,1,2-Trichloroethane	"	ND	0.000540	0.00125	"	"	---	---	---	---	---	---	"	
Trichloroethene	"	ND	0.000180	0.00250	"	"	---	---	---	---	---	---	"	
Trichlorofluoromethane	"	ND	0.000190	0.00500	"	"	---	---	---	---	---	---	"	
1,2,3-Trichloropropane	"	ND	0.00139	0.00500	"	"	---	---	---	---	---	---	"	
1,2,4-Trimethylbenzene	"	ND	0.000160	0.00500	"	"	---	---	---	---	---	---	"	
1,3,5-Trimethylbenzene	"	ND	0.000140	0.00500	"	"	---	---	---	---	---	---	"	
Vinyl chloride	"	ND	0.000360	0.00250	"	"	---	---	---	---	---	---	"	
o-Xylene	"	ND	0.000160	0.00500	"	"	---	---	---	---	---	---	"	
m,p-Xylene	"	0.00111	0.000240	0.00500	"	"	---	---	---	---	---	---	"	J
Total Xylenes	"	0.00111	0.000350	0.0100	"	"	---	---	---	---	---	---	"	J
Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*99.6%*		*Limits:*	*60-140%*	"						*09/25/08 22:19*	
	Toluene-d8		*97.9%*			*60-140%*	"						"	
	4-BFB		*99.0%*			*60-140%*	"						"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25065 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	%REC	(Limits)	%RPD	(Limits)	Analyzed	Notes
LCS (8I25065-BS1)							**Extracted: 09/25/08 20:55**							
Acetone	EPA 8260B	0.616	0.00257	0.0300	mg/kg wet	1x	--	0.500	123%	(70-130)	--	--	09/25/08 21:25	
Benzene	"	0.0485	0.000160	0.00150	"	"	--	0.0500	97.0%	"	--	--	"	
2-Butanone	"	0.585	0.00238	0.0150	"	"	--	0.500	117%	"	--	--	"	
Carbon disulfide	"	0.0540	0.000190	0.00300	"	"	--	0.0500	108%	"	--	--	"	
Chlorobenzene	"	0.0497	0.000190	0.00200	"	"	--	"	99.3%	"	--	--	"	
1,1-Dichloroethane	"	0.0498	0.000170	0.00200	"	"	--	"	99.6%	"	--	--	"	
1,1-Dichloroethene	"	0.0507	0.000230	0.00300	"	"	--	"	101%	"	--	--	"	
cis-1,2-Dichloroethene	"	0.0542	0.000230	0.00300	"	"	--	"	108%	"	--	--	"	
Ethylbenzene	"	0.0487	0.000160	0.00400	"	"	--	"	97.3%	"	--	--	"	
Hexachlorobutadiene	"	0.0488	0.000320	0.0100	"	"	--	"	97.7%	"	--	--	"	
4-Methyl-2-pentanone	"	0.541	0.00248	0.0200	"	"	--	0.500	108%	"	--	--	"	
Tetrachloroethene	"	0.0530	0.000190	0.00200	"	"	--	0.0500	106%	"	--	--	"	
Toluene	"	0.0486	0.000120	0.00150	"	"	--	"	97.2%	"	--	--	"	
1,1,1-Trichloroethane	"	0.0492	0.000240	0.00250	"	"	--	"	98.4%	"	--	--	"	
Trichloroethene	"	0.0471	0.000180	0.00250	"	"	--	"	94.2%	"	--	--	"	
Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*102%*		*Limits:*	*60-140%*	"						*09/25/08 21:25*	
	Toluene-d8		*99.4%*			*60-140%*	"						"	
	4-BFB		*99.1%*			*60-140%*	"						"	
LCS Dup (8I25065-BSD1)							**Extracted: 09/25/08 20:55**							
Acetone	EPA 8260B	0.609	0.00257	0.0300	mg/kg wet	1x	--	0.500	122%	(70-130)	1.27%	(30)	09/25/08 21:52	
Benzene	"	0.0487	0.000160	0.00150	"	"	--	0.0500	97.5%	"	0.494%	"	"	
2-Butanone	"	0.583	0.00238	0.0150	"	"	--	0.500	117%	"	0.346%	"	"	
Carbon disulfide	"	0.0540	0.000190	0.00300	"	"	--	0.0500	108%	"	0.0741%	"	"	
Chlorobenzene	"	0.0483	0.000190	0.00200	"	"	--	"	96.6%	"	2.80%	"	"	
1,1-Dichloroethane	"	0.0495	0.000170	0.00200	"	"	--	"	99.1%	"	0.483%	"	"	
1,1-Dichloroethene	"	0.0497	0.000230	0.00300	"	"	--	"	99.4%	"	2.07%	"	"	
cis-1,2-Dichloroethene	"	0.0538	0.000230	0.00300	"	"	--	"	108%	"	0.722%	"	"	
Ethylbenzene	"	0.0481	0.000160	0.00400	"	"	--	"	96.2%	"	1.22%	"	"	
Hexachlorobutadiene	"	0.0513	0.000320	0.0100	"	"	--	"	103%	"	4.95%	"	"	
4-Methyl-2-pentanone	"	0.541	0.00248	0.0200	"	"	--	0.500	108%	"	0.00370	"	"	
Tetrachloroethene	"	0.0525	0.000190	0.00200	"	"	--	0.0500	105%	"	0.853%	"	"	
Toluene	"	0.0472	0.000120	0.00150	"	"	--	"	94.5%	"	2.88%	"	"	
1,1,1-Trichloroethane	"	0.0489	0.000240	0.00250	"	"	--	"	97.7%	"	0.714%	"	"	
Trichloroethene	"	0.0474	0.000180	0.00250	"	"	--	"	94.7%	"	0.593%	"	"	
Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*97.4%*		*Limits:*	*60-140%*	"						*09/25/08 21:52*	
	Toluene-d8		*96.4%*			*60-140%*	"						"	
	4-BFB		*101%*			*60-140%*	"						"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I22006 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I22006-BLK1)							**Extracted: 09/22/08 07:46**							
Benzene	EPA 8260B	ND	0.10	0.20	mg/kg wet	1x	--	--	--	--	--	--	09/22/08 10:26	
1,2-Dibromoethane (EDB)	"	ND	0.09	0.50	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	0.10	0.50	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.12	1.0	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	0.10	5.0	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	11	20	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	0.10	1.0	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	0.17	1.0	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	0.21	2.0	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	0.31	3.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): *1,2-DCA-d4*		*Recovery:*	*97.7%*		*Limits:*	*75-125%*	"						*09/22/08 10:26*	
Toluene-d8			*99.7%*			*75-125%*	"						"	
4-BFB			*99.2%*			*75-125%*	"						"	
LCS (8I22006-BS1)							**Extracted: 09/22/08 07:46**							
Benzene	EPA 8260B	40	0.10	0.20	mg/kg wet	1x	--	40.0	99.3%	(75-125)	--	--	09/22/08 08:49	
1,2-Dibromoethane (EDB)	"	40	0.09	0.50	"	"	--	"	101%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	40	0.10	0.50	"	"	--	"	101%	"	--	--	"	
Ethylbenzene	"	41	0.12	1.0	"	"	--	"	102%	"	--	--	"	
Methyl tert-butyl ether	"	41	0.10	5.0	"	"	--	"	102%	"	--	--	"	
Naphthalene	"	37	11	20	"	"	--	"	92.0%	(60-140)	--	--	"	
Toluene	"	38	0.10	1.0	"	"	--	"	95.6%	(75-125)	--	--	"	
o-Xylene	"	41	0.17	1.0	"	"	--	"	102%	"	--	--	"	
m,p-Xylene	"	84	0.21	2.0	"	"	--	80.0	106%	"	--	--	"	
Xylenes (total)	"	130	0.31	3.0	"	"	--	120	104%	"	--	--	"	
Surrogate(s): *1,2-DCA-d4*		*Recovery:*	*97.2%*		*Limits:*	*75-125%*	"						*09/22/08 08:49*	
Toluene-d8			*95.4%*			*75-125%*	"						"	
4-BFB			*97.2%*			*75-125%*	"						"	
LCS Dup (8I22006-BSD1)							**Extracted: 09/22/08 07:46**							
Benzene	EPA 8260B	41	0.10	0.20	mg/kg wet	1x	--	40.0	102%	(75-125)	2.26%	(20)	09/22/08 09:16	
1,2-Dibromoethane (EDB)	"	41	0.09	0.50	"	"	--	"	103%	"	2.75%	(40)	"	
1,2-Dichloroethane (EDC)	"	41	0.10	0.50	"	"	--	"	104%	"	2.61%	"	"	
Ethylbenzene	"	42	0.12	1.0	"	"	--	"	104%	"	2.28%	(20)	"	
Methyl tert-butyl ether	"	42	0.10	5.0	"	"	--	"	105%	"	3.17%	"	"	
Naphthalene	"	38	11	20	"	"	--	"	95.9%	(60-140)	4.12%	"	"	
Toluene	"	40	0.10	1.0	"	"	--	"	101%	(75-125)	5.54%	"	"	
o-Xylene	"	43	0.17	1.0	"	"	--	"	108%	"	5.13%	"	"	
m,p-Xylene	"	88	0.21	2.0	"	"	--	80.0	110%	"	3.70%	"	"	
Xylenes (total)	"	130	0.31	3.0	"	"	--	120	109%	"	4.16%	"	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

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QC Batch: 8I22006 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (8I22006-BSD1)							**Extracted: 09/22/08 07:46**							
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*99.4%*		*Limits: 75-125%*	"							*09/22/08 09:16*	
Toluene-d8			*98.2%*		*75-125%*	"							"	
4-BFB			*97.4%*		*75-125%*	"							"	

QC Batch: 8I22063 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I22063-BLK1)							**Extracted: 09/22/08 21:52**							
Benzene	EPA 8260B	ND	0.0100	0.0200	mg/kg wet	1x	--	--	--	--	--	--	09/22/08 23:35	
1,2-Dibromoethane	"	ND	0.00900	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.0120	0.100	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	0.0100	0.500	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	1.10	2.00	"	"	--	--	--	--	--	--	"	C5
Toluene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	0.0310	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*97.6%*		*Limits: 75-125%*	"							*09/22/08 23:35*	
Toluene-d8			*103%*		*75-125%*	"							"	
4-BFB			*102%*		*75-125%*	"							"	
LCS (8I22063-BS1)							**Extracted: 09/22/08 21:52**							
Benzene	EPA 8260B	4.17	0.0100	0.0200	mg/kg wet	1x	--	4.00	104%	(75-125)	--	--	09/22/08 22:01	
Ethylbenzene	"	4.06	0.0120	0.100	"	"	--	"	101%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*99.8%*		*Limits: 75-125%*	"							*09/22/08 22:01*	
Toluene-d8			*98.4%*		*75-125%*	"							"	
4-BFB			*99.8%*		*75-125%*	"							"	
LCS Dup (8I22063-BSD1)							**Extracted: 09/22/08 21:52**							
Benzene	EPA 8260B	4.06	0.0100	0.0200	mg/kg wet	1x	--	4.00	102%	(75-125)	2.67%	(20)	09/22/08 22:28	
Ethylbenzene	"	4.00	0.0120	0.100	"	"	--	"	100%	"	1.34%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*103%*		*Limits: 75-125%*	"							*09/22/08 22:28*	
Toluene-d8			*99.6%*		*75-125%*	"							"	
4-BFB			*101%*		*75-125%*	"							"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I23008 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I23008-BLK1)							**Extracted: 09/23/08 17:23**							
Benzene	EPA 8260B	ND	0.01	0.02	mg/kg wet	1x	--	--	--	--	--	--	09/23/08 20:27	
1,2-Dibromoethane (EDB)	"	ND	0.009	0.05	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane (EDC)	"	ND	0.01	0.05	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.01	0.10	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	0.01	0.50	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	1.1	2.0	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	0.01	0.10	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	0.02	0.10	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	0.02	0.20	"	"	--	--	--	--	--	--	"	
Xylenes (total)	"	ND	0.03	0.30	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 98.0%*			*Limits: 75-125%*	"							*09/23/08 20:27*	
Toluene-d8		*107%*			*75-125%*	"							"	
4-BFB		*101%*			*75-125%*	"							"	
LCS (8I23008-BS1)							**Extracted: 09/23/08 17:23**							
Benzene	EPA 8260B	3.7	0.01	0.02	mg/kg wet	1x	--	4.00	91.4%	(75-125)	--	--	09/23/08 18:45	
1,2-Dibromoethane (EDB)	"	4.0	0.009	0.05	"	"	--	"	101%	"	--	--	"	
1,2-Dichloroethane (EDC)	"	3.8	0.01	0.05	"	"	--	"	95.7%	"	--	--	"	
Ethylbenzene	"	4.0	0.01	0.10	"	"	--	"	101%	"	--	--	"	
Methyl tert-butyl ether	"	3.6	0.01	0.50	"	"	--	"	90.0%	"	--	--	"	
Naphthalene	"	2.7	1.1	2.0	"	"	--	"	67.2%	(60-140)	--	--	"	
Toluene	"	4.0	0.01	0.10	"	"	--	"	98.8%	(75-125)	--	--	"	
o-Xylene	"	4.2	0.02	0.10	"	"	--	"	104%	"	--	--	"	
m,p-Xylene	"	8.5	0.02	0.20	"	"	--	8.00	106%	"	--	--	"	
Xylenes (total)	"	13	0.03	0.30	"	"	--	12.0	105%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 101%*			*Limits: 75-125%*	"							*09/23/08 18:45*	
Toluene-d8		*102%*			*75-125%*	"							"	
4-BFB		*100%*			*75-125%*	"							"	
LCS Dup (8I23008-BSD1)							**Extracted: 09/23/08 17:23**							
Benzene	EPA 8260B	3.7	0.01	0.02	mg/kg wet	1x	--	4.00	91.3%	(75-125)	0.0821%	(20)	09/23/08 19:12	
1,2-Dibromoethane (EDB)	"	4.1	0.009	0.05	"	"	--	"	102%	"	1.62%	(40)	"	
1,2-Dichloroethane (EDC)	"	3.8	0.01	0.05	"	"	--	"	95.9%	"	0.183%	"	"	
Ethylbenzene	"	4.0	0.01	0.10	"	"	--	"	101%	"	0.0742%	(20)	"	
Methyl tert-butyl ether	"	3.6	0.01	0.50	"	"	--	"	89.6%	"	0.418%	"	"	
Naphthalene	"	3.8	1.1	2.0	"	"	--	"	94.6%	(60-140)	33.8%	"	"	R2
Toluene	"	4.0	0.01	0.10	"	"	--	"	99.0%	(75-125)	0.227%	"	"	
o-Xylene	"	4.2	0.02	0.10	"	"	--	"	105%	"	1.01%	"	"	
m,p-Xylene	"	8.4	0.02	0.20	"	"	--	8.00	105%	"	0.498%	"	"	
Xylenes (total)	"	13	0.03	0.30	"	"	--	12.0	105%	"	0.00%	"	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I23008 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (8I23008-BSD1)							**Extracted: 09/23/08 17:23**							
Surrogate(s): *1,2-DCA-d4*		*Recovery:* *102%*			*Limits:* *75-125%*	"							*09/23/08 19:12*	
Toluene-d8		*104%*			*75-125%*	"							"	
4-BFB		*99.9%*			*75-125%*	"							"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I18030 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I18030-BLK1)									**Extracted: 09/18/08 13:35**					
Benzo (a) anthracene	EPA 8270C-SIM	ND	---	0.0100	mg/kg wet	1x	---	---	---	---	---	---	09/19/08 15:10	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Chrysene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 121%*			*Limits: 50-147%*	"							*09/19/08 15:10*	
Blank (8I18030-BLK2)									**Extracted: 09/18/08 13:35**					
Acenaphthene	EPA 8270C-SIM	ND	---	0.0100	mg/kg wet	1x	---	---	---	---	---	---	09/22/08 09:11	
Acenaphthylene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Chrysene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Fluorene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Naphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Phenanthrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 100%*			*Limits: 50-147%*	"							*09/22/08 09:11*	

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Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I18030 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8I18030-BS1)									Extracted: 09/18/08 13:35					
Acenaphthene	EPA 8270C-SIM	0.679	---	0.0100	mg/kg wet	1x	--	0.667	102%	(70-125)	--	--	09/19/08 15:36	
Acenaphthylene	"	0.757	---	0.0100	"	"	--	"	114%	(70-133)	--	--	"	
Anthracene	"	0.822	---	0.0100	"	"	--	"	123%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.733	---	0.0100	"	"	--	"	110%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.748	---	0.0100	"	"	--	"	112%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.808	---	0.0100	"	"	--	"	121%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.767	---	0.0100	"	"	--	"	115%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.655	---	0.0100	"	"	--	"	98.2%	(57-137)	--	--	"	
Chrysene	"	0.789	---	0.0100	"	"	--	"	118%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.607	---	0.0100	"	"	--	"	91.1%	(56-140)	--	--	"	
Fluoranthene	"	0.729	---	0.0100	"	"	--	"	109%	(70-141)	--	--	"	
Fluorene	"	0.703	---	0.0100	"	"	--	"	105%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.613	---	0.0100	"	"	--	"	91.9%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.514	---	0.0100	"	"	--	"	77.1%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.468	---	0.0100	"	"	--	"	70.2%	(41-125)	--	--	"	
Naphthalene	"	0.519	---	0.0100	"	"	--	"	77.8%	(43-125)	--	--	"	
Phenanthrene	"	0.817	---	0.0100	"	"	--	"	123%	(73-125)	--	--	"	
Pyrene	"	0.682	---	0.0100	"	"	--	"	102%	(68-140)	--	--	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 112%*			*Limits: 50-147%*	"							*09/19/08 15:36*	
LCS (8I18030-BS2)									Extracted: 09/18/08 13:35					
Acenaphthene	EPA 8270C-SIM	0.713	---	0.0100	mg/kg wet	1x	--	0.667	107%	(70-125)	--	--	09/22/08 09:44	
Acenaphthylene	"	0.597	---	0.0100	"	"	--	"	89.6%	(70-133)	--	--	"	
Anthracene	"	0.752	---	0.0100	"	"	--	"	113%	(70-152)	--	--	"	
Benzo (a) anthracene	"	0.634	---	0.0100	"	"	--	"	95.1%	(60-125)	--	--	"	
Benzo (a) pyrene	"	0.741	---	0.0100	"	"	--	"	111%	(64-134)	--	--	"	
Benzo (b) fluoranthene	"	0.728	---	0.0100	"	"	--	"	109%	(62-147)	--	--	"	
Benzo (k) fluoranthene	"	0.671	---	0.0100	"	"	--	"	101%	(60-144)	--	--	"	
Benzo (ghi) perylene	"	0.633	---	0.0100	"	"	--	"	94.9%	(57-137)	--	--	"	
Chrysene	"	0.716	---	0.0100	"	"	--	"	107%	(70-139)	--	--	"	
Dibenz (a,h) anthracene	"	0.647	---	0.0100	"	"	--	"	97.1%	(56-140)	--	--	"	
Fluoranthene	"	0.717	---	0.0100	"	"	--	"	108%	(70-141)	--	--	"	
Fluorene	"	0.684	---	0.0100	"	"	--	"	103%	(76-132)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.626	---	0.0100	"	"	--	"	94.0%	(55-138)	--	--	"	
1-Methylnaphthalene	"	0.699	---	0.0100	"	"	--	"	105%	(46-128)	--	--	"	
2-Methylnaphthalene	"	0.658	---	0.0100	"	"	--	"	98.7%	(41-125)	--	--	"	
Naphthalene	"	0.651	---	0.0100	"	"	--	"	97.6%	(43-125)	--	--	"	
Phenanthrene	"	0.702	---	0.0100	"	"	--	"	105%	(73-125)	--	--	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I18030 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8I18030-BS2)								**Extracted: 09/18/08 13:35**						
Pyrene	EPA 8270C-SIM	0.696	---	0.0100	mg/kg wet	1x	--	0.667	104%	(68-140)	--	--	09/22/08 09:44	
Surrogate(s): p-Terphenyl-d14		*Recovery: 91.1%*			*Limits: 50-147%*	"							*09/22/08 09:44*	
Matrix Spike (8I18030-MS1)					**QC Source: BRI0263-04**			**Extracted: 09/18/08 13:35**						
Acenaphthene	EPA 8270C-SIM	0.686	---	0.0524	mg/kg dry	5x	ND	0.699	98.1%	(67-132)	--	--	09/19/08 16:02	
Acenaphthylene	"	0.774	---	0.0524	"	"	ND	"	111%	(65-142)	--	--	"	
Anthracene	"	0.807	---	0.0524	"	"	ND	"	115%	(66-158)	--	--	"	
Benzo (a) anthracene	"	0.742	---	0.0524	"	"	0.00517	"	105%	(41-156)	--	--	"	
Benzo (a) pyrene	"	0.796	---	0.0524	"	"	0.0203	"	111%	(52-148)	--	--	"	
Benzo (b) fluoranthene	"	0.748	---	0.0524	"	"	0.0222	"	104%	(53-151)	--	--	"	
Benzo (k) fluoranthene	"	0.788	---	0.0524	"	"	0.00392	"	112%	(46-161)	--	--	"	
Benzo (ghi) perylene	"	0.750	---	0.0524	"	"	0.00937	"	106%	(26-154)	--	--	"	
Chrysene	"	0.825	---	0.0524	"	"	ND	"	118%	(55-155)	--	--	"	
Dibenz (a,h) anthracene	"	0.636	---	0.0524	"	"	ND	"	91.0%	(27-157)	--	--	"	
Fluoranthene	"	0.750	---	0.0524	"	"	0.00783	"	106%	(46-172)	--	--	"	
Fluorene	"	0.727	---	0.0524	"	"	ND	"	104%	(66-143)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	0.650	---	0.0524	"	"	0.00322	"	92.5%	(24-159)	--	--	"	
1-Methylnaphthalene	"	0.634	---	0.0524	"	"	ND	"	90.7%	(39-140)	--	--	"	
2-Methylnaphthalene	"	0.563	---	0.0524	"	"	0.00196	"	80.3%	(32-139)	--	--	"	
Naphthalene	"	0.599	---	0.0524	"	"	ND	"	85.6%	(38-134)	--	--	"	
Phenanthrene	"	0.786	---	0.0524	"	"	ND	"	112%	(63-139)	--	--	"	
Pyrene	"	0.735	---	0.0524	"	"	0.0122	"	103%	(51-172)	--	--	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 100%*			*Limits: 50-147%*	"							*09/19/08 16:02*	
Matrix Spike Dup (8I18030-MSD1)					**QC Source: BRI0263-04**			**Extracted: 09/18/08 13:35**						
Benzo (a) anthracene	EPA 8270C-SIM	0.707	---	0.0524	mg/kg dry	5x	0.00517	0.699	100%	(41-156)	4.87%	(50)	09/19/08 16:29	
Benzo (a) pyrene	"	0.764	---	0.0524	"	"	0.0203	"	106%	(52-148)	4.13%	"	"	
Benzo (b) fluoranthene	"	0.699	---	0.0524	"	"	0.0222	"	96.7%	(53-151)	6.77%	"	"	
Benzo (k) fluoranthene	"	0.754	---	0.0524	"	"	0.00392	"	107%	(46-161)	4.35%	"	"	
Chrysene	"	0.792	---	0.0524	"	"	ND	"	113%	(55-155)	4.02%	(44)	"	
Dibenz (a,h) anthracene	"	0.639	---	0.0524	"	"	ND	"	91.4%	(27-157)	0.494%	(50)	"	
Indeno (1,2,3-cd) pyrene	"	0.657	---	0.0524	"	"	0.00322	"	93.5%	(24-159)	1.02%	(43)	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 96.5%*			*Limits: 50-147%*	"							*09/19/08 16:29*	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results
TestAmerica Seattle

QC Batch: 8I18035 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I18035-BLK1)							**Extracted: 09/18/08 13:44**							
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	---	---	---	---	---	---	09/19/08 00:00	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Nashville

QC Batch: 8093474 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8093474-BLK1)													**Extracted: 09/22/08 09:22**	
Benzene	SW846 1311/8260B	ND	---	0.00100	mg/L	0.1x	---	---	---	---	---	---	09/22/08 14:29	
2-Butanone	"	ND	---	0.0250	"	"	---	---	---	---	---	---	"	
Carbon Tetrachloride	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Chlorobenzene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Chloroform	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
1,2-Dichloroethane	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
1,1-Dichloroethene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Tetrachloroethene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Trichloroethene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Vinyl chloride	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Surrogate(s):	*1,2-Dichloroethane-d4*	*Recovery:*	*102%*		*Limits:*	*60-140%*	"						*09/22/08 14:29*	
	Dibromofluoromethane		*99%*			*75-124%*	"						"	
	Toluene-d8		*106%*			*78-121%*	"						"	
	4-Bromofluorobenzene		*103%*			*79-124%*	"						"	
Blank (8093474-BLK2)													**Extracted: 09/22/08 09:22**	
Benzene	SW846 1311/8260B	ND	---	0.00100	mg/L	0.1x	---	---	---	---	---	---	09/22/08 14:55	
2-Butanone	"	ND	---	0.0250	"	"	---	---	---	---	---	---	"	
Carbon Tetrachloride	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Chlorobenzene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Chloroform	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
1,2-Dichloroethane	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
1,1-Dichloroethene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Tetrachloroethene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Trichloroethene	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Vinyl chloride	"	ND	---	0.00100	"	"	---	---	---	---	---	---	"	
Surrogate(s):	*1,2-Dichloroethane-d4*	*Recovery:*	*106%*		*Limits:*	*60-140%*	"						*09/22/08 14:55*	
	Dibromofluoromethane		*101%*			*75-124%*	"						"	
	Toluene-d8		*105%*			*78-121%*	"						"	
	4-Bromofluorobenzene		*101%*			*79-124%*	"						"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01
Redmond, WA/USA 98073	Project Manager:	Scott Manning
		Report Created: 10/23/08 12:27

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Nashville

QC Batch: 8093474 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8093474-BS1)							**Extracted: 09/22/08 09:22**							
Benzene	SW846 1311/8260B	47.7	---		ug/L	0.1x	--	50.0	95%	(76-129)	--	--	09/22/08 10:42	
2-Butanone	"	288	---		"	"	--	250	115%	(63-138)	--	--	"	
Carbon Tetrachloride	"	49.3	---		"	"	--	50.0	99%	(56-150)	--	--	"	
Chlorobenzene	"	49.6	---		"	"	--	"	99%	(80-120)	--	--	"	
Chloroform	"	48.5	---		"	"	--	"	97%	(78-138)	--	--	"	
1,2-Dichloroethane	"	49.7	---		"	"	--	"	99%	(70-135)	--	--	"	
1,1-Dichloroethene	"	50.4	---		"	"	--	"	101%	(77-137)	--	--	"	
Tetrachloroethene	"	43.8	---		"	"	--	"	88%	(83-126)	--	--	"	
Trichloroethene	"	47.7	---		"	"	--	"	95%	(78-137)	--	--	"	
Vinyl chloride	"	45.4	---		"	"	--	"	91%	(62-124)	--	--	"	
Surrogate(s):	*1,2-Dichloroethane-d4*	*Recovery:*	*114%*		*Limits: 60-140%*	"							*09/22/08 10:42*	
	Dibromofluoromethane		*102%*		*75-124%*	"							"	
	Toluene-d8		*103%*		*78-121%*	"							"	
	4-Bromofluorobenzene		*102%*		*79-124%*	"							"	
LCS Dup (8093474-BSD1)							**Extracted: 09/22/08 09:22**							
Benzene	SW846 1311/8260B	48.7	---		ug/L	0.1x	--	50.0	97%	(76-129)	2%	(50)	09/22/08 11:07	
2-Butanone	"	278	---		"	"	--	250	111%	(63-138)	3%	"	"	
Carbon Tetrachloride	"	52.0	---		"	"	--	50.0	104%	(56-150)	5%	"	"	
Chlorobenzene	"	52.3	---		"	"	--	"	105%	(80-120)	5%	"	"	
Chloroform	"	49.5	---		"	"	--	"	99%	(78-138)	2%	"	"	
1,2-Dichloroethane	"	49.1	---		"	"	--	"	98%	(70-135)	1%	"	"	
1,1-Dichloroethene	"	50.6	---		"	"	--	"	101%	(77-137)	0.5%	"	"	
Tetrachloroethene	"	47.4	---		"	"	--	"	95%	(83-126)	8%	"	"	
Trichloroethene	"	50.2	---		"	"	--	"	100%	(78-137)	5%	"	"	
Vinyl chloride	"	44.6	---		"	"	--	"	89%	(62-124)	2%	"	"	
Surrogate(s):	*1,2-Dichloroethane-d4*	*Recovery:*	*112%*		*Limits: 60-140%*	"							*09/22/08 11:07*	
	Dibromofluoromethane		*99%*		*75-124%*	"							"	
	Toluene-d8		*105%*		*78-121%*	"							"	
	4-Bromofluorobenzene		*103%*		*79-124%*	"							"	

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PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Laboratory Quality Control Results

TestAmerica Nashville

QC Batch: 8093474 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike (8093474-MS1)					QC Source: BRI0262-05			Extracted: 09/22/08 09:22						
Benzene	SW846 1311/8260B	54.0	---		ug/L	0.1x	ND	50.0	108%	(18-167)	--	--	09/22/08 19:27	
2-Butanone	"	293	---		"	"	ND	250	117%	(10-160)	--	--	"	
Carbon Tetrachloride	"	58.8	---		"	"	ND	50.0	118%	(10-189)	--	--	"	
Chlorobenzene	"	56.8	---		"	"	ND	"	114%	(23-160)	--	--	"	
Chloroform	"	54.7	---		"	"	ND	"	109%	(17-175)	--	--	"	
1,2-Dichloroethane	"	54.3	---		"	"	ND	"	109%	(14-151)	--	--	"	
1,1-Dichloroethene	"	58.6	---		"	"	ND	"	117%	(10-185)	--	--	"	
Tetrachloroethene	"	55.5	---		"	"	ND	"	111%	(16-170)	--	--	"	
Trichloroethene	"	55.0	---		"	"	ND	"	110%	(10-192)	--	--	"	
Vinyl chloride	"	52.7	---		"	"	ND	"	105%	(10-171)	--	--	"	
Surrogate(s): 1,2-Dichloroethane-d4		*Recovery:*	*101%*		*Limits: 60-140%*	"							*09/22/08 19:27*	
Dibromofluoromethane			*98%*		*75-124%*	"							"	
Toluene-d8			*104%*		*78-121%*	"							"	
4-Bromofluorobenzene			*104%*		*79-124%*	"							"	
Matrix Spike Dup (8093474-MSD1)					QC Source: BRI0262-05			Extracted: 09/22/08 09:22						
Benzene	SW846 1311/8260B	52.6	---		ug/L	0.1x	ND	50.0	105%	(18-167)	3%	(50)	09/22/08 19:53	
2-Butanone	"	278	---		"	"	ND	250	111%	(10-160)	5%	"	"	
Carbon Tetrachloride	"	58.3	---		"	"	ND	50.0	117%	(10-189)	0.9%	"	"	
Chlorobenzene	"	54.4	---		"	"	ND	"	109%	(23-160)	4%	"	"	
Chloroform	"	53.5	---		"	"	ND	"	107%	(17-175)	2%	"	"	
1,2-Dichloroethane	"	52.3	---		"	"	ND	"	105%	(14-151)	4%	"	"	
1,1-Dichloroethene	"	57.4	---		"	"	ND	"	115%	(10-185)	2%	"	"	
Tetrachloroethene	"	52.5	---		"	"	ND	"	105%	(16-170)	6%	"	"	
Trichloroethene	"	53.1	---		"	"	ND	"	106%	(10-192)	4%	"	"	
Vinyl chloride	"	47.8	---		"	"	ND	"	96%	(10-171)	10%	"	"	
Surrogate(s): 1,2-Dichloroethane-d4		*Recovery:*	*102%*		*Limits: 60-140%*	"							*09/22/08 19:53*	
Dibromofluoromethane			*100%*		*75-124%*	"							"	
Toluene-d8			*102%*		*78-121%*	"							"	
4-Bromofluorobenzene			*102%*		*79-124%*	"							"	

TestAmerica Seattle

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

CERTIFICATION SUMMARY

TestAmerica Seattle

Method	Matrix	Nelac	Washington
BSOPSPL003R08	Soil		
EPA 1311	Soil	N/A	N/A
EPA 6010B	Soil	X	X
EPA 6020	Soil	X	X
EPA 7471A	Soil	X	X
EPA 8260B	Soil	X	X
EPA 8270C-SIM	Soil	X	X
NWTPH-Dx	Soil		X
NWTPH-Gx	Soil		X

Subcontracted Laboratories

TestAmerica Nashville NELAC Cert #E87358, Washington Cert #C1712

2960 Foster Creighton Drive - Nashville, TN 37204

Method Performed: SW846 1311/8260B

Samples: BRI0262-05, BRI0262-06, BRI0262-07, BRI0262-08, BRI0262-09

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Temperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC).

TestAmerica Seattle

Kate Haney, Project Manager

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PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

Notes and Definitions

Report Specific Notes:

C	-	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C5	-	Calibration Verification recovery was below the method control limit for this analyte. An additional check standard was analyzed at the reporting limit to ensure instrument sensitivity at the reporting limit. Samples ND.
J	-	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	-	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
Q1	-	Does not match typical pattern
Q4	-	The hydrocarbons present are a complex mixture of diesel range and heavy oil range organics.
Q6	-	Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
Q9	-	Hydrocarbon pattern most closely resembles Kerosene.
R2	-	The RPD exceeded the acceptance limit.
R3	-	The RPD exceeded the acceptance limit due to sample matrix effects.
R4	-	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
R7	-	LCS/LCSD RPD exceeded the method control limit. Recovery met acceptance criteria.
RL1	-	Reporting limit raised due to sample matrix effects.
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

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.

TestAmerica Seattle

Kate Haney, Project Manager

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BOTHELL, WA 98011-8244
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	01CP.05353.01	Report Created:
Redmond, WA/USA 98073	Project Manager:	Scott Manning	10/23/08 12:27

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

Kate Haney, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: BRI0262

CLIENT: STANTEC

REPORT TO: SCOTT MANNING

ADDRESS: 12034 134TH CT REDMOND, WA

PHONE: 425 392 1670 FAX:

INVOICE TO: ~~SCOTT MANNING~~ SANDRA MATTHEWS-APPROVER ID AKEND CONOCOPHILLIPS COMPANY ACCOUNTS PAYABLE PO BOX 2200 BARTLESVILLE, OK 74005

P.O. NUMBER: 5353

PROJECT NAME: WESTLAKE-MERCER

PROJECT NUMBER: OKP.05353.01

SAMPLED BY: SM

TURNAROUND REQUEST in Business Days*

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

Petroleum Hydrocarbon Analyses: ~~5~~ (STD.) 4 3 2 1 <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE / REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-GX	NWTPH-DX	BTEX/MTBE	EDB/EDC	cPAH	NAPHTHALENE	TOTAL LEAD	RCRA 8	TCLP LEAD	TCLP BENZENE				MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	~~NET~~ ESW-10	09-16-08 / 1450	X	X	X	X	X	X	X							S	4		-01
2	NET-11	09-16-08 / 1455	X	X	X	X	X	X	X							S	4		-02
3	NWT-11	09-16-08 / 1510	X	X	X	X	X	X	X							S	4		-03
4	NSW-6	09-16-08 / 1515	X	X	X	X	X	X	X							S	4		-04
5	SP-1	09-16-08 / 1600	X	X	X	X	X	X	X	X	X	X				S	5	RUSH TAT	-05
6	SP-2	09-16-08 / 1605	X	X	X	X	X	X	X	X	X	X				S	5	RUSH TAT	-06
7	SP-3	09-16-08 / 1610	X	X	X	X	X	X	X	X	X	X				S	5	RUSH TAT	-07
8	SP-4	09-16-08 / 1615	X	X	X	X	X	X	X	X	X	X				S	5	RUSH TAT	-08
9	SP-5	09-16-08 / 1620	X	X	X	X	X	X	X	X	X	X				S	5	RUSH TAT	-09
10	SET-11	09-16-08 / 1630	X	X	X	X	X	X	X							S	4		-10

RELEASED BY: Scott Manning DATE: 09-17-08
PRINT NAME: SCOTT MANNING FIRM: STANTEC TIME: 0930
RECEIVED BY: [signature] DATE: 9/17/08
PRINT NAME: B. Buck FIRM: TA-SEA TIME: 0930

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

ADDITIONAL REMARKS:

TEMP: 4.0° PAGE 1 OF 2

TAL-1000(0408)

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THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
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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 #: BRI0262

CLIENT: STANTEC

REPORT TO: SCOTT MANNING
ADDRESS: 12034 134 CT NE REDMOND, WA

PHONE: 425 372 1679 FAX:

INVOICE TO: ~~SCOTT MANNING~~
SANDY MATTHEWS - APPROVER TO AMEND
CONOCOPHILLIPS COMPANY, ACCOUNTS PAYABLE
PO BOX 2200 - BARTLESVILLE, OK 74005

P.O. NUMBER: 5353

PROJECT NAME: WESTLAKE-MERCER

PROJECT NUMBER: 01CP.05353.01

SAMPLED BY: SM

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	NWTPH-Dx	BTEX/MTBE	BTEX	cPAH	AMPHIBOLE	TOTAL (LEAD)	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	SSW-8	09-16-08 / 1635		X	X	X	X	X	X	X	S	4		-11
2	SWT-11	09-16-08 / 1750		X	X	X	X	X	X	X	S	4		-12
3	WSW-8	09-16-08 / 1755		X	X	X	X	X	X	X	S	4		-13
4														
5														
6														
7														
8														
9														
10														

RELEASED BY: Scott Manning
PRINT NAME: SCOTT MANNING FIRM: STANTEC DATE: 09-17-08 TIME: 0930

RECEIVED BY:
PRINT NAME: FIRM: TA-SEA DATE: 9/17/08 TIME: 0930

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

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

ADDITIONAL REMARKS:

TEMP: 4.0

PAGE 2 OF 2

TAL-1000(0408)

TAT: 5day

Paperwork to PM – Date:_____ Time:_____

Non-Conformances? Circle (Y) or N (If Y, see other side)

Page Time & Initials:_____

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)	**Logged-in By:**	**Unpacked/Labeled By:**	***Cooler ID:*** 335
Date: 9/17/08	Date: 09.17	Date: 9/18	Work Order No. BRI0262
Time: 0930	Time: 1336	Time: 12:40	Client: Stantec
Initials: SO	Initials: CW	Initials: CW	Project: _____

Container Type:
- ✓ Cooler
- ____ Box
- ____ None/Other _____

COC Seals:
- ____ Ship Container
- ____ On Bottles
- ✓ None
- _____ Sign By
- _____ Date

Packing Material:
- ✓ Bubble Bags
- ____ Styrofoam
- ____ Foam Packs
- ____ None/Other _____

Refrigerant:
- ____ Gel Ice Pack _____
- ✓ Loose Ice _____
- ____ None/Other _____

Received Via: Bill# _____
- ____ Fed Ex
- ✓ Client
- ____ UPS
- ____ TA Courier
- ____ DHL
- ____ Mid Valley
- ____ Senvoy
- ____ TDP
- ____ GS
- ____ Other _____

Cooler Temperature (*IR*): ____°C Plastic Glass (circle one) (Frozen filters, Tedlars and aqueous Metals exempt)

Temperature Blank? 4.0 °C or NA

Trip Blank? Y or (N) or NA

BP, OPLC,ARCO-Temperature monitoring every 15 minutes:
(initial/date/time):_____
Comments:_____

Sample Containers:		ID			ID
Intact?	(Y) or N	_____	Metals Preserved?	Y or N or (NA)	_____
Provided by TA?	(Y) or N	_____	Client QAPP Preserved?	Y or N or (NA)	_____
Correct Type?	(Y) or N	_____	Adequate Volume? (for tests requested)	(Y) or N	* Too much →
#Containers match COC?	(Y) or N	_____	Water VOAs: Headspace?	Y or N or (NA)	_____
IDs/time/date match COC?	(Y) or N	_____	Comments:		
Hold Times in hold?	(Y) or N	_____			

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems_____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y, ____/____ Date Time

PM Initials: _____ Date: _____ Time: _____

(rev 4, 01/24/07)

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THE LEADER IN ENVIRONMENTAL TESTING

SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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October 23, 2008

Katlin Hanson
Stantec
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)
Redmond, WA/USA 98073

RE: ConocoPhillips Westlake & Mercer

Enclosed are the results of analyses for samples received by the laboratory on 09/18/08 12:45. The following list is a summary of the Work Orders contained in this report, generated on 10/23/08 12:35.

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

Work Order	Project	ProjectNumber
BRI0295	ConocoPhillips Westlake & M	ConocoPhillips Westlake & M

TestAmerica Seattle

Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D-1	BRI0295-01	Soil	09/18/08 07:10	09/18/08 12:45
PL-1	BRI0295-02	Soil	09/18/08 07:15	09/18/08 12:45
D-2	BRI0295-03	Soil	09/18/08 07:20	09/18/08 12:45
PL-2	BRI0295-04	Soil	09/18/08 07:30	09/18/08 12:45
D-3	BRI0295-05	Soil	09/18/08 07:40	09/18/08 12:45
PL-4	BRI0295-06	Soil	09/18/08 08:30	09/18/08 12:45
PL-5	BRI0295-07	Soil	09/18/08 08:40	09/18/08 12:45
D-5	BRI0295-08	Soil	09/18/08 08:45	09/18/08 12:45
D-4	BRI0295-09	Soil	09/18/08 08:50	09/18/08 12:45
D-6	BRI0295-10	Soil	09/18/08 09:00	09/18/08 12:45
PL-6	BRI0295-11	Soil	09/18/08 09:05	09/18/08 12:45
D-7	BRI0295-12	Soil	09/18/08 09:15	09/18/08 12:45
PL-7	BRI0295-13	Soil	09/18/08 09:20	09/18/08 12:45
D-8	BRI0295-14	Soil	09/18/08 09:50	09/18/08 12:45
PL-8	BRI0295-15	Soil	09/18/08 09:55	09/18/08 12:45
D-9	BRI0295-16	Soil	09/18/08 10:00	09/18/08 12:45
PL-9	BRI0295-17	Soil	09/18/08 10:05	09/18/08 12:45
D-10	BRI0295-18	Soil	09/18/08 10:10	09/18/08 12:45

TestAmerica Seattle

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PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Petroleum Products by NWTPH-Gx

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-01 (D-1)		**Soil**			**Sampled: 09/18/08 07:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	6.01	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 17:01	
Surrogate(s): 4-BFB (FID)			*109%*		*50 - 150 %*	"			"	
BRI0295-02 (PL-1)		**Soil**			**Sampled: 09/18/08 07:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.95	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 18:06	
Surrogate(s): 4-BFB (FID)			*106%*		*50 - 150 %*	"			"	
BRI0295-03 (D-2)		**Soil**			**Sampled: 09/18/08 07:20**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.18	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 19:11	
Surrogate(s): 4-BFB (FID)			*113%*		*50 - 150 %*	"			"	
BRI0295-04 (PL-2)		**Soil**			**Sampled: 09/18/08 07:30**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.05	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 19:43	
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	
BRI0295-05 (D-3)		**Soil**			**Sampled: 09/18/08 07:40**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.66	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 21:53	
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	
BRI0295-06 (PL-4)		**Soil**			**Sampled: 09/18/08 08:30**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	6.20	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 22:25	
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	
BRI0295-07 (PL-5)		**Soil**			**Sampled: 09/18/08 08:40**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.54	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 22:57	
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	
BRI0295-08 (D-5)		**Soil**			**Sampled: 09/18/08 08:45**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.79	mg/kg dry	1x	8I23024	09/23/08 10:04	09/23/08 23:30	
Surrogate(s): 4-BFB (FID)			*107%*		*50 - 150 %*	"			"	

TestAmerica Seattle

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Petroleum Products by NWTPH-Gx

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-09 (D-4)		**Soil**			**Sampled: 09/18/08 08:50**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.78	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 00:02	
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	
BRI0295-10 (D-6)		**Soil**			**Sampled: 09/18/08 09:00**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**108**	-----	5.33	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 00:34	Q8
Surrogate(s): 4-BFB (FID)			*111%*		*50 - 150 %*	"			"	
BRI0295-11 (PL-6)		**Soil**			**Sampled: 09/18/08 09:05**					
Gasoline Range Hydrocarbons	NWTPH-Gx	**11.3**	-----	5.20	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 01:06	Q8
Surrogate(s): 4-BFB (FID)			*104%*		*50 - 150 %*	"			"	
BRI0295-12 (D-7)		**Soil**			**Sampled: 09/18/08 09:15**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.72	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 01:39	
Surrogate(s): 4-BFB (FID)			*109%*		*50 - 150 %*	"			"	
BRI0295-13 (PL-7)		**Soil**			**Sampled: 09/18/08 09:20**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.97	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 02:11	
Surrogate(s): 4-BFB (FID)			*108%*		*50 - 150 %*	"			"	
BRI0295-14 (D-8)		**Soil**			**Sampled: 09/18/08 09:50**					**P4**
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.90	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 02:44	
Surrogate(s): 4-BFB (FID)			*108%*		*50 - 150 %*	"			"	
BRI0295-15 (PL-8)		**Soil**			**Sampled: 09/18/08 09:55**					**P4**
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.38	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 04:21	
Surrogate(s): 4-BFB (FID)			*105%*		*50 - 150 %*	"			"	
BRI0295-16 (D-9)		**Soil**			**Sampled: 09/18/08 10:00**					**P4**
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.51	mg/kg dry	1x	8I23024	09/23/08 10:04	09/24/08 04:53	
Surrogate(s): 4-BFB (FID)			*106%*		*50 - 150 %*	"			"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Petroleum Products by NWTPH-Gx

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-17 (PL-9)		**Soil**			**Sampled: 09/18/08 10:05**					**P4**
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	5.31	mg/kg dry	1x	BI23024	09/23/08 10:04	09/24/08 05:25	
Surrogate(s): 4-BFB (FID)			*107%*		*50 - 150 %*	"			"	
BRI0295-18 (D-10)		**Soil**			**Sampled: 09/18/08 10:10**					
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	-----	4.57	mg/kg dry	1x	BI23024	09/23/08 10:04	09/24/08 05:57	
Surrogate(s): 4-BFB (FID)			*106%*		*50 - 150 %*	"			"	

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PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

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

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-01 (D-1)		**Soil**			**Sampled: 09/18/08 07:10**					
Lube Oil	NWTPH-Dx	**72.1**	-----	27.7	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 00:20	Q7
Diesel Range Hydrocarbons	"	**878**	-----	11.1	"	"	"	"	"	Q3
Surrogate(s): 2-FBP			*65.0%*		*54 - 148 %*	"			"	
Octacosane			*82.1%*		*62 - 142 %*	"			"	
BRI0295-01RE1 (D-1)		**Soil**			**Sampled: 09/18/08 07:10**					
Kerosene	NWTPH-Dx	**622**	-----	55.4	mg/kg dry	5x	8I22035	09/22/08 10:42	09/23/08 23:50	Q9
Surrogate(s): 2-FBP			*66.4%*		*54 - 148 %*	"			"	
Octacosane			*76.5%*		*62 - 142 %*	"			"	
BRI0295-02 (PL-1)		**Soil**			**Sampled: 09/18/08 07:15**					
Lube Oil	NWTPH-Dx	**27.9**	-----	26.5	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 00:41	
Kerosene	"	ND	-----	10.6	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	10.6	"	"	"	"	"	
Surrogate(s): 2-FBP			*62.8%*		*54 - 148 %*	"			"	
Octacosane			*74.8%*		*62 - 142 %*	"			"	
BRI0295-06 (PL-4)		**Soil**			**Sampled: 09/18/08 08:30**					
Lube Oil	NWTPH-Dx	**33.3**	-----	26.0	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 01:02	
Kerosene	"	ND	-----	10.4	"	"	"	"	"	
Diesel Range Hydrocarbons	"	**15.0**	-----	10.4	"	"	"	"	"	Q11
Surrogate(s): 2-FBP			*69.2%*		*54 - 148 %*	"			"	
Octacosane			*77.9%*		*62 - 142 %*	"			"	
BRI0295-07 (PL-5)		**Soil**			**Sampled: 09/18/08 08:40**					
Lube Oil	NWTPH-Dx	ND	-----	26.0	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 01:23	
Kerosene	"	**22.1**	-----	10.4	"	"	"	"	"	Q8
Diesel Range Hydrocarbons	"	**29.9**	-----	10.4	"	"	"	"	"	Q11
Surrogate(s): 2-FBP			*66.2%*		*54 - 148 %*	"			"	
Octacosane			*74.7%*		*62 - 142 %*	"			"	

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Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

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

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-10 (D-6)		Soil			Sampled: 09/18/08 09:00					
Lube Oil	NWTPH-Dx	**139**	-----	25.6	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 01:44	Q7
Surrogate(s): 2-FBP			*104%*		*54 - 148 %*	"			"	
Octacosane			*94.8%*		*62 - 142 %*	"			"	
BRI0295-10RE1 (D-6)		Soil			Sampled: 09/18/08 09:00					
Kerosene	NWTPH-Dx	**3330**	-----	204	mg/kg dry	20x	8I22035	09/22/08 10:42	09/24/08 00:11	Q9
Diesel Range Hydrocarbons	"	**4300**	-----	204	"	"	"	"	"	Q9
Surrogate(s): 2-FBP			*77.2%*		*54 - 148 %*	"			"	
Octacosane			*80.2%*		*62 - 142 %*	"			"	
BRI0295-11 (PL-6)		Soil			Sampled: 09/18/08 09:05					
Lube Oil	NWTPH-Dx	**34.3**	-----	25.4	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 03:29	Q7
Diesel Range Hydrocarbons	"	**609**	-----	10.1	"	"	"	"	"	Q3
Surrogate(s): 2-FBP			*68.4%*		*54 - 148 %*	"			"	
Octacosane			*87.4%*		*62 - 142 %*	"			"	
BRI0295-11RE1 (PL-6)		Soil			Sampled: 09/18/08 09:05					
Kerosene	NWTPH-Dx	**438**	-----	50.7	mg/kg dry	5x	8I22035	09/22/08 10:42	09/24/08 08:22	Q9
Surrogate(s): 2-FBP			*73.4%*		*54 - 148 %*	"			"	
Octacosane			*87.8%*		*62 - 142 %*	"			"	
BRI0295-17 (PL-9)		Soil			Sampled: 09/18/08 10:05					
Lube Oil	NWTPH-Dx	ND	-----	26.3	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 03:50	
Kerosene	"	ND	-----	10.5	"	"	"	"	"	
Diesel Range Hydrocarbons	"	ND	-----	10.5	"	"	"	"	"	
Surrogate(s): 2-FBP			*62.4%*		*54 - 148 %*	"			"	
Octacosane			*79.6%*		*62 - 142 %*	"			"	
BRI0295-18 (D-10)		Soil			Sampled: 09/18/08 10:10					
Lube Oil	NWTPH-Dx	**42.9**	-----	26.0	mg/kg dry	1x	8I22035	09/22/08 10:42	09/23/08 04:11	
Kerosene	"	**21.4**	-----	10.4	"	"	"	"	"	Q8
Diesel Range Hydrocarbons	"	**35.5**	-----	10.4	"	"	"	"	"	Q11
Surrogate(s): 2-FBP			*66.6%*		*54 - 148 %*	"			"	
Octacosane			*79.4%*		*62 - 142 %*	"			"	

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Total Metals by EPA 6000/7000 Series Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-01 (D-1)		**Soil**			**Sampled: 09/18/08 07:10**					
Lead	EPA 6020	14.9	-----	0.554	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 20:44	
BRI0295-02 (PL-1)		**Soil**			**Sampled: 09/18/08 07:15**					
Lead	EPA 6020	15.5	-----	0.517	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 20:50	
BRI0295-03 (D-2)		**Soil**			**Sampled: 09/18/08 07:20**					
Lead	EPA 6020	3.75	-----	0.534	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 20:56	
BRI0295-04 (PL-2)		**Soil**			**Sampled: 09/18/08 07:30**					
Lead	EPA 6020	14.1	-----	0.504	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 21:20	
BRI0295-05 (D-3)		**Soil**			**Sampled: 09/18/08 07:40**					
Lead	EPA 6020	13.8	-----	0.523	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 21:26	
BRI0295-06 (PL-4)		**Soil**			**Sampled: 09/18/08 08:30**					
Lead	EPA 6020	15.7	-----	0.536	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 00:18	
BRI0295-07 (PL-5)		**Soil**			**Sampled: 09/18/08 08:40**					
Lead	EPA 6020	11.3	-----	0.514	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 00:25	
BRI0295-08 (D-5)		**Soil**			**Sampled: 09/18/08 08:45**					
Lead	EPA 6020	8.61	-----	0.538	mg/kg dry	1x	8I23062	09/23/08 21:58	09/25/08 00:31	
BRI0295-09 (D-4)		**Soil**			**Sampled: 09/18/08 08:50**					
Lead	EPA 6020	17.0	-----	0.532	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 01:13	
BRI0295-10 (D-6)		**Soil**			**Sampled: 09/18/08 09:00**					
Lead	EPA 6020	4.68	-----	0.513	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 05:29	
BRI0295-11 (PL-6)		**Soil**			**Sampled: 09/18/08 09:05**					
Lead	EPA 6020	2.04	-----	0.524	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 05:35	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Total Metals by EPA 6000/7000 Series Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-12 (D-7)		**Soil**			**Sampled: 09/18/08 09:15**					
Lead	EPA 6020	**6.44**	-----	0.562	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 05:41	
BRI0295-13 (PL-7)		**Soil**			**Sampled: 09/18/08 09:20**					
Lead	EPA 6020	**10.7**	-----	0.532	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 05:47	
BRI0295-14 (D-8)		**Soil**			**Sampled: 09/18/08 09:50**					
Lead	EPA 6020	**11.0**	-----	0.533	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 05:53	
BRI0295-15 (PL-8)		**Soil**			**Sampled: 09/18/08 09:55**					
Lead	EPA 6020	**14.1**	-----	0.543	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 05:59	
BRI0295-16 (D-9)		**Soil**			**Sampled: 09/18/08 10:00**					
Lead	EPA 6020	**7.86**	-----	0.548	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 06:05	
BRI0295-17 (PL-9)		**Soil**			**Sampled: 09/18/08 10:05**					
Lead	EPA 6020	**5.43**	-----	0.551	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 06:11	
BRI0295-18 (D-10)		**Soil**			**Sampled: 09/18/08 10:10**					
Lead	EPA 6020	**7.80**	-----	0.539	mg/kg dry	1x	8I23069	09/23/08 22:02	09/25/08 06:17	

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Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-02 (PL-1)		**Soil**			**Sampled: 09/18/08 07:15**					
Benzene	EPA 8260B	ND	*0.000123*	0.00115	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 16:54	
1,2-Dibromoethane (EDB)	"	ND	*0.000299*	0.00383	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000230*	0.000958	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000123*	0.00307	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000245*	0.000766	"	"	"	"	"	
Toluene	"	ND	*0.0000920*	0.00115	"	"	"	"	"	
Total Xylenes	"	**0.00203**	*0.000268*	0.00766	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*127%*		*60 - 140 %*	"			"	
Toluene-d8			*101%*		*60 - 140 %*	"			"	
4-BFB			*108%*		*60 - 140 %*	"			"	
BRI0295-03 (D-2)		**Soil**			**Sampled: 09/18/08 07:20**					
Benzene	EPA 8260B	ND	*0.000118*	0.00111	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 17:21	
1,2-Dibromoethane (EDB)	"	ND	*0.000288*	0.00369	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000222*	0.000924	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000118*	0.00296	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000236*	0.000739	"	"	"	"	"	
Toluene	"	ND	*0.0000887*	0.00111	"	"	"	"	"	
Total Xylenes	"	**0.00106**	*0.000259*	0.00739	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*110%*		*60 - 140 %*	"			"	
Toluene-d8			*99.8%*		*60 - 140 %*	"			"	
4-BFB			*105%*		*60 - 140 %*	"			"	
BRI0295-04 (PL-2)		**Soil**			**Sampled: 09/18/08 07:30**					
Benzene	EPA 8260B	ND	*0.000122*	0.00114	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 17:48	
1,2-Dibromoethane (EDB)	"	ND	*0.000297*	0.00380	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000228*	0.000951	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000122*	0.00304	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000243*	0.000760	"	"	"	"	"	
Toluene	"	ND	*0.0000913*	0.00114	"	"	"	"	"	
Total Xylenes	"	**0.00101**	*0.000266*	0.00760	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*122%*		*60 - 140 %*	"			"	
Toluene-d8			*101%*		*60 - 140 %*	"			"	
4-BFB			*106%*		*60 - 140 %*	"			"	

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Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

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Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-06 (PL-4)		**Soil**			**Sampled: 09/18/08 08:30**					
Benzene	EPA 8260B	**0.000492**	*0.000131*	0.00123	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 18:42	J
1,2-Dibromoethane (EDB)	"	ND	*0.000320*	0.00410	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000246*	0.00102	"	"	"	"	"	
Ethylbenzene	"	**0.00125**	*0.000131*	0.00328	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.000262*	0.000819	"	"	"	"	"	
Toluene	"	**0.00329**	*0.0000983*	0.00123	"	"	"	"	"	
Total Xylenes	"	**0.0130**	*0.000287*	0.00819	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*121%*		*60 - 140 %*	"			"	
Toluene-d8			*99.7%*		*60 - 140 %*	"			"	
4-BFB			*103%*		*60 - 140 %*	"			"	
BRI0295-07 (PL-5)		**Soil**			**Sampled: 09/18/08 08:40**					
Benzene	EPA 8260B	ND	*0.000165*	0.00155	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 19:09	
1,2-Dibromoethane (EDB)	"	ND	*0.000402*	0.00516	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000309*	0.00129	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000165*	0.00412	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000330*	0.00103	"	"	"	"	"	
Toluene	"	**0.000825**	*0.000124*	0.00155	"	"	"	"	"	J
Total Xylenes	"	**0.00240**	*0.000361*	0.0103	"	"	"	"	"	J
Surrogate(s): 1,2-DCA-d4			*121%*		*60 - 140 %*	"			"	
Toluene-d8			*98.5%*		*60 - 140 %*	"			"	
4-BFB			*107%*		*60 - 140 %*	"			"	
BRI0295-08 (D-5)		**Soil**			**Sampled: 09/18/08 08:45**					
Benzene	EPA 8260B	ND	*0.000164*	0.00154	mg/kg dry	1x	8I25017	09/25/08 07:43	09/25/08 19:36	
1,2-Dibromoethane (EDB)	"	ND	*0.000401*	0.00514	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000308*	0.00128	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000164*	0.00411	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000329*	0.00103	"	"	"	"	"	
Toluene	"	ND	*0.000123*	0.00154	"	"	"	"	"	
Total Xylenes	"	**0.00105**	*0.000360*	0.0103	"	"	"	"	"	J
Surrogate(s): 1,2-DCA-d4			*120%*		*60 - 140 %*	"			"	
Toluene-d8			*88.4%*		*60 - 140 %*	"			"	
4-BFB			*103%*		*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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

Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-09 (D-4)		**Soil**			**Sampled: 09/18/08 08:50**					
Benzene	EPA 8260B	**0.00105**	*0.000115*	0.00107	mg/kg dry	1x	8I25065	09/25/08 07:43	09/25/08 22:46	J
1,2-Dibromoethane (EDB)	"	ND	*0.000279*	0.00358	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000213*	0.000895	"	"	"	"	"	
Ethylbenzene	"	**0.00112**	*0.000115*	0.00286	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.000229*	0.000716	"	"	"	"	"	
Toluene	"	**0.00399**	*0.0000859*	0.00107	"	"	"	"	"	
Total Xylenes	"	**0.00923**	*0.000251*	0.00716	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*127%*		*60 - 140 %*	"			"	
Toluene-d8			*98.2%*		*60 - 140 %*	"			"	
4-BFB			*102%*		*60 - 140 %*	"			"	
BRI0295-10 (D-6)		**Soil**			**Sampled: 09/18/08 09:00**					
Benzene	EPA 8260B	ND	*0.000110*	0.00103	mg/kg dry	1x	8I25065	09/25/08 07:43	09/25/08 23:13	
1,2-Dibromoethane (EDB)	"	ND	*0.000268*	0.00344	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000206*	0.000859	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000110*	0.00275	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000220*	0.000688	"	"	"	"	"	
Toluene	"	ND	*0.0000825*	0.00103	"	"	"	"	"	
Total Xylenes	"	**0.00158**	*0.000241*	0.00688	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*164%*		*60 - 140 %*	"			"	ZX
Toluene-d8			*106%*		*60 - 140 %*	"			"	
4-BFB			*138%*		*60 - 140 %*	"			"	
BRI0295-12 (D-7)		**Soil**			**Sampled: 09/18/08 09:15**					
Benzene	EPA 8260B	ND	*0.000114*	0.00106	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 00:07	
1,2-Dibromoethane (EDB)	"	ND	*0.000277*	0.00355	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000213*	0.000887	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000114*	0.00284	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000227*	0.000709	"	"	"	"	"	
Toluene	"	ND	*0.0000851*	0.00106	"	"	"	"	"	
Total Xylenes	"	**0.000972**	*0.000248*	0.00709	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*128%*		*60 - 140 %*	"			"	
Toluene-d8			*95.5%*		*60 - 140 %*	"			"	
4-BFB			*104%*		*60 - 140 %*	"			"	

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-13 (PL-7)		**Soil**			**Sampled: 09/18/08 09:20**					
Benzene	EPA 8260B	ND	*0.0000883*	0.000828	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 00:34	
1,2-Dibromoethane (EDB)	"	ND	*0.000215*	0.00276	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000166*	0.000690	"	"	"	"	"	
Ethylbenzene	"	**0.000353**	*0.0000883*	0.00221	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.000177*	0.000552	"	"	"	"	"	
Toluene	"	**0.000392**	*0.0000663*	0.000828	"	"	"	"	"	J
Total Xylenes	"	**0.00653**	*0.000193*	0.00552	"	"	"	"	"	
Surrogate(s): *1,2-DCA-d4*			*129%*		*60 - 140 %*	"			"	
Toluene-d8			*102%*		*60 - 140 %*	"			"	
4-BFB			*113%*		*60 - 140 %*	"			"	
BRI0295-14 (D-8)		**Soil**			**Sampled: 09/18/08 09:50**					
Benzene	EPA 8260B	ND	*0.000130*	0.00122	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 01:01	
1,2-Dibromoethane (EDB)	"	ND	*0.000318*	0.00408	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000245*	0.00102	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000130*	0.00326	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000261*	0.000815	"	"	"	"	"	
Toluene	"	ND	*0.0000978*	0.00122	"	"	"	"	"	
Total Xylenes	"	**0.00179**	*0.000285*	0.00815	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*126%*		*60 - 140 %*	"			"	
Toluene-d8			*85.2%*		*60 - 140 %*	"			"	
4-BFB			*115%*		*60 - 140 %*	"			"	
BRI0295-15 (PL-8)		**Soil**			**Sampled: 09/18/08 09:55**					
Benzene	EPA 8260B	ND	*0.000133*	0.00125	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 01:28	
1,2-Dibromoethane (EDB)	"	ND	*0.000325*	0.00416	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000250*	0.00104	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000133*	0.00333	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000267*	0.000833	"	"	"	"	"	
Toluene	"	ND	*0.0000999*	0.00125	"	"	"	"	"	
Total Xylenes	"	**0.00260**	*0.000291*	0.00833	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*133%*		*60 - 140 %*	"			"	
Toluene-d8			*101%*		*60 - 140 %*	"			"	
4-BFB			*108%*		*60 - 140 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method)

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-16 (D-9)		**Soil**			**Sampled: 09/18/08 10:00**					
Benzene	EPA 8260B	ND	*0.000154*	0.00144	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 01:55	
1,2-Dibromoethane (EDB)	"	ND	*0.000375*	0.00481	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000288*	0.00120	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000154*	0.00384	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000308*	0.000961	"	"	"	"	"	
Toluene	"	ND	*0.000115*	0.00144	"	"	"	"	"	
Total Xylenes	"	**0.00109**	*0.000336*	0.00961	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*123%*		*60 - 140 %*	"			"	
Toluene-d8			*86.6%*		*60 - 140 %*	"			"	
4-BFB			*105%*		*60 - 140 %*	"			"	
BRI0295-17 (PL-9)		**Soil**			**Sampled: 09/18/08 10:05**					
Benzene	EPA 8260B	ND	*0.000141*	0.00132	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 02:22	
1,2-Dibromoethane (EDB)	"	ND	*0.000344*	0.00441	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000264*	0.00110	"	"	"	"	"	
Ethylbenzene	"	ND	*0.000141*	0.00353	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.000282*	0.000881	"	"	"	"	"	
Toluene	"	ND	*0.000106*	0.00132	"	"	"	"	"	
Total Xylenes	"	**0.000996**	*0.000308*	0.00881	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*131%*		*60 - 140 %*	"			"	
Toluene-d8			*97.0%*		*60 - 140 %*	"			"	
4-BFB			*106%*		*60 - 140 %*	"			"	
BRI0295-18 (D-10)		**Soil**			**Sampled: 09/18/08 10:10**					
Benzene	EPA 8260B	ND	*0.000109*	0.00102	mg/kg dry	1x	8I25065	09/25/08 07:43	09/26/08 02:49	
1,2-Dibromoethane (EDB)	"	ND	*0.000265*	0.00340	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.000204*	0.000849	"	"	"	"	"	
Ethylbenzene	"	**0.000353**	*0.000109*	0.00272	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.000217*	0.000679	"	"	"	"	"	
Toluene	"	**0.000645**	*0.0000815*	0.00102	"	"	"	"	"	J
Total Xylenes	"	**0.00500**	*0.000238*	0.00679	"	"	"	"	"	J
Surrogate(s): *1,2-DCA-d4*			*135%*		*60 - 140 %*	"			"	
Toluene-d8			*102%*		*60 - 140 %*	"			"	
4-BFB			*108%*		*60 - 140 %*	"			"	

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Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) by EPA Method 8260B

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-01 (D-1)		**Soil**			**Sampled: 09/18/08 07:10**					
Benzene	EPA 8260B	ND	*0.0120*	0.0240	mg/kg dry	1x	8I23008	09/23/08 17:23	09/24/08 02:25	
1,2-Dibromoethane	"	ND	*0.0108*	0.120	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.0120*	0.120	"	"	"	"	"	
Ethylbenzene	"	**0.0409**	*0.0144*	0.120	"	"	"	"	"	J
Methyl tert-butyl ether	"	ND	*0.0120*	0.601	"	"	"	"	"	
Toluene	"	**0.0276**	*0.0120*	0.120	"	"	"	"	"	J
Total Xylenes	"	ND	*0.0373*	0.360	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*104%*		*75 - 125 %*	"			"	
Toluene-d8			*111%*		*75 - 125 %*	"			"	
4-BFB			*102%*		*75 - 125 %*	"			"	
BRI0295-05 (D-3)		**Soil**			**Sampled: 09/18/08 07:40**					
Benzene	EPA 8260B	ND	*0.00965*	0.0193	mg/kg dry	1x	8I23008	09/23/08 17:23	09/24/08 04:12	
1,2-Dibromoethane	"	ND	*0.00868*	0.0965	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.00965*	0.0965	"	"	"	"	"	
Ethylbenzene	"	ND	*0.0116*	0.0965	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.00965*	0.482	"	"	"	"	"	
Toluene	"	ND	*0.00965*	0.0965	"	"	"	"	"	
Total Xylenes	"	ND	*0.0299*	0.289	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*105%*		*75 - 125 %*	"			"	
4-BFB			*102%*		*75 - 125 %*	"			"	
BRI0295-11 (PL-6)		**Soil**			**Sampled: 09/18/08 09:05**					
Benzene	EPA 8260B	ND	*0.0104*	0.0208	mg/kg dry	1x	8I29038	09/29/08 19:02	09/29/08 20:54	
1,2-Dibromoethane	"	ND	*0.00936*	0.104	"	"	"	"	"	
1,2-Dichloroethane	"	ND	*0.0104*	0.104	"	"	"	"	"	
Ethylbenzene	"	ND	*0.0125*	0.104	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	*0.0104*	0.520	"	"	"	"	"	
Toluene	"	ND	*0.0104*	0.104	"	"	"	"	"	
Total Xylenes	"	**0.0333**	*0.0322*	0.312	"	"	"	"	"	J
Surrogate(s): 1,2-DCA-d4			*101%*		*75 - 125 %*	"			"	
Toluene-d8			*102%*		*75 - 125 %*	"			"	
4-BFB			*99.6%*		*75 - 125 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-01 (D-1)		**Soil**			**Sampled: 09/18/08 07:10**					
Acenaphthene	EPA 8270C-SIM	ND	-----	0.0221	mg/kg dry	2x	8I22033	09/22/08 10:40	09/23/08 17:52	
Acenaphthylene	"	ND	-----	0.0221	"	"	"	"	"	
Anthracene	"	ND	-----	0.0221	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0221	"	"	"	"	"	
Benzo (a) pyrene	"	**0.0275**	-----	0.0221	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0221	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0221	"	"	"	"	"	
Benzo (ghi) perylene	"	**0.0250**	-----	0.0221	"	"	"	"	"	
Chrysene	"	**0.0342**	-----	0.0221	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0221	"	"	"	"	"	
Fluoranthene	"	**0.0735**	-----	0.0221	"	"	"	"	"	
Fluorene	"	ND	-----	0.0221	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0221	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0221	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0221	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0221	"	"	"	"	"	
Phenanthrene	"	**0.0400**	-----	0.0221	"	"	"	"	"	
Pyrene	"	**0.0805**	-----	0.0221	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*72.2%*			*50 - 147 %*	"			"	
BRI0295-02 (PL-1)		**Soil**			**Sampled: 09/18/08 07:15**					
Acenaphthene	EPA 8270C-SIM	ND	-----	0.0106	mg/kg dry	1x	8I22033	09/22/08 10:40	09/23/08 18:18	
Acenaphthylene	"	ND	-----	0.0106	"	"	"	"	"	
Anthracene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (a) pyrene	"	**0.0111**	-----	0.0106	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0106	"	"	"	"	"	
Chrysene	"	**0.0124**	-----	0.0106	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0106	"	"	"	"	"	
Fluoranthene	"	**0.0168**	-----	0.0106	"	"	"	"	"	
Fluorene	"	ND	-----	0.0106	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0106	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0106	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0106	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0106	"	"	"	"	"	
Phenanthrene	"	**0.0137**	-----	0.0106	"	"	"	"	"	
Pyrene	"	**0.0196**	-----	0.0106	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*78.8%*			*50 - 147 %*	"			"	

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Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-06 (PL-4)		**Soil**			**Sampled: 09/18/08 08:30**					
Acenaphthene	EPA 8270C-SIM	ND	------	0.0519	mg/kg dry	5x	8I22033	09/22/08 10:40	09/23/08 15:14	
Acenaphthylene	"	ND	------	0.0519	"	"	"	"	"	
Anthracene	"	ND	------	0.0519	"	"	"	"	"	
Benzo (a) anthracene	"	ND	------	0.0519	"	"	"	"	"	
Benzo (a) pyrene	"	ND	------	0.0519	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	------	0.0519	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	------	0.0519	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	------	0.0519	"	"	"	"	"	
Chrysene	"	ND	------	0.0519	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0519	"	"	"	"	"	
Fluoranthene	"	ND	------	0.0519	"	"	"	"	"	
Fluorene	"	ND	------	0.0519	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	------	0.0519	"	"	"	"	"	
1-Methylnaphthalene	"	ND	------	0.0519	"	"	"	"	"	
2-Methylnaphthalene	"	**0.0733**	------	0.0519	"	"	"	"	"	
Naphthalene	"	ND	------	0.0519	"	"	"	"	"	
Phenanthrene	"	ND	------	0.0519	"	"	"	"	"	
Pyrene	"	ND	------	0.0519	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*85.6%*		*50 - 147 %*	"			"	
BRI0295-07 (PL-5)		**Soil**			**Sampled: 09/18/08 08:40**					
Acenaphthene	EPA 8270C-SIM	ND	------	0.0103	mg/kg dry	1x	8I22033	09/22/08 10:40	09/23/08 18:44	
Acenaphthylene	"	ND	------	0.0103	"	"	"	"	"	
Anthracene	"	ND	------	0.0103	"	"	"	"	"	
Benzo (a) anthracene	"	ND	------	0.0103	"	"	"	"	"	
Benzo (a) pyrene	"	ND	------	0.0103	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	------	0.0103	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	------	0.0103	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	------	0.0103	"	"	"	"	"	
Chrysene	"	ND	------	0.0103	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0103	"	"	"	"	"	
Fluoranthene	"	ND	------	0.0103	"	"	"	"	"	
Fluorene	"	ND	------	0.0103	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	------	0.0103	"	"	"	"	"	
1-Methylnaphthalene	"	ND	------	0.0103	"	"	"	"	"	
2-Methylnaphthalene	"	**0.0135**	------	0.0103	"	"	"	"	"	
Naphthalene	"	ND	------	0.0103	"	"	"	"	"	
Phenanthrene	"	ND	------	0.0103	"	"	"	"	"	
Pyrene	"	**0.0123**	------	0.0103	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*77.7%*		*50 - 147 %*	"			"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-10 (D-6)		**Soil**			**Sampled: 09/18/08 09:00**					
Acenaphthene	EPA 8270C-SIM	**0.121**	------	0.0513	mg/kg dry	5x	8I22033	09/22/08 10:40	09/23/08 16:06	
Acenaphthylene	"	**0.121**	------	0.0513	"	"	"	"	"	
Anthracene	"	**0.0780**	------	0.0513	"	"	"	"	"	
Benzo (a) anthracene	"	ND	------	0.0513	"	"	"	"	"	
Benzo (a) pyrene	"	ND	------	0.0513	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	------	0.0513	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	------	0.0513	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	------	0.0513	"	"	"	"	"	
Chrysene	"	ND	------	0.0513	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0513	"	"	"	"	"	
Fluoranthene	"	ND	------	0.0513	"	"	"	"	"	
Fluorene	"	**0.197**	------	0.0513	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	------	0.0513	"	"	"	"	"	
1-Methylnaphthalene	"	**0.183**	------	0.0513	"	"	"	"	"	
2-Methylnaphthalene	"	**0.0698**	------	0.0513	"	"	"	"	"	
Naphthalene	"	ND	------	0.0513	"	"	"	"	"	
Phenanthrene	"	**0.100**	------	0.0513	"	"	"	"	"	
Pyrene	"	**0.258**	------	0.0513	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*71.9%*		*50 - 147 %*	"			"	
BRI0295-11 (PL-6)		**Soil**			**Sampled: 09/18/08 09:05**					
Acenaphthene	EPA 8270C-SIM	ND	------	0.0102	mg/kg dry	1x	8I22033	09/22/08 10:40	09/23/08 19:11	
Acenaphthylene	"	ND	------	0.0102	"	"	"	"	"	
Anthracene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (a) anthracene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (a) pyrene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	------	0.0102	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	------	0.0102	"	"	"	"	"	
Chrysene	"	ND	------	0.0102	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	------	0.0102	"	"	"	"	"	
Fluoranthene	"	ND	------	0.0102	"	"	"	"	"	
Fluorene	"	ND	------	0.0102	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	------	0.0102	"	"	"	"	"	
1-Methylnaphthalene	"	ND	------	0.0102	"	"	"	"	"	
2-Methylnaphthalene	"	ND	------	0.0102	"	"	"	"	"	
Naphthalene	"	ND	------	0.0102	"	"	"	"	"	
Phenanthrene	"	**0.0227**	------	0.0102	"	"	"	"	"	
Pyrene	"	**0.0440**	------	0.0102	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14			*83.6%*		*50 - 147 %*	"			"	

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PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-17 (PL-9)		**Soil**			**Sampled: 09/18/08 10:05**					
Acenaphthene	EPA 8270C-SIM	ND	-----	0.0106	mg/kg dry	1x	8I22033	09/22/08 10:40	09/23/08 19:37	
Acenaphthylene	"	ND	-----	0.0106	"	"	"	"	"	
Anthracene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0106	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	0.0106	"	"	"	"	"	
Chrysene	"	ND	-----	0.0106	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0106	"	"	"	"	"	
Fluoranthene	"	ND	-----	0.0106	"	"	"	"	"	
Fluorene	"	ND	-----	0.0106	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0106	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0106	"	"	"	"	"	
2-Methylnaphthalene	"	ND	-----	0.0106	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0106	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0106	"	"	"	"	"	
Pyrene	"	ND	-----	0.0106	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*94.8%*			*58 - 147 %*	"			"	
BRI0295-18 (D-10)		**Soil**			**Sampled: 09/18/08 10:10**					
Acenaphthene	EPA 8270C-SIM	ND	-----	0.0104	mg/kg dry	1x	8I22033	09/22/08 10:40	09/23/08 20:03	
Acenaphthylene	"	ND	-----	0.0104	"	"	"	"	"	
Anthracene	"	ND	-----	0.0104	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	0.0104	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	0.0104	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	0.0104	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	0.0104	"	"	"	"	"	
Benzo (ghi) perylene	"	**0.0108**	-----	0.0104	"	"	"	"	"	
Chrysene	"	ND	-----	0.0104	"	"	"	"	"	
Dibenz (a,h) anthracene	"	ND	-----	0.0104	"	"	"	"	"	
Fluoranthene	"	**0.0141**	-----	0.0104	"	"	"	"	"	
Fluorene	"	ND	-----	0.0104	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	-----	0.0104	"	"	"	"	"	
1-Methylnaphthalene	"	ND	-----	0.0104	"	"	"	"	"	
2-Methylnaphthalene	"	**0.0153**	-----	0.0104	"	"	"	"	"	
Naphthalene	"	ND	-----	0.0104	"	"	"	"	"	
Phenanthrene	"	ND	-----	0.0104	"	"	"	"	"	
Pyrene	"	**0.0180**	-----	0.0104	"	"	"	"	"	
Surrogate(s): p-Terphenyl-d14		*82.7%*			*58 - 147 %*	"			"	

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PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-01 (D-1)		**Soil**				**Sampled: 09/18/08 07:10**				
Dry Weight	BSOPSPL003R0 8	90.3	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-02 (PL-1)		**Soil**				**Sampled: 09/18/08 07:15**				
Dry Weight	BSOPSPL003R0 8	93.9	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-03 (D-2)		**Soil**				**Sampled: 09/18/08 07:20**				
Dry Weight	BSOPSPL003R0 8	91.0	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-04 (PL-2)		**Soil**				**Sampled: 09/18/08 07:30**				
Dry Weight	BSOPSPL003R0 8	96.4	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-05 (D-3)		**Soil**				**Sampled: 09/18/08 07:40**				
Dry Weight	BSOPSPL003R0 8	96.5	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-06 (PL-4)		**Soil**				**Sampled: 09/18/08 08:30**				
Dry Weight	BSOPSPL003R0 8	96.1	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-07 (PL-5)		**Soil**				**Sampled: 09/18/08 08:40**				
Dry Weight	BSOPSPL003R0 8	96.4	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-08 (D-5)		**Soil**				**Sampled: 09/18/08 08:45**				
Dry Weight	BSOPSPL003R0 8	93.9	-----	1.00	%	1x	8I22052	09/22/08 15:39	09/23/08 00:00	
BRI0295-09 (D-4)		**Soil**				**Sampled: 09/18/08 08:50**				
Dry Weight	BSOPSPL003R0 8	95.9	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-10 (D-6)		**Soil**				**Sampled: 09/18/08 09:00**				
Dry Weight	BSOPSPL003R0 8	97.5	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-11 (PL-6)		**Soil**				**Sampled: 09/18/08 09:05**				

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Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Physical Parameters by APHA/ASTM/EPA Methods

TestAmerica Seattle

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
BRI0295-11 (PL-6)		**Soil**			**Sampled: 09/18/08 09:05**					
Dry Weight	BSOPSPL003R0 8	**96.4**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-12 (D-7)		**Soil**			**Sampled: 09/18/08 09:15**					
Dry Weight	BSOPSPL003R0 8	**93.7**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-13 (PL-7)		**Soil**			**Sampled: 09/18/08 09:20**					
Dry Weight	BSOPSPL003R0 8	**93.1**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-14 (D-8)		**Soil**			**Sampled: 09/18/08 09:50**					
Dry Weight	BSOPSPL003R0 8	**91.1**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-15 (PL-8)		**Soil**			**Sampled: 09/18/08 09:55**					
Dry Weight	BSOPSPL003R0 8	**95.0**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-16 (D-9)		**Soil**			**Sampled: 09/18/08 10:00**					
Dry Weight	BSOPSPL003R0 8	**94.1**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-17 (PL-9)		**Soil**			**Sampled: 09/18/08 10:05**					
Dry Weight	BSOPSPL003R0 8	**93.6**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	
BRI0295-18 (D-10)		**Soil**			**Sampled: 09/18/08 10:10**					
Dry Weight	BSOPSPL003R0 8	**95.6**	-----	1.00	%	1x	8I22051	09/22/08 15:38	09/23/08 00:00	

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Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

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

TestAmerica Seattle

QC Batch: 8I23024 **Soil Preparation Method: EPA 5030B (P/T)**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I23024-BLK1)								**Extracted: 09/23/08 10:04**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	5.00	mg/kg wet	1x	--	--	--	--	--	--	09/23/08 10:27	
Surrogate(s): 4-BFB (FID)		*Recovery: 100%*			*Limits: 50-150%*	"							*09/23/08 10:27*	
LCS (8I23024-BS1)								**Extracted: 09/23/08 10:04**						
Gasoline Range Hydrocarbons	NWTPH-Gx	47.8	---	5.00	mg/kg wet	1x	--	50.0	95.6%	(75-125)	--	--	09/23/08 13:58	
Surrogate(s): 4-BFB (FID)		*Recovery: 105%*			*Limits: 50-150%*	"							*09/23/08 13:58*	
Duplicate (8I23024-DUP1)					**QC Source: BRI0295-01**			**Extracted: 09/23/08 10:04**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	6.01	mg/kg dry	1x	ND	--	--	--	14.1%	(40)	09/23/08 17:34	
Surrogate(s): 4-BFB (FID)		*Recovery: 111%*			*Limits: 50-150%*	"							*09/23/08 17:34*	
Duplicate (8I23024-DUP2)					**QC Source: BRI0295-02**			**Extracted: 09/23/08 10:04**						
Gasoline Range Hydrocarbons	NWTPH-Gx	ND	---	4.95	mg/kg dry	1x	ND	--	--	--	15.6%	(40)	09/23/08 18:38	
Surrogate(s): 4-BFB (FID)		*Recovery: 105%*			*Limits: 50-150%*	"							*09/23/08 18:38*	
Matrix Spike (8I23024-MS1)					**QC Source: BRI0295-01**			**Extracted: 09/23/08 10:04**						
Gasoline Range Hydrocarbons	NWTPH-Gx	65.1	---	6.01	mg/kg dry	1x	2.65	54.7	114%	(60-175)	--	--	09/23/08 20:16	
Surrogate(s): 4-BFB (FID)		*Recovery: 119%*			*Limits: 50-150%*	"							*09/23/08 20:16*	

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Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

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

TestAmerica Seattle

QC Batch: 8I22035 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I22035-BLK1)													**Extracted: 09/22/08 10:42**	
Lube Oil	NWTPH-Dx	ND	---	25.0	mg/kg wet	1x	--	--	--	--	--	--	09/22/08 22:55	
Kerosene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Diesel Range Hydrocarbons	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-FBP		*Recovery:*	*77.9%*		*Limits: 54-148%*	"							*09/22/08 22:55*	
Octacosane			*86.7%*		*62-142%*	"							"	
LCS (8I22035-BS1)													**Extracted: 09/22/08 10:42**	
Diesel Range Hydrocarbons	NWTPH-Dx	54.4	---	10.0	mg/kg wet	1x	--	66.7	81.6%	(78-129)	--	--	09/22/08 23:16	
Surrogate(s): 2-FBP		*Recovery:*	*77.7%*		*Limits: 54-148%*	"							*09/22/08 23:16*	
Octacosane			*87.3%*		*62-142%*	"							"	
Duplicate (8I22035-DUP1)							**QC Source: BRI0295-10**						**Extracted: 09/22/08 10:42**	
Lube Oil	NWTPH-Dx	169	---	25.4	mg/kg dry	1x	139	--	--	--	19.6%	(50)	09/22/08 23:37	
Surrogate(s): 2-FBP		*Recovery:*	*92.1%*		*Limits: 54-148%*	"							*09/22/08 23:37*	
Octacosane			*102%*		*62-142%*	"							"	
Duplicate (8I22035-DUP2)							**QC Source: BRI0295-10**						**Extracted: 09/22/08 10:42**	
Kerosene	NWTPH-Dx	4000	---	203	mg/kg dry	20x	4400	--	--	--	9.50%	(50)	09/23/08 23:07	
Diesel Range Hydrocarbons	"	5190	---	203	"	"	4960	--	--	--	4.49%	"	"	
Surrogate(s): 2-FBP		*Recovery:*	*88.2%*		*Limits: 54-148%*	"							*09/23/08 23:07*	
Octacosane			*86.3%*		*62-142%*	"							"	
Matrix Spike (8I22035-MS1)							**QC Source: BRI0295-10**						**Extracted: 09/22/08 10:42**	
Diesel Range Hydrocarbons	NWTPH-Dx	5270	---	10.1	mg/kg dry	1x	4960	67.3	466%	(46-155)	--	--	09/22/08 23:58	E, MHA
Surrogate(s): 2-FBP		*Recovery:*	*114%*		*Limits: 54-148%*	"							*09/22/08 23:58*	
Octacosane			*94.3%*		*62-142%*	"							"	
Matrix Spike (8I22035-MS2)							**QC Source: BRI0295-10**						**Extracted: 09/22/08 10:42**	
Diesel Range Hydrocarbons	NWTPH-Dx	4660	---	202	mg/kg dry	20x	4960	67.3	-438%	(46-155)	--	--	09/23/08 23:28	MHA
Surrogate(s): 2-FBP		*Recovery:*	*84.6%*		*Limits: 54-148%*	"							*09/23/08 23:28*	
Octacosane			*83.4%*		*62-142%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I23062 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I23062-BLK1)								Extracted: 09/23/08 21:58						
Lead	EPA 6020	ND	---	0.515	mg/kg wet	1x	--	--	--	--	--	--	09/24/08 20:57	
LCS (8I23062-BS1)								Extracted: 09/23/08 21:58						
Lead	EPA 6020	45.0	---	0.495	mg/kg wet	1x	--	39.6	114%	(80-120)	--	--	09/24/08 21:03	
Duplicate (8I23062-DUP2)					QC Source: BRI0285-01RE1			Extracted: 09/23/08 21:58						
Lead	EPA 6020	2020	---	11.6	mg/kg dry	20x	1650	--	--	--	20.3%	(20)	09/25/08 19:08	R3
Matrix Spike (8I23062-MS2)					QC Source: BRI0285-01RE1			Extracted: 09/23/08 21:58						
Lead	EPA 6020	1730	---	10.8	mg/kg dry	20x	1650	43.3	179%	(75-125)	--	--	09/25/08 19:02	MHA
Post Spike (8I23062-PS2)					QC Source: BRI0285-01RE1			Extracted: 09/23/08 21:58						
Lead	EPA 6020	3.14	---		ug/ml	20x	2.84	0.100	293%	(80-120)	--	--	09/25/08 18:56	S3

QC Batch: 8I23069 **Soil Preparation Method: EPA 3050B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I23069-BLK1)								Extracted: 09/23/08 22:02						
Lead	EPA 6020	ND	---	0.515	mg/kg wet	1x	--	--	--	--	--	--	09/25/08 00:43	
LCS (8I23069-BS1)								Extracted: 09/23/08 22:02						
Lead	EPA 6020	40.4	---	0.510	mg/kg wet	1x	--	40.8	98.9%	(80-120)	--	--	09/25/08 00:49	
Duplicate (8I23069-DUP1)					QC Source: BRI0295-10			Extracted: 09/23/08 22:02						
Lead	EPA 6020	6.39	---	0.508	mg/kg dry	1x	4.68	--	--	--	30.9%	(20)	09/25/08 01:07	R3
Matrix Spike (8I23069-MS1)					QC Source: BRI0295-10			Extracted: 09/23/08 22:02						
Lead	EPA 6020	47.6	---	0.508	mg/kg dry	1x	4.68	40.6	106%	(75-125)	--	--	09/25/08 01:01	
Post Spike (8I23069-PS1)					QC Source: BRI0295-10			Extracted: 09/23/08 22:02						
Lead	EPA 6020	0.105	---		ug/ml	1x	0.00912	0.100	95.5%	(80-120)	--	--	09/25/08 00:55	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25017 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I25017-BLK1)							**Extracted: 09/25/08 07:43**							
Acetone	EPA 8260B	ND	0.00257	0.0300	mg/kg wet	1x	---	---	---	---	---	---	09/25/08 10:42	
Benzene	"	ND	0.000160	0.00150	"	"	---	---	---	---	---	---	"	
Bromobenzene	"	ND	0.000200	0.00500	"	"	---	---	---	---	---	---	"	
Bromochloromethane	"	ND	0.00102	0.00500	"	"	---	---	---	---	---	---	"	
Bromodichloromethane	"	ND	0.000210	0.00500	"	"	---	---	---	---	---	---	"	
Bromoform	"	ND	0.000930	0.00500	"	"	---	---	---	---	---	---	"	
Bromomethane	"	ND	0.000290	0.0100	"	"	---	---	---	---	---	---	"	
2-Butanone	"	ND	0.00238	0.0150	"	"	---	---	---	---	---	---	"	
n-Butylbenzene	"	ND	0.000200	0.00500	"	"	---	---	---	---	---	---	"	
sec-Butylbenzene	"	ND	0.000130	0.00500	"	"	---	---	---	---	---	---	"	
tert-Butylbenzene	"	ND	0.000350	0.00500	"	"	---	---	---	---	---	---	"	
Carbon disulfide	"	ND	0.000190	0.00300	"	"	---	---	---	---	---	---	"	
Carbon tetrachloride	"	ND	0.000200	0.00500	"	"	---	---	---	---	---	---	"	
Chlorobenzene	"	ND	0.000190	0.00200	"	"	---	---	---	---	---	---	"	
Chloroethane	"	ND	0.000360	0.00500	"	"	---	---	---	---	---	---	"	
Chloroform	"	ND	0.000160	0.00250	"	"	---	---	---	---	---	---	"	
Chloromethane	"	ND	0.000400	0.0100	"	"	---	---	---	---	---	---	"	
2-Chlorotoluene	"	ND	0.000320	0.00500	"	"	---	---	---	---	---	---	"	
4-Chlorotoluene	"	ND	0.000290	0.00500	"	"	---	---	---	---	---	---	"	
Dibromochloromethane	"	ND	0.000740	0.00500	"	"	---	---	---	---	---	---	"	
1,2-Dibromo-3-chloropropane	"	ND	0.00138	0.0100	"	"	---	---	---	---	---	---	"	
1,2-Dibromoethane (EDB)	"	ND	0.000390	0.00500	"	"	---	---	---	---	---	---	"	
Dibromomethane	"	ND	0.000990	0.00500	"	"	---	---	---	---	---	---	"	
1,2-Dichlorobenzene	"	ND	0.000220	0.00500	"	"	---	---	---	---	---	---	"	
1,3-Dichlorobenzene	"	ND	0.000170	0.00500	"	"	---	---	---	---	---	---	"	
1,4-Dichlorobenzene	"	ND	0.000160	0.00500	"	"	---	---	---	---	---	---	"	
Dichlorodifluoromethane	"	0.000760	0.000340	0.00500	"	"	---	---	---	---	---	---	"	J
1,1-Dichloroethane	"	ND	0.000170	0.00200	"	"	---	---	---	---	---	---	"	
1,2-Dichloroethane	"	ND	0.000300	0.00125	"	"	---	---	---	---	---	---	"	
1,1-Dichloroethene	"	ND	0.000230	0.00300	"	"	---	---	---	---	---	---	"	
cis-1,2-Dichloroethene	"	ND	0.000230	0.00300	"	"	---	---	---	---	---	---	"	
trans-1,2-Dichloroethene	"	ND	0.000160	0.00250	"	"	---	---	---	---	---	---	"	
1,2-Dichloropropane	"	ND	0.000390	0.00500	"	"	---	---	---	---	---	---	"	
1,3-Dichloropropane	"	ND	0.000240	0.00500	"	"	---	---	---	---	---	---	"	
2,2-Dichloropropane	"	ND	0.000230	0.0100	"	"	---	---	---	---	---	---	"	
1,1-Dichloropropene	"	ND	0.000150	0.00500	"	"	---	---	---	---	---	---	"	
cis-1,3-Dichloropropene	"	ND	0.000180	0.00500	"	"	---	---	---	---	---	---	"	
trans-1,3-Dichloropropene	"	ND	0.000190	0.00125	"	"	---	---	---	---	---	---	"	
Ethylbenzene	"	ND	0.000160	0.00400	"	"	---	---	---	---	---	---	"	

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Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25017 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I25017-BLK1)							**Extracted: 09/25/08 07:43**							
Hexachlorobutadiene	EPA 8260B	ND	0.000320	0.0100	mg/kg wet	1x	--	--	--	--	--	--	09/25/08 10:42	
Methyl tert-butyl ether	"	ND	0.000320	0.00100	"	"	--	--	--	--	--	--	"	
n-Hexane	"	0.00328	0.000370	0.00500	"	"	--	--	--	--	--	--	"	J
2-Hexanone	"	ND	0.00345	0.0200	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	0.000150	0.00500	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	0.000190	0.00500	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	0.00248	0.0200	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	0.000260	0.00350	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	0.000240	0.0100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	0.000150	0.00500	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	0.000130	0.00100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	0.000250	0.0100	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	0.000220	0.0100	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	0.000220	0.00500	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	0.000310	0.00500	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	0.000190	0.00200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	0.000120	0.00150	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	0.000240	0.00250	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	0.000540	0.00125	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	0.000180	0.00250	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	0.000190	0.00500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	0.00139	0.00500	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	0.000160	0.00500	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	0.000140	0.00500	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	0.000360	0.00250	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	0.000160	0.00500	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	0.00101	0.000240	0.00500	"	"	--	--	--	--	--	--	"	J
Total Xylenes	"	0.00101	0.000350	0.0100	"	"	--	--	--	--	--	--	"	J
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*101%*		*Limits: 60-140%*	"							*09/25/08 10:42*	
Toluene-d8			*98.4%*		*60-140%*	"							"	
4-BFB			*99.9%*		*60-140%*	"							"	

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Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25017 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8I25017-BS1)							**Extracted: 09/25/08 07:43**							
Acetone	EPA 8260B	0.436	0.00257	0.0300	mg/kg wet	1x	--	0.500	87.2%	(70-130)	--	--	09/25/08 08:42	
Benzene	"	0.0416	0.000160	0.00150	"	"	--	0.0500	83.1%	"	--	--	"	
2-Butanone	"	0.416	0.00238	0.0150	"	"	--	0.500	83.2%	"	--	--	"	
Carbon disulfide	"	0.0459	0.000190	0.00300	"	"	--	0.0500	91.8%	"	--	--	"	
Chlorobenzene	"	0.0442	0.000190	0.00200	"	"	--	"	88.5%	"	--	--	"	
1,1-Dichloroethane	"	0.0422	0.000170	0.00200	"	"	--	"	84.4%	"	--	--	"	
1,1-Dichloroethene	"	0.0445	0.000230	0.00300	"	"	--	"	89.1%	"	--	--	"	
cis-1,2-Dichloroethene	"	0.0447	0.000230	0.00300	"	"	--	"	89.4%	"	--	--	"	
Ethylbenzene	"	0.0445	0.000160	0.00400	"	"	--	"	89.0%	"	--	--	"	
Hexachlorobutadiene	"	0.0413	0.000320	0.0100	"	"	--	"	82.6%	"	--	--	"	
4-Methyl-2-pentanone	"	0.400	0.00248	0.0200	"	"	--	0.500	80.0%	"	--	--	"	
Tetrachloroethene	"	0.0480	0.000190	0.00200	"	"	--	0.0500	96.0%	"	--	--	"	
Toluene	"	0.0436	0.000120	0.00150	"	"	--	"	87.3%	"	--	--	"	
1,1,1-Trichloroethane	"	0.0436	0.000240	0.00250	"	"	--	"	87.3%	"	--	--	"	
Trichloroethene	"	0.0417	0.000180	0.00250	"	"	--	"	83.4%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4	*Recovery:*	*89.8%*		*Limits:*	*60-140%*	"							*09/25/08 08:42*	
Toluene-d8		*101%*			*60-140%*	"							"	
4-BFB		*99.8%*			*60-140%*	"							"	
LCS Dup (8I25017-BSD1)							**Extracted: 09/25/08 07:43**							
Acetone	EPA 8260B	0.494	0.00257	0.0300	mg/kg wet	1x	--	0.500	98.8%	(70-130)	12.4%	(30)	09/25/08 09:09	
Benzene	"	0.0480	0.000160	0.00150	"	"	--	0.0500	96.0%	"	14.3%	"	"	
2-Butanone	"	0.476	0.00238	0.0150	"	"	--	0.500	95.3%	"	13.6%	"	"	
Carbon disulfide	"	0.0513	0.000190	0.00300	"	"	--	0.0500	103%	"	11.1%	"	"	
Chlorobenzene	"	0.0522	0.000190	0.00200	"	"	--	"	104%	"	16.6%	"	"	
1,1-Dichloroethane	"	0.0468	0.000170	0.00200	"	"	--	"	93.7%	"	10.4%	"	"	
1,1-Dichloroethene	"	0.0486	0.000230	0.00300	"	"	--	"	97.1%	"	8.66%	"	"	
cis-1,2-Dichloroethene	"	0.0509	0.000230	0.00300	"	"	--	"	102%	"	13.0%	"	"	
Ethylbenzene	"	0.0516	0.000160	0.00400	"	"	--	"	103%	"	14.7%	"	"	
Hexachlorobutadiene	"	0.0574	0.000320	0.0100	"	"	--	"	115%	"	32.6%	"	"	R7
4-Methyl-2-pentanone	"	0.470	0.00248	0.0200	"	"	--	0.500	94.1%	"	16.2%	"	"	
Tetrachloroethene	"	0.0566	0.000190	0.00200	"	"	--	0.0500	113%	"	16.6%	"	"	
Toluene	"	0.0504	0.000120	0.00150	"	"	--	"	101%	"	14.3%	"	"	
1,1,1-Trichloroethane	"	0.0485	0.000240	0.00250	"	"	--	"	97.0%	"	10.5%	"	"	
Trichloroethene	"	0.0484	0.000180	0.00250	"	"	--	"	96.8%	"	14.9%	"	"	
Surrogate(s): 1,2-DCA-d4	*Recovery:*	*92.7%*		*Limits:*	*60-140%*	"							*09/25/08 09:09*	
Toluene-d8		*102%*			*60-140%*	"							"	
4-BFB		*100%*			*60-140%*	"							"	

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Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8125065 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8125065-BLK1)							**Extracted: 09/25/08 20:55**							
Acetone	EPA 8260B	ND	0.00257	0.0300	mg/kg wet	1x	--	--	--	--	--	--	09/25/08 22:19	
Benzene	"	ND	0.000160	0.00150	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	0.000200	0.00500	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	0.00102	0.00500	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	0.000210	0.00500	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	0.000930	0.00500	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	0.000290	0.0100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	0.00238	0.0150	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	0.000200	0.00500	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	0.000130	0.00500	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	0.000350	0.00500	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	0.000190	0.00300	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	0.000200	0.00500	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	0.000190	0.00200	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	0.000360	0.00500	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	0.000160	0.00250	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	0.000400	0.0100	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	0.000320	0.00500	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	0.000290	0.00500	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	0.000740	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	0.00138	0.0100	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane (EDB)	"	ND	0.000390	0.00500	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	0.000990	0.00500	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	0.000220	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	0.000170	0.00500	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	0.000160	0.00500	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	0.000770	0.000340	0.00500	"	"	--	--	--	--	--	--	"	J
1,1-Dichloroethane	"	ND	0.000170	0.00200	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	0.000300	0.00125	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	0.000230	0.00300	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	0.000230	0.00300	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	0.000160	0.00250	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	0.000390	0.00500	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	0.000240	0.00500	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	0.000230	0.0100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	0.000150	0.00500	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	0.000180	0.00500	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	0.000190	0.00125	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.000160	0.00400	"	"	--	--	--	--	--	--	"	

TestAmerica Seattle

Kate Haney, Project Manager

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

Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25065 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I25065-BLK1)							**Extracted: 09/25/08 20:55**							
Hexachlorobutadiene	EPA 8260B	ND	0.000320	0.0100	mg/kg wet	1x	--	--	--	--	--	--	09/25/08 22:19	
Methyl tert-butyl ether	"	ND	0.000320	0.00100	"	"	--	--	--	--	--	--	"	
n-Hexane	"	0.00401	0.000370	0.00500	"	"	--	--	--	--	--	--	"	C, J
2-Hexanone	"	ND	0.00345	0.0200	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	0.000150	0.00500	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	0.000190	0.00500	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	0.00248	0.0200	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	0.00276	0.000260	0.00350	"	"	--	--	--	--	--	--	"	J
Naphthalene	"	ND	0.000240	0.0100	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	0.000150	0.00500	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	0.000130	0.00100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	0.000750	0.000250	0.0100	"	"	--	--	--	--	--	--	"	J
1,2,4-Trichlorobenzene	"	0.000600	0.000220	0.0100	"	"	--	--	--	--	--	--	"	J
1,1,1,2-Tetrachloroethane	"	ND	0.000220	0.00500	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	0.000310	0.00500	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	0.000190	0.00200	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	0.000120	0.00150	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	0.000240	0.00250	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	0.000540	0.00125	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	0.000180	0.00250	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	0.000190	0.00500	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	0.00139	0.00500	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	0.000160	0.00500	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	0.000140	0.00500	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	0.000360	0.00250	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	0.000160	0.00500	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	0.00111	0.000240	0.00500	"	"	--	--	--	--	--	--	"	J
Total Xylenes	"	0.00111	0.000350	0.0100	"	"	--	--	--	--	--	--	"	J
Surrogate(s): 1,2-DCA-d4		*Recovery: 99.6%*			*Limits: 60-140%*	"							*09/25/08 22:19*	
Toluene-d8			*97.9%*		*60-140%*	"							"	
4-BFB			*99.0%*		*60-140%*	"							"	

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Kate Haney, Project Manager

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SEATTLE, WA 11720 NORTH CREEK PKWY N, SUITE 400
BOTHELL, WA 98011-8244
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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) per EPA Method 8260B (Low Soil Method) - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I25065 **Soil Preparation Method: EPA 5035**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8I25065-BS1)							**Extracted: 09/25/08 20:55**							
Acetone	EPA 8260B	0.616	0.00257	0.0300	mg/kg wet	1x	--	0.500	123%	(70-130)	--	--	09/25/08 21:25	
Benzene	"	0.0485	0.000160	0.00150	"	"	--	0.0500	97.0%	"	--	--	"	
2-Butanone	"	0.585	0.00238	0.0150	"	"	--	0.500	117%	"	--	--	"	
Carbon disulfide	"	0.0540	0.000190	0.00300	"	"	--	0.0500	108%	"	--	--	"	
Chlorobenzene	"	0.0497	0.000190	0.00200	"	"	--	"	99.3%	"	--	--	"	
1,1-Dichloroethane	"	0.0498	0.000170	0.00200	"	"	--	"	99.6%	"	--	--	"	
1,1-Dichloroethene	"	0.0507	0.000230	0.00300	"	"	--	"	101%	"	--	--	"	
cis-1,2-Dichloroethene	"	0.0542	0.000230	0.00300	"	"	--	"	108%	"	--	--	"	
Ethylbenzene	"	0.0487	0.000160	0.00400	"	"	--	"	97.3%	"	--	--	"	
Hexachlorobutadiene	"	0.0488	0.000320	0.0100	"	"	--	"	97.7%	"	--	--	"	
4-Methyl-2-pentanone	"	0.541	0.00248	0.0200	"	"	--	0.500	108%	"	--	--	"	
Tetrachloroethene	"	0.0530	0.000190	0.00200	"	"	--	0.0500	106%	"	--	--	"	
Toluene	"	0.0486	0.000120	0.00150	"	"	--	"	97.2%	"	--	--	"	
1,1,1-Trichloroethane	"	0.0492	0.000240	0.00250	"	"	--	"	98.4%	"	--	--	"	
Trichloroethene	"	0.0471	0.000180	0.00250	"	"	--	"	94.2%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*102%*		*Limits: 60-140%*	"							*09/25/08 21:25*	
Toluene-d8			*99.4%*		*60-140%*	"							"	
4-BFB			*99.1%*		*60-140%*	"							"	
LCS Dup (8I25065-BSD1)							**Extracted: 09/25/08 20:55**							
Acetone	EPA 8260B	0.609	0.00257	0.0300	mg/kg wet	1x	--	0.500	122%	(70-130)	1.27%	(30)	09/25/08 21:52	
Benzene	"	0.0487	0.000160	0.00150	"	"	--	0.0500	97.5%	"	0.494%	"	"	
2-Butanone	"	0.583	0.00238	0.0150	"	"	--	0.500	117%	"	0.346%	"	"	
Carbon disulfide	"	0.0540	0.000190	0.00300	"	"	--	0.0500	108%	"	0.0741%	"	"	
Chlorobenzene	"	0.0483	0.000190	0.00200	"	"	--	"	96.6%	"	2.80%	"	"	
1,1-Dichloroethane	"	0.0495	0.000170	0.00200	"	"	--	"	99.1%	"	0.483%	"	"	
1,1-Dichloroethene	"	0.0497	0.000230	0.00300	"	"	--	"	99.4%	"	2.07%	"	"	
cis-1,2-Dichloroethene	"	0.0538	0.000230	0.00300	"	"	--	"	108%	"	0.722%	"	"	
Ethylbenzene	"	0.0481	0.000160	0.00400	"	"	--	"	96.2%	"	1.22%	"	"	
Hexachlorobutadiene	"	0.0513	0.000320	0.0100	"	"	--	"	103%	"	4.95%	"	"	
4-Methyl-2-pentanone	"	0.541	0.00248	0.0200	"	"	--	0.500	108%	"	0.00370	"	"	
Tetrachloroethene	"	0.0525	0.000190	0.00200	"	"	--	0.0500	105%	"	0.853%	"	"	
Toluene	"	0.0472	0.000120	0.00150	"	"	--	"	94.5%	"	2.88%	"	"	
1,1,1-Trichloroethane	"	0.0489	0.000240	0.00250	"	"	--	"	97.7%	"	0.714%	"	"	
Trichloroethene	"	0.0474	0.000180	0.00250	"	"	--	"	94.7%	"	0.593%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*97.4%*		*Limits: 60-140%*	"							*09/25/08 21:52*	
Toluene-d8			*96.4%*		*60-140%*	"							"	
4-BFB			*101%*		*60-140%*	"							"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I29038 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	%REC	(Limits)	%RPD	(Limits)	Analyzed	Notes
Blank (8I29038-BLK1)							**Extracted: 09/29/08 18:59**							
Acetone	EPA 8260B	ND	4.60	5.00	mg/kg wet	1x	--	--	--	--	--	--	09/29/08 20:28	
Benzene	"	ND	0.0100	0.0200	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	0.0160	0.100	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	0.0220	0.100	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	0.0200	0.100	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	2.20	5.00	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	0.400	0.500	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	0.200	0.500	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	0.0460	0.0190	0.100	"	"	--	--	--	--	--	--	"	J
Carbon disulfide	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	0.0200	0.100	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	0.0110	0.500	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	0.0130	0.100	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	0.0230	0.100	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	0.0130	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	0.295	0.0360	0.500	"	"	--	--	--	--	--	--	"	J
1,2-Dibromoethane	"	ND	0.00900	0.100	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	0.0400	0.0220	0.100	"	"	--	--	--	--	--	--	"	J
1,3-Dichlorobenzene	"	0.0320	0.0150	0.100	"	"	--	--	--	--	--	--	"	J
1,4-Dichlorobenzene	"	0.0320	0.0170	0.100	"	"	--	--	--	--	--	--	"	J
Dichlorodifluoromethane	"	ND	0.0200	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	0.0120	0.100	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	0.0140	0.100	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	0.0120	0.100	"	"	--	--	--	--	--	--	"	

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Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I29038 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I29038-BLK1)							**Extracted: 09/29/08 18:59**							
Hexachlorobutadiene	EPA 8260B	ND	1.20	2.00	mg/kg wet	1x	--	--	--	--	--	--	09/29/08 20:28	
Methyl tert-butyl ether	"	ND	0.0100	0.500	"	"	--	--	--	--	--	--	"	
n-Hexane	"	ND	0.200	0.500	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	1.00	2.00	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	0.0220	0.0110	0.100	"	"	--	--	--	--	--	--	"	J
p-Isopropyltoluene	"	0.0660	0.0180	0.100	"	"	--	--	--	--	--	--	"	J
4-Methyl-2-pentanone	"	ND	0.700	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	1.10	2.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	1.14	1.10	2.00	"	"	--	--	--	--	--	--	"	J
n-Propylbenzene	"	0.0320	0.0140	0.100	"	"	--	--	--	--	--	--	"	J
Styrene	"	ND	0.0110	0.100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	1.68	1.60	2.00	"	"	--	--	--	--	--	--	"	J
1,2,4-Trichlorobenzene	"	ND	0.800	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	0.0120	0.100	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	0.0310	0.100	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	0.0120	0.100	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	0.0110	0.100	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	0.0100	0.100	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	0.0320	0.100	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	0.0320	0.0200	0.100	"	"	--	--	--	--	--	--	"	J
1,3,5-Trimethylbenzene	"	0.0330	0.0170	0.100	"	"	--	--	--	--	--	--	"	J
Vinyl chloride	"	ND	0.0170	0.100	"	"	--	--	--	--	--	--	"	
Total Xylenes	"	ND	0.0310	0.300	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery:*	*101%*		*Limits: 75-125%*	"							*09/29/08 20:28*	
Toluene-d8			*102%*		*75-125%*	"							"	
4-BFB			*100%*		*75-125%*	"							"	

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Kate Haney, Project Manager

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Volatile Organic Compounds (Special List) by EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I29038 **Soil Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	%REC	(Limits)	%RPD	(Limits)	Analyzed	Notes
LCS (8I29038-BS1)									**Extracted: 09/29/08 18:59**					
Benzene	EPA 8260B	3.60	0.0100	0.0200	mg/kg wet	1x	--	4.00	89.9%	(75-125)	--	--	09/29/08 19:27	
Chlorobenzene	"	3.79	0.0100	0.100	"	"	--	"	94.8%	"	--	--	"	
1,1-Dichloroethene	"	3.71	0.0100	0.100	"	"	--	"	92.8%	(70-130)	--	--	"	
Trichloroethene	"	3.72	0.0110	0.100	"	"	--	"	93.1%	(75-125)	--	--	"	
Surrogate(s): *1,2-DCA-d4*		*Recovery:*	*102%*		*Limits:*	*75-125%*	"						*09/29/08 19:27*	
Toluene-d8			*100%*			*75-125%*	"						"	
4-BFB			*100%*			*75-125%*	"						"	
LCS Dup (8I29038-BSD1)									**Extracted: 09/29/08 18:59**					
Benzene	EPA 8260B	3.59	0.0100	0.0200	mg/kg wet	1x	--	4.00	89.7%	(75-125)	0.223%	(20)	09/29/08 19:54	
Chlorobenzene	"	3.76	0.0100	0.100	"	"	--	"	93.9%	"	1.03%	"	"	
1,1-Dichloroethene	"	3.60	0.0100	0.100	"	"	--	"	90.0%	(70-130)	3.17%	"	"	
Trichloroethene	"	3.63	0.0110	0.100	"	"	--	"	90.6%	(75-125)	2.69%	"	"	
Surrogate(s): *1,2-DCA-d4*		*Recovery:*	*101%*		*Limits:*	*75-125%*	"						*09/29/08 19:54*	
Toluene-d8			*101%*			*75-125%*	"						"	
4-BFB			*101%*			*75-125%*	"						"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I22033 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (8I22033-BLK1)							**Extracted: 09/22/08 10:40**							
Acenaphthene	EPA 8270C-SIM	ND	---	0.0100	mg/kg wet	1x	---	---	---	---	---	---	09/23/08 12:09	
Acenaphthylene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (a) anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (a) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (b) fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (k) fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Benzo (ghi) perylene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Chrysene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Dibenz (a,h) anthracene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Fluoranthene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Fluorene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
1-Methylnaphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
2-Methylnaphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Naphthalene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Phenanthrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Pyrene	"	ND	---	0.0100	"	"	---	---	---	---	---	---	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 84.4%*			*Limits: 50-147%*	"							*09/23/08 12:09*	
LCS (8I22033-BS1)							**Extracted: 09/22/08 10:40**							
Acenaphthene	EPA 8270C-SIM	0.565	---	0.0100	mg/kg wet	1x	---	0.667	84.8%	(70-125)	---	---	09/23/08 13:02	
Acenaphthylene	"	0.618	---	0.0100	"	"	---	"	92.7%	(70-133)	---	---	"	
Anthracene	"	0.665	---	0.0100	"	"	---	"	99.8%	(70-152)	---	---	"	
Benzo (a) anthracene	"	0.567	---	0.0100	"	"	---	"	85.0%	(60-125)	---	---	"	
Benzo (a) pyrene	"	0.687	---	0.0100	"	"	---	"	103%	(64-134)	---	---	"	
Benzo (b) fluoranthene	"	0.685	---	0.0100	"	"	---	"	103%	(62-147)	---	---	"	
Benzo (k) fluoranthene	"	0.707	---	0.0100	"	"	---	"	106%	(60-144)	---	---	"	
Benzo (ghi) perylene	"	0.559	---	0.0100	"	"	---	"	83.8%	(57-137)	---	---	"	
Chrysene	"	0.650	---	0.0100	"	"	---	"	97.5%	(70-139)	---	---	"	
Dibenz (a,h) anthracene	"	0.634	---	0.0100	"	"	---	"	95.1%	(56-140)	---	---	"	
Fluoranthene	"	0.644	---	0.0100	"	"	---	"	96.5%	(70-141)	---	---	"	
Fluorene	"	0.606	---	0.0100	"	"	---	"	90.9%	(76-132)	---	---	"	
Indeno (1,2,3-cd) pyrene	"	0.583	---	0.0100	"	"	---	"	87.5%	(55-138)	---	---	"	
1-Methylnaphthalene	"	0.479	---	0.0100	"	"	---	"	71.8%	(46-128)	---	---	"	
2-Methylnaphthalene	"	0.439	---	0.0100	"	"	---	"	65.8%	(41-125)	---	---	"	
Naphthalene	"	0.464	---	0.0100	"	"	---	"	69.6%	(43-125)	---	---	"	
Phenanthrene	"	0.581	---	0.0100	"	"	---	"	87.2%	(73-125)	---	---	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I22033 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (8I22033-BS1)							**Extracted: 09/22/08 10:40**							
Pyrene	EPA 8270C-SIM	0.592	---	0.0100	mg/kg wet	1x	---	0.667	88.8%	(68-140)	---	---	09/23/08 13:02	
Surrogate(s): p-Terphenyl-d14		*Recovery: 76.0%*			*Limits: 50-147%*	"							*09/23/08 13:02*	
Matrix Spike (8I22033-MS1)					**QC Source: BRI0295-10**		**Extracted: 09/22/08 10:40**							
Acenaphthene	EPA 8270C-SIM	0.682	---	0.0511	mg/kg dry	5x	0.121	0.682	82.2%	(67-132)	---	---	09/23/08 13:28	
Acenaphthylene	"	0.717	---	0.0511	"	"	0.121	"	87.5%	(65-142)	---	---	"	
Anthracene	"	0.765	---	0.0511	"	"	0.0780	"	101%	(66-158)	---	---	"	
Benzo (a) anthracene	"	0.623	---	0.0511	"	"	ND	"	91.4%	(41-156)	---	---	"	
Benzo (a) pyrene	"	0.689	---	0.0511	"	"	0.00581	"	100%	(52-148)	---	---	"	
Benzo (b) fluoranthene	"	0.672	---	0.0511	"	"	ND	"	98.6%	(53-151)	---	---	"	
Benzo (k) fluoranthene	"	0.684	---	0.0511	"	"	ND	"	100%	(46-161)	---	---	"	
Benzo (ghi) perylene	"	0.624	---	0.0511	"	"	0.0113	"	89.9%	(26-154)	---	---	"	
Chrysene	"	0.713	---	0.0511	"	"	ND	"	105%	(55-155)	---	---	"	
Dibenz (a,h) anthracene	"	0.684	---	0.0511	"	"	ND	"	100%	(27-157)	---	---	"	
Fluoranthene	"	0.911	---	0.0511	"	"	ND	"	134%	(46-172)	---	---	"	
Fluorene	"	0.773	---	0.0511	"	"	0.197	"	84.5%	(66-143)	---	---	"	
Indeno (1,2,3-cd) pyrene	"	0.626	---	0.0511	"	"	ND	"	91.8%	(24-159)	---	---	"	
1-Methylnaphthalene	"	0.768	---	0.0511	"	"	0.183	"	85.8%	(39-140)	---	---	"	
2-Methylnaphthalene	"	0.630	---	0.0511	"	"	0.0698	"	82.2%	(32-139)	---	---	"	
Naphthalene	"	0.633	---	0.0511	"	"	0.00752	"	91.8%	(38-134)	---	---	"	
Phenanthrene	"	0.757	---	0.0511	"	"	0.100	"	96.3%	(63-139)	---	---	"	
Pyrene	"	0.783	---	0.0511	"	"	0.258	"	77.0%	(51-172)	---	---	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 72.6%*			*Limits: 50-147%*	"							*09/23/08 13:28*	
Matrix Spike Dup (8I22033-MSD1)					**QC Source: BRI0295-10**		**Extracted: 09/22/08 10:40**							
Acenaphthene	EPA 8270C-SIM	0.812	---	0.0505	mg/kg dry	5x	0.121	0.673	103%	(67-132)	17.5%	(50)	09/23/08 13:55	
Acenaphthylene	"	0.828	---	0.0505	"	"	0.121	"	105%	(65-142)	14.4%	"	"	
Anthracene	"	0.913	---	0.0505	"	"	0.0780	"	124%	(66-158)	17.7%	"	"	
Benzo (a) anthracene	"	0.610	---	0.0505	"	"	ND	"	90.7%	(41-156)	2.09%	"	"	
Benzo (a) pyrene	"	0.663	---	0.0505	"	"	0.00581	"	97.7%	(52-148)	3.77%	"	"	
Benzo (b) fluoranthene	"	0.671	---	0.0505	"	"	ND	"	99.8%	(53-151)	0.161%	"	"	
Benzo (k) fluoranthene	"	0.679	---	0.0505	"	"	ND	"	101%	(46-161)	0.724%	"	"	
Benzo (ghi) perylene	"	0.617	---	0.0505	"	"	0.0113	"	90.0%	(26-154)	1.21%	"	"	
Chrysene	"	0.697	---	0.0505	"	"	ND	"	104%	(55-155)	2.18%	(44)	"	
Dibenz (a,h) anthracene	"	0.668	---	0.0505	"	"	ND	"	99.3%	(27-157)	2.42%	(50)	"	
Fluoranthene	"	1.01	---	0.0505	"	"	ND	"	150%	(46-172)	10.4%	"	"	
Fluorene	"	1.00	---	0.0505	"	"	0.197	"	120%	(66-143)	25.8%	(52)	"	
Indeno (1,2,3-cd) pyrene	"	0.616	---	0.0505	"	"	ND	"	91.6%	(24-159)	1.59%	(43)	"	

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Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

Polynuclear Aromatic Hydrocarbons by GC/MS-SIM - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I22033 **Soil Preparation Method: EPA 3550B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Matrix Spike Dup (8I22033-MSD1)					**QC Source: BRI0295-10**					**Extracted: 09/22/08 10:40**				
1-Methylnaphthalene	EPA 8270C-SIM	0.794	---	0.0505	mg/kg dry	5x	0.183	0.673	90.9%	(39-140)	3.40%	(50)	09/23/08 13:55	
2-Methylnaphthalene	"	0.670	---	0.0505	"	"	0.0698	"	89.2%	(32-139)	6.13%	"	"	
Naphthalene	"	0.656	---	0.0505	"	"	0.00752	"	96.4%	(38-134)	3.51%	"	"	
Phenanthrene	"	0.818	---	0.0505	"	"	0.100	"	107%	(63-139)	7.76%	"	"	
Pyrene	"	0.900	---	0.0505	"	"	0.258	"	95.4%	(51-172)	13.9%	"	"	
Surrogate(s): p-Terphenyl-d14		*Recovery: 70.2%*			*Limits: 50-147%*	"							*09/23/08 13:55*	

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Physical Parameters by APHA/ASTM/EPA Methods - Laboratory Quality Control Results

TestAmerica Seattle

QC Batch: 8I22051 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	%REC	(Limits)	%RPD	(Limits)	Analyzed	Notes
Blank (8I22051-BLK1)									Extracted: 09/22/08 15:38					
Dry Weight	BSOPSPL00 3R08	100	---	1.00	%	1x	--	--	--	--	--	--	09/23/08 00:00	

QC Batch: 8I22052 **Soil Preparation Method: Dry Weight**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	%REC	(Limits)	%RPD	(Limits)	Analyzed	Notes
Blank (8I22052-BLK1)									Extracted: 09/22/08 15:39					
Dry Weight	BSOPSPL00 3R08	99.8	---	1.00	%	1x	--	--	--	--	--	--	09/23/08 00:00	

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CERTIFICATION SUMMARY

TestAmerica Seattle

Method	Matrix	Nelac	Washington
BSOPSPL003R08	Soil		
EPA 6020	Soil	X	X
EPA 8260B	Soil	X	X
EPA 8270C-SIM	Soil	X	X
NWTPH-Dx	Soil		X
NWTPH-Gx	Soil		X

Any abnormalities or departures from sample acceptance policy shall be documented on the 'Sample Receipt and Temperature Log Form' and 'Sample Non-conformance Form' (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) .

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Notes and Definitions

Report Specific Notes:

C	-	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
E	-	Concentration exceeds the calibration range and therefore result is semi-quantitative.
J	-	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
MHA	-	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
P4	-	Sample received in inappropriate sample container.
Q11	-	Detected hydrocarbons in the diesel range do not have a distinct diesel pattern and may be due to heavily weathered diesel.
Q3	-	The chromatographic pattern is not consistent with diesel fuel.
Q7	-	The heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
Q8	-	Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.
Q9	-	Hydrocarbon pattern most closely resembles transformer oil.
R3	-	The RPD exceeded the acceptance limit due to sample matrix effects.
R7	-	LCS/LCSD RPD exceeded the method control limit. Recovery met acceptance criteria.
S3	-	Post digestion spike is out of acceptance limits for this analyte
ZX	-	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

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.

TestAmerica Seattle

Kate Haney, Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Stantec	Project Name:	**ConocoPhillips Westlake & Mercer**	
PO Box 230, 12034 - (134th Ct NE Ste 102, zip 98052)	Project Number:	ConocoPhillips Westlake & Mercer	Report Created:
Redmond, WA/USA 98073	Project Manager:	Katlin Hanson	10/23/08 12:35

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

Kate Haney, Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210 ☐
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290 ☐
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ☐
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210 ☐

CHAIN OF CUSTODY REPORT

Work Order #: BR10295

CLIENT: STANTEC

REPORT TO: SCOTT MANNING
ADDRESS: 12034 134 CT NE
REDMOND WA
PHONE: 425.372.1670 FAX:

INVOICE TO: SANDRA MATHEWS APPROVER ID: WENID
CONOCOPHILLIPS COMPANY
ACCOUNTS PAYABLE
PO BOX 22000 BARTLESVILLE, OK 74005
P.O. NUMBER:

PROJECT NAME: WESTLAKE-MERCER
PROJECT NUMBER:
SAMPLED BY: SCOTT MANNING

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: 10 (STD.) 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 (STD.) 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-Gx	NWTPH-Dx	BTEX MTBE	EDB EDC	cPAH	NAPHTHALENE	TOTAL LEAD	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	D-1	09-18-08 / 0710	X	X	X	X	X	X	X	S	4		01
2	PL-1	09-18-08 / 0715	X	X	X	X	X	X	X	S	4		02
3	D-2	09-18-08 / 0720	X		X	X		X	X	S	4		03
4	PL-2	09-18-08 / 0730	X		X	X		X	X	S	4		04
5	D-3	09-18-08 / 0740	X		X	X		X	X	S	4		05
6	PL-4	09-18-08 / 0830	X	X	X	X	X	X	X	S	4		06
7	PL-5	09-18-08 / 0840	X	X	X	X	X	X	X	S	4		07
8	D-5	09-18-08 / 0845	X		X	X		X	X	S	4		08
9	D-4	09-18-08 / 0850	X		X	X		X	X	S	4		09
10	D-6	09-18-08 / 0900	X	X	X	X	X	X	X	S	4		10

RELEASED BY: [signature]	DATE: 09-18-08	RECEIVED BY: [signature]	DATE: 9/18/08
PRINT NAME: SCOTT MANNING FIRM:	TIME: 1245	PRINT NAME: Cathy Gamble FIRM: TA-Sea	TIME: 12:45
RELEASED BY:	DATE:	RECEIVED BY:	DATE:
PRINT NAME: FIRM:	TIME:	PRINT NAME: FIRM:	TIME:

ADDITIONAL REMARKS:

TEMP: 12.4

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TAL-1000(0408)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
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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 #: 08/04295

CLIENT: SANTEC

REPORT TO: SCOTT MANNING
ADDRESS: 12034 134TH CT
REDMOND, WA
PHONE: 425.372.1670 FAX:

INVOICE TO: SHARLA MATTHEWS-APPROP ID: AGENID
CONOCOPHILLIPS COMPANY
ACCOUNTS PAYABLE
PO BOX 72000 BARTLESVILLE, OK 74005
P.O. NUMBER:

PROJECT NAME: WESTLAKE-MICKLER
PROJECT NUMBER:
SAMPLED BY: SCOTT MANNING

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses
10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses
STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: NWTPH Gx	NWTPH Dx	BTEX MTBE	EDB EDC	CRAH	NAPHTHALENE	TOTAL LEAD	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	PL-6	09-18-08 / 0905		X	X	X	X	X	X	X	S	4		11
2	D-7	09-18-08 / 0915		X		X	X		X	X	S	4		12
3	PL-7	09-18-08 / 0920		X		X	X		X	X	S	4		13
4	D-8	09-18-08 / 0930		X		X	X		X	X	S	4		14
5	PL-8	09-18-08 / 0935		X		X	X		X	X	S	4		15
6	D-9	09-18-08 / 1000		X	BTEX	X	X		X	X	S	4		16
7	PL-9	09-18-08 / 1005		X	X	X	X	X	X	X	S	4		17
8	D-10	09-18-08 / 1010		X	X	X	X	X	X	X	S	4		18
Dup	Trip Blank	9-18-08									S	2		19
9/10														

RELEASED BY: Scott Manning		DATE: 09-18-08	RECEIVED BY: Kathy Gamble		DATE: 9/19/08
PRINT NAME: John Neun	FIRM:	TIME: 1245	PRINT NAME: Kathy Gamble	FIRM: TAI-SEA	TIME: 12:45
RELEASED BY:		DATE:	RECEIVED BY:		DATE:
PRINT NAME:	FIRM:	TIME:	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS:

TEMP:

PAGE OF

TAL: 8XX(0408)

TAT: 5 | Paperwork to PM – Date: _____ Time: _____ | Non-Conformances?

Page Time & Initials: _____ | Circle (Y) or N

(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)	**Logged-in By:**	**Unpacked/Labeled By:**	**Cooler ID:** 399, 316
Date: 9/18	Date: 9/19	Date: 9/20	Work Order No: 8R10295
Time: 12:45	Time: 8:05	Time: 15:00	Client:
Initials: CG	Initials: CG	Initials: CG	Project:

Container Type:
- ✓ Cooler
- ____ Box
- ____ None/Other ____

COC Seals:
- ____ Ship Container
- ____ On Bottles
- ✓ None
- ____ Sign By
- ____ Date

Packing Material:
- ✓ Bubble Bags
- ____ Styrofoam
- ____ Foam Packs
- ____ None/Other ____

Refrigerant:
- ____ Gel Ice Pack ____
- ✓ Loose Ice ____
- ____ None/Other ____

Received Via: Bill#
- ____ Fed Ex
- ✓ Client
- ____ UPS
- ____ TA Courier
- ____ DHL
- ____ Mid Valley
- ____ Servoy
- ____ TDP
- ____ GS
- ____ Other ____

Cooler Temperature (IR): 5.9 °C Plastic (Glass) (circle one) (Frozen filters, Tedlars and aqueous Metals exempt)

Temperature Blank? ____ °C or NA 12.4 Trip Blank? (Y) or N or NA

BP, OPLC,ARCO-Temperature monitoring every 15 minutes:
(initial/date/time): _____

Comments: _____

Sample Containers:		ID			ID
Intact?	(Y) or N		Metals Preserved?	Y or N or (NA)	
Provided by TA?	(Y) or N		Client QAPP Preserved?	Y or N or (NA)	
Correct Type?	Y or (N)		Adequate Volume? (for tests requested)	(Y) or N	
#Containers match COC?	Y or (N)		Water VOAs: Headspace?	Y or N or (NA)	
IDs/time/date match COC?	(Y) or N		Comments:	Several vials have too much	
Hold Times in hold? CC, 9/22	(Y) or (N)	17, 15, 16, 17 Extraction past hold	soil, i.e., other bay vials have 7-10 grams per vial.		

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems _____

Total access set up? Y or N

Has client been contacted regarding non-conformances? Y or N If Y, _____ / _____ Date Time

PM Initials: _____ Date: _____ Time: _____

(rev 4, 01/24/07)

NOTIFICATION OF DISCREPANCY

DATE: 9/16	TIME: 1245	PM: SY	SC INITIALS: CB
Rush/Short Hold? ☐ Yes ☒ No			

☐ Project Not Set Up in ELM ☐ New Client ☐ COC Received ON HOLD
☐ Analysis Requested on COC – Not Listed for Project in ELM

☐ PM To Add Analysis: _____
☐ Clarification of Analysis: _____
☐ Hold Time Expired: (Analysis) _____
☐ Turnaround Time Not Checked: _____
☒ Did Not Receive Sample(s) Listed on COC: Did not receive 5035 vials for samples 14-17, entire carton was unloaded.
☒ Received Extra Sample(s) Not Listed on COC: 2 Trip Blanks received, added to COC & placed on hold
☐ Sample Description(s) or Date/Time Sampled Do Not Match COC:
~~☒~~

☐ Improper Preservative For method: _____
☐ Sample Received Broken: _____
☐ Insufficient Sample Volume: _____
☐ Sample preserved upon receipt: _____

☒ Temperature Outside recommended range (4°C±2°C): _____
☐ Received on-ice within 4 hours of collection, temperature between ambient to 2°C acceptable.
☒ Other:
MeOH + VE Extraction codes added to COC as on 9/22, extraction past hold.

PROJECT MANAGER RESOLUTION: (Date & Time when returned to SC)
Approval By: Date: Time:

(rev 4, 01/24/07)