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1:49 pm, Apr 29, 2008

Alameda County  
Environmental Health**ANALYTICAL RESULTS**

Prepared for:

ConocoPhillips  
Suite 212  
1230 W. Washington  
Tempe AZ 85281

602-452-2502

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 1052937. Samples arrived at the laboratory on Thursday, August 23, 2007. The PO# for this group is 4508630951 and the release number is BOONE.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
B-1 NA Water	5136464
B-1d30.0 NA Soil	5136465
B-4 NA Water	5136466
B-4d21.0 NA Soil	5136467
B-6 NA Water	5136468
B-6d19.0 NA Soil	5136469
Duplicate B-4 NA Water	5136470

ELECTRONIC ATC Associates, Inc.  
COPY TO

Attn: Keli Vandegrift

Questions? Contact your Client Services Representative  
Megan A Moeller at (717) 656-2300

Respectfully Submitted,



**Melissa A. McDermott**  
Senior Chemist

**Lancaster Laboratories Sample No. WW 5136464**
**B-1 NA Water**
**Site# 2611128 ATCE**
**4707 First St-Livermore NA B-1**

Collected: 08/21/2007 16:45 by JF

Account Number: 12258

Submitted: 08/23/2007 11:20

ConocoPhillips

Reported: 09/10/2007 at 15:03

Suite 212

Discard: 10/11/2007

1230 W. Washington

Tempe AZ 85281

FSL01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05553	TPH-DRO (Waters)	n.a.	1,100.	290.	1,000.	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
01635	TPH-GRO 8015B - water						
01639	TPH-GRO 8015B - water	n.a.	N.D.	20.	50.	ug/l	1
05382	EPA SW846/8260 (water)						
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.8	5.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 5136464**
**B-1 NA Water  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-1**

Collected: 08/21/2007 16:45 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FSL01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.8	5.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.8	5.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.8	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Analyst	Dilution Factor
			Trial#	Date and Time			
05553	TPH-DRO (Waters)	SW-846 8015B	1	08/29/2007 03:18		Tracy A Cole	1
01635	TPH-GRO 8015B - water	SW-846 8015B modified	1	08/27/2007 19:49		Martha L Seidel	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	08/29/2007 15:07		Chelsea B Eastep	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	08/29/2007 15:07		Chelsea B Eastep	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/27/2007 19:49		Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2007 15:07		Chelsea B Eastep	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/24/2007 18:15		Mitchell B Crawford	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 5136465**
**B-1d30.0 NA Soil  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-1**

Collected: 08/21/2007 16:10 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FS130

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	N.D.	4.0	12.	mg/kg	1
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.	0.2	1.0	mg/kg	25
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	mg/kg	1
06089	Ethanol	64-17-5	N.D.	0.10	0.50	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	1
08199	Freon 113	76-13-1	N.D.	0.002	0.01	mg/kg	1
05441	EPA SW846/8260 (soil)						
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	1
05450	Methylene Chloride	75-09-2	0.003 J	0.002	0.005	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	1
05466	Toluene	108-88-3	0.003 J	0.001	0.005	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	1

\*=This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. SW 5136465

B-1d30.0 NA Soil  
 Site# 2611128 ATCE  
 4707 First St-Livermore NA B-1

Collected: 08/21/2007 16:10 by JF

Account Number: 12258

Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FS130

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	1
05475	m+p-Xylene	1330-20-7	0.002 J	0.001	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.001	0.005	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	1
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	mg/kg	1
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	mg/kg	1
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	08/30/2007 05:37	Tracy A Cole	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	08/28/2007 02:18	Linda C Pape	25
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	09/01/2007 10:09	Holly Berry	1
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	09/01/2007 10:09	Holly Berry	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	08/31/2007 02:55	Holly Berry	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	08/23/2007 22:30	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	08/24/2007 16:00	Doreen K Robles	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 5136466**
**B-4 NA Water  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-4**

Collected: 08/22/2007 14:40 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FSL04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05553	TPH-DRO (Waters) Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.	n.a.	600. J	290.	1,000.	ug/l	1
01635	TPH-GRO 8015B - water						
01639	TPH-GRO 8015B - water	n.a.	N.D.	20.	50.	ug/l	1
05382	EPA SW846/8260 (water)						
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.8	5.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 5136466**
**B-4 NA Water**
**Site# 2611128 ATCE**
**4707 First St-Livermore NA B-4**

Collected: 08/22/2007 14:40 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FSL04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.8	5.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.8	5.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.8	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Analyst	Dilution Factor
			Trial#	Date and Time			
05553	TPH-DRO (Waters)	SW-846 8015B	1	08/29/2007 03:39		Tracy A Cole	1
01635	TPH-GRO 8015B - water	SW-846 8015B modified	1	08/29/2007 01:21		Martha L Seidel	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	08/29/2007 15:59		Chelsea B Eastep	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	08/29/2007 15:59		Chelsea B Eastep	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/29/2007 01:21		Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2007 15:59		Chelsea B Eastep	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/24/2007 18:15		Mitchell B Crawford	1

\*=This limit was used in the evaluation of the final result



**Lancaster Laboratories Sample No. SW 5136467**
**B-4d21.0 NA Soil  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-4**

Collected: 08/22/2007 14:30 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FS421

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	80.	4.0	12.	mg/kg	1
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	N.D.	0.2	1.0	mg/kg	25
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	mg/kg	1
06089	Ethanol	64-17-5	N.D.	0.10	0.50	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	1
08199	Freon 113	76-13-1	N.D.	0.002	0.01	mg/kg	1
05441	EPA SW846/8260 (soil)						
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	1
05450	Methylene Chloride	75-09-2	0.003 J	0.002	0.005	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	1
05466	Toluene	108-88-3	0.004 J	0.001	0.005	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 5136467**
**B-4d21.0 NA Soil  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-4**

Collected: 08/22/2007 14:30 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FS421

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	1
05475	m+p-Xylene	1330-20-7	0.004 J	0.001	0.005	mg/kg	1
05476	o-Xylene	95-47-6	0.001 J	0.001	0.005	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	1
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	mg/kg	1
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	mg/kg	1
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08270	TPH-DRO by 8015B	SW-846 8015B	1	08/30/2007 08:51	Tracy A Cole	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	08/28/2007 02:54	Linda C Pape	25
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	08/30/2007 23:23	Nicholas R Rossi	1
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	08/30/2007 23:23	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	08/30/2007 15:43	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	08/23/2007 22:40	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	08/24/2007 16:00	Doreen K Robles	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 5136468**
**B-6 NA Water  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-6**

Collected: 08/22/2007 10:25 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FSL06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05553	TPH-DRO (Waters) Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.	n.a.	7,300.	1,500.	5,000.	ug/l	5
01635	TPH-GRO 8015B - water						
01639	TPH-GRO 8015B - water	n.a.	24. J	20.	50.	ug/l	1
05382	EPA SW846/8260 (water)						
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.8	5.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 5136468**
**B-6 NA Water  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-6**

Collected: 08/22/2007 10:25 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FSL06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.8	5.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.8	5.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.8	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Analyst	Dilution Factor
			Trial#	Date and Time			
05553	TPH-DRO (Waters)	SW-846 8015B	1	08/29/2007 11:07		Tracy A Cole	5
01635	TPH-GRO 8015B - water	SW-846 8015B modified	1	08/29/2007 04:41		Martha L Seidel	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	08/29/2007 16:25		Chelsea B Eastep	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	08/29/2007 16:25		Chelsea B Eastep	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/29/2007 04:41		Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2007 16:25		Chelsea B Eastep	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/24/2007 18:15		Mitchell B Crawford	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 5136469**
**B-6d19.0 NA Soil  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-6**

Collected: 08/22/2007 10:10 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FS619

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	4.8 J	4.0	12.	mg/kg	1
01637	TPH-GRO 8015B - soil						
01641	TPH-GRO 8015B - soil	n.a.	0.2 J	0.2	1.0	mg/kg	25
03983	EPA SW 846/8260 - Soil						
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	0.005	mg/kg	1
02017	di-Isopropyl ether	108-20-3	N.D.	0.001	0.005	mg/kg	1
02018	Ethyl t-butyl ether	637-92-3	N.D.	0.001	0.005	mg/kg	1
02019	t-Amyl methyl ether	994-05-8	N.D.	0.001	0.005	mg/kg	1
02020	t-Butyl alcohol	75-65-0	N.D.	0.020	0.10	mg/kg	1
06089	Ethanol	64-17-5	N.D.	0.10	0.50	mg/kg	1
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	0.005	mg/kg	1
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	0.005	mg/kg	1
08199	Freon 113	76-13-1	N.D.	0.002	0.01	mg/kg	1
05441	EPA SW846/8260 (soil)						
05444	Chloromethane	74-87-3	N.D.	0.002	0.005	mg/kg	1
05445	Vinyl Chloride	75-01-4	N.D.	0.001	0.005	mg/kg	1
05446	Bromomethane	74-83-9	N.D.	0.002	0.005	mg/kg	1
05447	Chloroethane	75-00-3	N.D.	0.002	0.005	mg/kg	1
05448	Trichlorofluoromethane	75-69-4	N.D.	0.002	0.005	mg/kg	1
05449	1,1-Dichloroethene	75-35-4	N.D.	0.001	0.005	mg/kg	1
05450	Methylene Chloride	75-09-2	0.004 J	0.002	0.005	mg/kg	1
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	0.005	mg/kg	1
05452	1,1-Dichloroethane	75-34-3	N.D.	0.001	0.005	mg/kg	1
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	0.005	mg/kg	1
05455	Chloroform	67-66-3	N.D.	0.001	0.005	mg/kg	1
05457	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	0.005	mg/kg	1
05458	Carbon Tetrachloride	56-23-5	N.D.	0.001	0.005	mg/kg	1
05460	Benzene	71-43-2	N.D.	0.0005	0.005	mg/kg	1
05461	1,2-Dichloroethane	107-06-2	N.D.	0.001	0.005	mg/kg	1
05462	Trichloroethene	79-01-6	N.D.	0.001	0.005	mg/kg	1
05463	1,2-Dichloropropane	78-87-5	N.D.	0.001	0.005	mg/kg	1
05465	Bromodichloromethane	75-27-4	N.D.	0.001	0.005	mg/kg	1
05466	Toluene	108-88-3	0.002 J	0.001	0.005	mg/kg	1
05467	1,1,2-Trichloroethane	79-00-5	N.D.	0.001	0.005	mg/kg	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. SW 5136469**
**B-6d19.0 NA Soil  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-6**

Collected: 08/22/2007 10:10 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FS619

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05468	Tetrachloroethene	127-18-4	N.D.	0.001	0.005	mg/kg	1
05470	Dibromochloromethane	124-48-1	N.D.	0.001	0.005	mg/kg	1
05472	Chlorobenzene	108-90-7	N.D.	0.001	0.005	mg/kg	1
05474	Ethylbenzene	100-41-4	N.D.	0.001	0.005	mg/kg	1
05475	m+p-Xylene	1330-20-7	0.002 J	0.001	0.005	mg/kg	1
05476	o-Xylene	95-47-6	N.D.	0.001	0.005	mg/kg	1
05478	Bromoform	75-25-2	N.D.	0.001	0.005	mg/kg	1
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	0.005	mg/kg	1
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	0.005	mg/kg	1
05492	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	0.005	mg/kg	1
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	0.005	mg/kg	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08270	TPH-DRO by 8015B	SW-846 8015B	1	08/30/2007 05:58	Tracy A Cole	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	08/28/2007 03:30	Linda C Pape	25
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	08/30/2007 23:47	Nicholas R Rossi	1
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	08/30/2007 23:47	Nicholas R Rossi	1
00374	GC/MS - Bulk Sample Prep	SW-846 5030A	1	08/30/2007 15:44	Sara E Wolf	n.a.
01150	GC - Bulk Soil Prep	SW-846 5030A	1	08/23/2007 22:47	Eric L Vera	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	08/24/2007 16:00	Doreen K Robles	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 5136470**
**Duplicate B-4 NA Water  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-4**

Collected: 08/22/2007 14:50 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FSLFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05553	TPH-DRO (Waters) Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.	n.a.	430. J	290.	1,000.	ug/l	1
01635	TPH-GRO 8015B - water						
01639	TPH-GRO 8015B - water	n.a.	N.D.	20.	50.	ug/l	1
05382	EPA SW846/8260 (water)						
05385	Chloromethane	74-87-3	N.D.	1.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.8	5.	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	5.	ug/l	1

\*=This limit was used in the evaluation of the final result

**Lancaster Laboratories Sample No. WW 5136470**
**Duplicate B-4 NA Water  
Site# 2611128 ATCE  
4707 First St-Livermore NA B-4**

Collected: 08/22/2007 14:50 by JF

Account Number: 12258

 Submitted: 08/23/2007 11:20  
 Reported: 09/10/2007 at 15:03  
 Discard: 10/11/2007

 ConocoPhillips  
 Suite 212  
 1230 W. Washington  
 Tempe AZ 85281

FSLFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	5.	ug/l	1
08202	EPA SW 846/8260 - Water						
01587	Ethanol	64-17-5	N.D.	50.	250.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	5.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.8	5.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.8	5.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.8	5.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	10.	80.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	5.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.	10.	ug/l	1

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis			Analyst	Dilution Factor
			Trial#	Date and Time			
05553	TPH-DRO (Waters)	SW-846 8015B	1	08/29/2007 01:30		Tracy A Cole	1
01635	TPH-GRO 8015B - water	SW-846 8015B modified	1	08/29/2007 01:44		Martha L Seidel	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	08/29/2007 16:51		Chelsea B Eastep	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	08/29/2007 16:51		Chelsea B Eastep	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/29/2007 01:44		Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/29/2007 16:51		Chelsea B Eastep	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	08/24/2007 18:15		Mitchell B Crawford	1

\*=This limit was used in the evaluation of the final result



## Quality Control Summary

 Client Name: ConocoPhillips  
 Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 072360011A TPH-DRO by 8015B	Sample number(s): 5136465, 5136467, 5136469 N.D.	4.0	12.	mg/kg	80	77	71-109	4	20
Batch number: 072360012A TPH-DRO (Waters)	Sample number(s): 5136464, 5136466, 5136468, 5136470 N.D.	29.	100.	ug/l	93	94	63-119	1	20
Batch number: 07239A31A TPH-GRO 8015B - soil	Sample number(s): 5136465, 5136467, 5136469 N.D.	0.2	1.0	mg/kg	101		67-119		
Batch number: 07239A53A TPH-GRO 8015B - water	Sample number(s): 5136464 N.D.	20.	50.	ug/l	105	100	75-135	5	30
Batch number: 07240A53A TPH-GRO 8015B - water	Sample number(s): 5136466, 5136468, 5136470 N.D.	20.	50.	ug/l	90	101	75-135	12	30
Batch number: A072441AA Methyl Tertiary Butyl Ether	Sample number(s): 5136465 N.D.	0.0005	0.005	mg/kg	103		72-117		
di-Isopropyl ether	N.D.	0.001	0.005	mg/kg	102		72-120		
Ethyl t-butyl ether	N.D.	0.001	0.005	mg/kg	101		72-115		
t-Amyl methyl ether	N.D.	0.001	0.005	mg/kg	100		73-116		
t-Butyl alcohol	N.D.	0.020	0.10	mg/kg	101		59-154		
Chloromethane	N.D.	0.002	0.005	mg/kg	96		44-115		
Vinyl Chloride	N.D.	0.001	0.005	mg/kg	93		52-111		
Bromomethane	N.D.	0.002	0.005	mg/kg	83		53-124		
Chloroethane	N.D.	0.002	0.005	mg/kg	88		63-120		
Trichlorofluoromethane	N.D.	0.002	0.005	mg/kg	95		58-125		
1,1-Dichloroethene	N.D.	0.001	0.005	mg/kg	109		83-121		
Methylene Chloride	N.D.	0.002	0.005	mg/kg	102		75-120		
trans-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	103		84-116		
1,1-Dichloroethane	N.D.	0.001	0.005	mg/kg	105		82-116		
cis-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	102		84-113		
Chloroform	N.D.	0.001	0.005	mg/kg	102		81-117		
1,1,1-Trichloroethane	N.D.	0.001	0.005	mg/kg	101		74-127		
Carbon Tetrachloride	N.D.	0.001	0.005	mg/kg	100		76-122		
Benzene	N.D.	0.0005	0.005	mg/kg	102		84-115		
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	105		76-126		
Trichloroethene	N.D.	0.001	0.005	mg/kg	99		81-114		
1,2-Dichloropropane	N.D.	0.001	0.005	mg/kg	103		78-119		
Bromodichloromethane	N.D.	0.001	0.005	mg/kg	104		77-116		
Toluene	N.D.	0.001	0.005	mg/kg	101		81-116		
1,1,2-Trichloroethane	N.D.	0.001	0.005	mg/kg	105		81-112		
Tetrachloroethene	N.D.	0.001	0.005	mg/kg	97		77-120		
Dibromochloromethane	N.D.	0.001	0.005	mg/kg	108		80-113		
Chlorobenzene	N.D.	0.001	0.005	mg/kg	100		81-112		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	99		82-115		
m+p-Xylene	N.D.	0.001	0.005	mg/kg	99		82-117		
o-Xylene	N.D.	0.001	0.005	mg/kg	100		82-117		

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

 Client Name: ConocoPhillips  
 Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Bromoform	N.D.	0.001	0.005	mg/kg	96		63-120		
1,1,2,2-Tetrachloroethane	N.D.	0.001	0.005	mg/kg	106		64-121		
1,3-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	96		76-112		
1,4-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	95		78-108		
1,2-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	97		81-109		
Ethanol	N.D.	0.10	0.50	mg/kg	101		48-149		
trans-1,3-Dichloropropene	N.D.	0.001	0.005	mg/kg	98		79-112		
cis-1,3-Dichloropropene	N.D.	0.001	0.005	mg/kg	98		80-111		
Freon 113	N.D.	0.002	0.010	mg/kg	97		68-121		
Batch number: B072421AA Sample number(s): 5136467,5136469									
Methyl Tertiary Butyl Ether	N.D.	0.0005	0.005	mg/kg	111		72-117		
di-Isopropyl ether	N.D.	0.001	0.005	mg/kg	103		72-120		
Ethyl t-butyl ether	N.D.	0.001	0.005	mg/kg	104		72-115		
t-Amyl methyl ether	N.D.	0.001	0.005	mg/kg	105		73-116		
t-Butyl alcohol	N.D.	0.020	0.10	mg/kg	103		59-154		
Chloromethane	N.D.	0.002	0.005	mg/kg	90		44-115		
Vinyl Chloride	N.D.	0.001	0.005	mg/kg	86		52-111		
Bromomethane	N.D.	0.002	0.005	mg/kg	80		53-124		
Chloroethane	N.D.	0.002	0.005	mg/kg	83		63-120		
Trichlorofluoromethane	N.D.	0.002	0.005	mg/kg	97		58-125		
1,1-Dichloroethene	N.D.	0.001	0.005	mg/kg	93		83-121		
Methylene Chloride	0.002 J	0.002	0.005	mg/kg	117		75-120		
trans-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	98		84-116		
1,1-Dichloroethane	N.D.	0.001	0.005	mg/kg	104		82-116		
cis-1,2-Dichloroethene	N.D.	0.001	0.005	mg/kg	98		84-113		
Chloroform	N.D.	0.001	0.005	mg/kg	108		81-117		
1,1,1-Trichloroethane	N.D.	0.001	0.005	mg/kg	105		74-127		
Carbon Tetrachloride	N.D.	0.001	0.005	mg/kg	99		76-122		
Benzene	N.D.	0.0005	0.005	mg/kg	97		84-115		
1,2-Dichloroethane	N.D.	0.001	0.005	mg/kg	121		76-126		
Trichloroethene	N.D.	0.001	0.005	mg/kg	99		81-114		
1,2-Dichloropropane	N.D.	0.001	0.005	mg/kg	99		78-119		
Bromodichloromethane	N.D.	0.001	0.005	mg/kg	103		77-116		
Toluene	N.D.	0.001	0.005	mg/kg	99		81-116		
1,1,2-Trichloroethane	N.D.	0.001	0.005	mg/kg	102		81-112		
Tetrachloroethene	N.D.	0.001	0.005	mg/kg	98		77-120		
Dibromochloromethane	N.D.	0.001	0.005	mg/kg	106		80-113		
Chlorobenzene	N.D.	0.001	0.005	mg/kg	99		81-112		
Ethylbenzene	N.D.	0.001	0.005	mg/kg	103		82-115		
m+p-Xylene	N.D.	0.001	0.005	mg/kg	100		82-117		
o-Xylene	N.D.	0.001	0.005	mg/kg	99		82-117		
Bromoform	N.D.	0.001	0.005	mg/kg	109		63-120		
1,1,2,2-Tetrachloroethane	N.D.	0.001	0.005	mg/kg	117		64-121		
1,3-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	98		76-112		
1,4-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	97		78-108		
1,2-Dichlorobenzene	N.D.	0.001	0.005	mg/kg	104		81-109		
Ethanol	N.D.	0.10	0.50	mg/kg	96		48-149		
trans-1,3-Dichloropropene	N.D.	0.001	0.005	mg/kg	103		79-112		
cis-1,3-Dichloropropene	N.D.	0.001	0.005	mg/kg	101		80-111		
Freon 113	N.D.	0.002	0.010	mg/kg	74		68-121		
Batch number: W072411AA Sample number(s): 5136464,5136466,5136468,5136470									
Ethanol	N.D.	50.	250.	ug/l	76	83	31-166	9	30
Methyl Tertiary Butyl Ether	N.D.	0.5	5.	ug/l	92	96	73-119	4	30

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

 Client Name: ConocoPhillips  
 Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
di-Isopropyl ether	N.D.	0.8	5.	ug/l	85	85	70-123	0	30
Ethyl t-butyl ether	N.D.	0.8	5.	ug/l	88	87	74-120	1	30
t-Amyl methyl ether	N.D.	0.8	5.	ug/l	89	89	79-113	0	30
t-Butyl alcohol	N.D.	10.	80.	ug/l	117	116	74-117	1	30
Chloromethane	N.D.	1.	5.	ug/l	71	82	47-122	14	30
Vinyl Chloride	N.D.	1.	5.	ug/l	78	82	54-123	5	30
Bromomethane	N.D.	1.	5.	ug/l	86	91	49-117	5	30
Chloroethane	N.D.	1.	5.	ug/l	78	80	54-117	2	30
Trichlorofluoromethane	N.D.	2.	5.	ug/l	105	102	59-128	3	30
1,1-Dichloroethene	N.D.	0.8	5.	ug/l	107	107	76-122	0	30
Methylene Chloride	N.D.	2.	5.	ug/l	106	105	85-120	1	30
trans-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	105	105	83-117	0	30
1,1-Dichloroethane	N.D.	1.	5.	ug/l	99	96	83-127	3	30
cis-1,2-Dichloroethene	N.D.	0.8	5.	ug/l	100	98	84-117	2	30
Chloroform	N.D.	0.8	5.	ug/l	108	105	77-125	3	30
1,1,1-Trichloroethane	N.D.	0.8	5.	ug/l	114	113	83-127	1	30
Carbon Tetrachloride	N.D.	1.	5.	ug/l	122	119	77-130	2	30
Benzene	N.D.	0.5	5.	ug/l	97	96	78-119	1	30
1,2-Dichloroethane	N.D.	1.	5.	ug/l	111	111	69-135	0	30
Trichloroethene	N.D.	1.	5.	ug/l	106	105	87-117	1	30
1,2-Dichloropropane	N.D.	1.	5.	ug/l	98	96	80-117	2	30
Bromodichloromethane	N.D.	1.	5.	ug/l	114	115	83-121	1	30
Toluene	N.D.	0.7	5.	ug/l	101	102	85-115	0	30
1,1,2-Trichloroethane	N.D.	0.8	5.	ug/l	106	103	86-113	3	30
Tetrachloroethene	N.D.	0.8	5.	ug/l	114	108	76-118	5	30
Dibromochloromethane	N.D.	1.	5.	ug/l	121*	117	78-119	3	30
Chlorobenzene	N.D.	0.8	5.	ug/l	106	105	85-115	1	30
Ethylbenzene	N.D.	0.8	5.	ug/l	96	96	82-119	0	30
m+p-Xylene	N.D.	0.8	5.	ug/l	104	102	83-113	2	30
o-Xylene	N.D.	0.8	5.	ug/l	101	101	83-113	0	30
Bromoform	N.D.	1.	5.	ug/l	112	114	69-118	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.	5.	ug/l	91	90	72-119	1	30
1,3-Dichlorobenzene	N.D.	1.	5.	ug/l	102	99	81-114	2	30
1,4-Dichlorobenzene	N.D.	1.	5.	ug/l	102	100	84-116	2	30
1,2-Dichlorobenzene	N.D.	1.	5.	ug/l	103	102	81-112	1	30
trans-1,3-Dichloropropene	N.D.	1.	5.	ug/l	94	93	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.	5.	ug/l	94	93	78-114	1	30
Freon 113	N.D.	2.	10.	ug/l	107	104	66-125	3	30

### Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 07239A31A TPH-GRO 8015B - soil	90	86	39-118	4	30	UNSPK: P136182			
Batch number: 07239A53A TPH-GRO 8015B - water	100		63-154			UNSPK: P136570			
Batch number: 07240A53A						UNSPK: P139628			

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

 Client Name: ConocoPhillips  
 Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

### Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
TPH-GRO 8015B - water	108		63-154						
Batch number: A072441AA	Sample number(s): 5136465 UNSPK: P139743								
Methyl Tertiary Butyl Ether	93	89	59-119	4	30				
di-Isopropyl ether	95	89	58-113	6	30				
Ethyl t-butyl ether	92	87	60-112	5	30				
t-Amyl methyl ether	91	87	63-112	4	30				
t-Butyl alcohol	92	92	51-134	0	30				
Chloromethane	87	77	38-115	11	30				
Vinyl Chloride	83	75	41-104	10	30				
Bromomethane	74	70	50-114	6	30				
Chloroethane	78	72	52-114	7	30				
Trichlorofluoromethane	85	78	39-122	8	30				
1,1-Dichloroethene	96	88	64-118	8	30				
Methylene Chloride	94	93	50-127	0	30				
trans-1,2-Dichloroethene	91	85	60-110	7	30				
1,1-Dichloroethane	95	88	65-115	7	30				
cis-1,2-Dichloroethene	90	84	67-110	6	30				
Chloroform	92	86	69-117	6	30				
1,1,1-Trichloroethane	90	83	64-118	8	30				
Carbon Tetrachloride	88	80	56-120	9	30				
Benzene	93	87	66-112	7	30				
1,2-Dichloroethane	94	90	62-130	4	30				
Trichloroethene	88	80	48-131	9	30				
1,2-Dichloropropane	92	88	64-112	4	30				
Bromodichloromethane	93	87	66-119	7	30				
Toluene	88	84	50-121	4	30				
1,1,2-Trichloroethane	94	90	64-118	3	30				
Tetrachloroethene	85	79	40-140	6	30				
Dibromochloromethane	96	91	67-113	6	30				
Chlorobenzene	88	82	58-109	7	30				
Ethylbenzene	92	87	54-116	6	30				
m+p-Xylene	90	85	52-117	5	30				
o-Xylene	96	90	52-117	6	30				
Bromoform	85	81	54-114	4	30				
1,1,2,2-Tetrachloroethane	97	91	37-142	6	30				
1,3-Dichlorobenzene	84	77	47-109	8	30				
1,4-Dichlorobenzene	82	76	47-109	7	30				
1,2-Dichlorobenzene	84	79	50-111	6	30				
Ethanol	98	99	35-148	2	30				
trans-1,3-Dichloropropene	85	82	60-110	4	30				
cis-1,3-Dichloropropene	86	81	56-112	6	30				
Freon 113	89	83	47-115	6	30				
Batch number: B072421AA	Sample number(s): 5136467, 5136469 UNSPK: P138327								
Methyl Tertiary Butyl Ether	98	97	59-119	1	30				
di-Isopropyl ether	81	88	58-113	9	30				
Ethyl t-butyl ether	86	89	60-112	3	30				
t-Amyl methyl ether	85	87	63-112	2	30				
t-Butyl alcohol	79	83	51-134	6	30				
Chloromethane	71	75	38-115	6	30				
Vinyl Chloride	61	67	41-104	11	30				
Bromomethane	63	64	50-114	1	30				

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

 Client Name: ConocoPhillips  
 Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

### Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Chloroethane	62	67	52-114	9	30				
Trichlorofluoromethane	72	78	39-122	8	30				
1,1-Dichloroethene	76	76	64-118	1	30				
Methylene Chloride	80	87	50-127	7	30				
trans-1,2-Dichloroethene	76	83	60-110	10	30				
1,1-Dichloroethane	81	88	65-115	7	30				
cis-1,2-Dichloroethene	75	80	67-110	7	30				
Chloroform	85	94	69-117	9	30				
1,1,1-Trichloroethane	80	88	64-118	10	30				
Carbon Tetrachloride	80	85	56-120	6	30				
Benzene	76	82	66-112	7	30				
1,2-Dichloroethane	104	111	62-130	6	30				
Trichloroethene	79	81	48-131	3	30				
1,2-Dichloropropane	84	83	64-112	1	30				
Bromodichloromethane	87	92	66-119	6	30				
Toluene	76	82	50-121	7	30				
1,1,2-Trichloroethane	92	91	64-118	1	30				
Tetrachloroethene	72	76	40-140	6	30				
Dibromochloromethane	89	99	67-113	11	30				
Chlorobenzene	77	87	58-109	12	30				
Ethylbenzene	78	86	54-116	11	30				
m+p-Xylene	76	83	52-117	9	30				
o-Xylene	81	89	52-117	9	30				
Bromoform	88	96	54-114	8	30				
1,1,2,2-Tetrachloroethane	94	94	37-142	1	30				
1,3-Dichlorobenzene	75	82	47-109	9	30				
1,4-Dichlorobenzene	75	84	47-109	12	30				
1,2-Dichlorobenzene	83	89	50-111	8	30				
Ethanol	72	74	35-148	2	30				
trans-1,3-Dichloropropene	91	92	60-110	1	30				
cis-1,3-Dichloropropene	82	86	56-112	5	30				
Freon 113	59	62	47-115	5	30				

Batch number: W072411AA	Sample number(s): 5136464,5136466,5136468,5136470 UNSPK: 5136464
Ethanol	92 32-164
Methyl Tertiary Butyl Ether	97 69-127
di-Isopropyl ether	89 68-129
Ethyl t-butyl ether	91 78-119
t-Amyl methyl ether	96 72-125
t-Butyl alcohol	83 70-121
Chloromethane	83 47-133
Vinyl Chloride	88 55-130
Bromomethane	97 52-129
Chloroethane	88 57-130
Trichlorofluoromethane	124 67-150
1,1-Dichloroethene	127 87-145
Methylene Chloride	114 79-133
trans-1,2-Dichloroethene	115 82-133
1,1-Dichloroethane	107 85-135
cis-1,2-Dichloroethene	108 83-126
Chloroform	116 83-139
1,1,1-Trichloroethane	129 81-142
Carbon Tetrachloride	140 82-149

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

 Client Name: ConocoPhillips  
 Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

### Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzene	106		83-128						
1,2-Dichloroethane	120		70-143						
Trichloroethene	116		83-136						
1,2-Dichloropropane	104		83-129						
Bromodichloromethane	122		80-137						
Toluene	110		83-127						
1,1,2-Trichloroethane	108		77-125						
Tetrachloroethene	126		78-133						
Dibromochloromethane	125*		82-119						
Chlorobenzene	113		83-120						
Ethylbenzene	103		82-129						
m+p-Xylene	112		82-130						
o-Xylene	107		82-130						
Bromoform	115		64-119						
1,1,2,2-Tetrachloroethane	95		73-121						
1,3-Dichlorobenzene	106		79-123						
1,4-Dichlorobenzene	106		81-122						
1,2-Dichlorobenzene	108		82-117						
trans-1,3-Dichloropropene	97		77-123						
cis-1,3-Dichloropropene	92		80-126						
Freon 113	131		78-146						

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-DRO by 8015B  
 Batch number: 072360011A  
 Orthoterphenyl

---

5136465	84
5136467	91
5136469	93
Blank	95
LCS	106
LCSD	102

---

Limits: 59-129

 Analysis Name: TPH-DRO (Waters)  
 Batch number: 072360012A  
 Orthoterphenyl

---

5136464	86
5136466	81
5136468	55*
5136470	89
Blank	94
LCS	108

---

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: ConocoPhillips  
Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

### Surrogate Quality Control

LCSD 107

Limits: 59-131

Analysis Name: TPH-GRO 8015B - soil  
Batch number: 07239A31A  
Trifluorotoluene-F

5136465	79
5136467	96
5136469	94
Blank	107
LCS	120
MS	106
MSD	102

Limits: 61-122

Analysis Name: TPH-GRO 8015B - water  
Batch number: 07239A53A  
Trifluorotoluene-F

5136464	83
Blank	83
LCS	86
LCSD	87
MS	87

Limits: 63-135

Analysis Name: TPH-GRO 8015B - water  
Batch number: 07240A53A  
Trifluorotoluene-F

5136466	85
5136468	81
5136470	78
Blank	82
LCS	85
LCSD	87
MS	87

Limits: 63-135

Analysis Name: EPA SW846/8260 (soil)  
Batch number: A072441AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5136465	90	90	93	88
Blank	91	92	94	88
LCS	91	91	96	92
MS	90	92	95	91
MSD	90	91	95	91

Limits: 71-114                      70-109                      70-123                      70-111

Analysis Name: EPA SW846/8260 (soil)  
Batch number: B072421AA

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: ConocoPhillips  
Reported: 09/10/07 at 03:03 PM

Group Number: 1052937

### Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5136467	97	86	93	85
5136469	95	91	93	84
Blank	94	96	93	88
LCS	94	92	97	97
MS	97	93	96	98
MSD	93	89	96	97
Limits:	71-114	70-109	70-123	70-111

Analysis Name: EPA SW846/8260 (water)  
Batch number: W072411AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5136464	104	93	96	85
5136466	104	93	96	86
5136468	105	98	95	84
5136470	105	97	95	84
Blank	103	94	97	87
LCS	102	97	101	98
LCSD	101	97	99	98
MS	104	98	99	98
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.





6602 Owens Drive, Suite 100  
 Pleasanton, CA 94588  
 Main Line: (925) 460-5300  
 Facsimile: (925) 463-2559

# CHAIN OF CUSTODY FORM

Project Name: 261128 Client: COP  
 Project Number: 34-75118-3166 Task: 75001  
 Global I.D.: \_\_\_\_\_  
 Project Address: 4707 First St, Livermore CA  
 Laboratory: Lancaster Labs Contact: Megan Mueller  
 Lab Address/Phone: Lancaster PA 717 656 2300  
 ATC Project Manager: Wayne Maxie jwayne.maxie@atcassociates.com  
 ATC PM Ph. No.: (925) 225-5209 Email: @atc-enviro.com  
 ATC Sampler: J Florio-Celt Phone: (925) 225-7916

Turnaround 10 day 3 day 2-8 hr  
 Time:  7 day 2 day other  
 (working days) 5 day 24 hr ( )

## Analyses Requested

ATC Sample ID	Sample Information			Container Information			Field Pt. I.D.- Check if same as Sample I.D.	TPHg/BTEX/MTBE (8015M/8021)	Confirm MTBE by GC/MS Fuel Oxygenates (8260B)	TPHg (8015M)/TPHg HVOCs (8040) 8260	SVOC's (8270)	VOCs (8260) BTEX	PP Metals (low detect) (7000/6010)	Cyanide, Total (335.2)	TPHg/BTEX/MTBE (8015M/8260B)	TPHg/BTEX/5 Fuel Oxy's (8260B)	TPHg/BTEX/5 Fuel Oxy's/1,2 DCA & EDB (8260B)	Ethanol 8260
	Date	Time	Matrix	No.	Type	Preser- vative												
B-1 W	8/21/07	1645	Soil	X	8	Voa/LAG HCl/			X	X		X						X
B-1 D-30'	✓	1610	Soil	X	1	Sleeve			X	X		X						X
B-4 W	8/22/07	1440	Water	X	8	Voa/LAG HCl/			X	X		X						X
B-4 D-21'	✓	1430	Soil	X	1	Sleeve			X	X		X						X
B-6 W	✓	1625	Water	X	8	Voa/LAG HCl/			X	X		X						X
B-6 D-19'	✓	1610	Soil	X	1	Sleeve			X	X		X						X
Duplicate B-4	✓	1450	Water	X	8	Voa/LAG HCl/			X	X		X						X

Additional Comments: Entos → 4880

EDF Format

Relinquished By: [Signature] Date/Time: 8/22/07 1615 Received By: [Signature] Date/Time: 4:15 8/22/07  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date/Time: 8/26/07 1620  
 Sample Condition. Good? Yes  No  On Ice? Yes  No  Cooler Temp \_\_\_\_\_ Transportation Method: \_\_\_\_\_ Page 1 of 1

## Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>fib &gt;5 um/ml</b>	fibers greater than 5 microns in length per ml
<b>&lt;</b>	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

### Organic Qualifiers

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>J</b>	Estimated value
<b>N</b>	Presumptive evidence of a compound (TICs only)
<b>P</b>	Concentration difference between primary and confirmation columns >25%
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

### Inorganic Qualifiers

<b>B</b>	Value is <CRDL, but ≥IDL
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike amount not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<b>+</b>	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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