

**Technical Report for****LT Environmental****Porter Federal 14-28****SGS Accutest Job Number: D94323R****Sampling Date: 05/26/17****Report to:****LT Environmental**  
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**Rifle, CO 81650**  
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**ATTN: Chris Mckisson****Total number of pages in report: 25**Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.

A handwritten signature in black ink.

**Scott Heideman**  
**Laboratory Director****Client Service contact: Jen Jorschumb 303-425-6021**Certifications: CO (CO00049), ID (CO00049), NE (NE-OS-06-04), ND (R-027), NJ (CO007), OK (D9942)  
UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L)This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

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Sample Summary

LT Environmental

Job No: D94323R

Porter Federal 14-28

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
D94323-1R	05/26/17	12:30 S	05/27/17	SO	Soil	CS-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## CASE NARRATIVE / CONFORMANCE SUMMARY

2

**Client:** LT Environmental

**Job No** D94323R

**Site:** Porter Federal 14-28

**Report Date** 6/15/2017 11:52:24 A

On 05/27/2017, 1 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at SGS Accutest Mountain States (SAMS) at a temperature of 2 °C. The samples were intact and properly preserved, unless noted below. An SAMS Job Number of D94323R was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

**Matrix:** SO

**Batch ID:** V5V2355

- All samples were analyzed within the recommended method holding time.
- Sample(s) D94323-1RMS, D94323-1RMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) and matrix spike duplicate (MSD) recovery(s) of Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike (MS) recovery(s) of Xylene (total) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The RPD(s) for the MS and MSD recoveries of Toluene are outside control limits for sample D94323-1RMSD. High RPD due to possible sample nonhomogeneity.
- Sample(s) D94323-1R, D94323-1RMS, D94323-1RMSD have surrogates outside control limits. Probable cause due to matrix interference.
- D94323-1R for Toluene-D8: Outside control limits due to interference. Confirmed by MS/MSD.
- D94323-1RMS and -RMSD for Toluene-D8: Outside control limits due to interference. Confirmed by MS/MSD.

### Volatiles by GC By Method SW846 8015B

**Matrix:** SO

**Batch ID:** GGA1868

- All samples were analyzed within the recommended method holding time.
- Sample(s) D94274-1MS, D94274-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

### Extractables by GC By Method SW846-8015B

**Matrix:** SO

**Batch ID:** OP15077

- All samples were extracted and analyzed within the recommended method holding time.
- Sample(s) D94447-1MS, D94447-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D94323-1R have surrogates outside control limits. Probable cause due to matrix interference.
- D94323-1R for o-Terphenyl: Outside control limits due to dilution. Matrix interference may also be a factor.

Thursday, June 15, 2017

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SAMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SAMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SAMS indicated via signature on the report cover.

Summary of Hits

Job Number: D94323R  
Account: LT Environmental  
Project: Porter Federal 14-28  
Collected: 05/26/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D94323-1R	CS-01					
Benzene		1.7	1.2	0.60	ug/kg	SW846 8260B
Toluene		81.9	2.4	1.2	ug/kg	SW846 8260B
Ethylbenzene		26.3	2.4	0.60	ug/kg	SW846 8260B
Xylene (total)		242000	1600	710	ug/kg	SW846 8260B
TPH-GRO (C6-C10)		2280	140	71	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		13300	600	540	mg/kg	SW846-8015B



**Sample Results**

**Report of Analysis**

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## Report of Analysis

Client Sample ID:	CS-01	Date Sampled:	05/26/17
Lab Sample ID:	D94323-1R	Date Received:	05/27/17
Matrix:	SO - Soil	Percent Solids:	82.6
Method:	SW846 8260B		
Project:	Porter Federal 14-28		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V42106A.D	1	05/31/17 13:22	MB	n/a	n/a	V5V2355
Run #2	5V42111A.D	1	05/31/17 15:52	MB	n/a	n/a	V5V2355
Run #3	5V42109A.D	1	05/31/17 14:51	MB	n/a	n/a	V5V2355

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.03 g	5.0 ml	
Run #2	5.03 g	5.0 ml	10.0 ul
Run #3	5.03 g	5.0 ml	100 ul

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.7	1.2	0.60	ug/kg	
108-88-3	Toluene	81.9	2.4	1.2	ug/kg	
100-41-4	Ethylbenzene	26.3	2.4	0.60	ug/kg	
1330-20-7	Xylene (total)	242000 <sup>a</sup>	1600	710	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	103%	99%	95%	70-130%
2037-26-5	Toluene-D8	154% <sup>b</sup>	100%	116%	70-130%
460-00-4	4-Bromofluorobenzene	80%	94%	80%	65-142%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	98%	70-130%

(a) Result is from Run# 2

(b) Outside control limits due to interference. Confirmed by MS/MSD.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	CS-01	Date Sampled:	05/26/17
Lab Sample ID:	D94323-1R	Date Received:	05/27/17
Matrix:	SO - Soil	Percent Solids:	82.6
Method:	SW846 8015B		
Project:	Porter Federal 14-28		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA38412A.D	1	05/31/17 02:46	MR	n/a	n/a	GGA1868
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2280	140	71	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	94%		60-140%		

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	CS-01	Date Sampled:	05/26/17
Lab Sample ID:	D94323-1R	Date Received:	05/27/17
Matrix:	SO - Soil	Percent Solids:	82.6
Method:	SW846-8015B SW846 3546		
Project:	Porter Federal 14-28		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FI54724A.D	25	06/07/17 13:00	GN	06/05/17	OP15077	GFI2292
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	13300	600	540	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	383% <sup>a</sup>		41-134%		

(a) Outside control limits due to dilution. Matrix interference may also be a factor.

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Misc. Forms**

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**Custody Documents and Other Forms**

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**Includes the following where applicable:**

- Chain of Custody

4036 Youngfield Street, Wheat Ridge, CO 80033  
TEL: 303-425-6021 FAX: 303-425-6854  
[www.acutest.com](http://www.acutest.com)

<b>LABORATORIES</b> 4036 Youngfield Street, Wheat Ridge, CO 80033 TEL: 303-425-6021 FAX: 303-425-6854 www.acctest.com		FED-EX Tracking # _____ Bottle Order Control # _____	
<b>Client / Reporting Information</b> Company Name: <b>LT Environmental</b> Street Address: <b>820 Megan Avenue Unit B</b> City: <b>Rifle, Colorado</b> Project Contact: <b>Chris McKisson</b> Phone #: <b>970.285.9995</b> Sampler(s) Name(s): <b>Steve Sivigliano</b>		<b>Project Information</b> Project Name: <b>Porter Federal 14-28</b> Street: _____ City: _____ State: _____ Billing Information (if different from Report to): Company Name: _____ Street Address: _____ City: _____ Project #: _____ Client Purchase Order #: _____ Project Manager: <b>Chris McKisson</b> Attention: _____	
<b>Requested Analysis (see TEST CODE sheet)</b> BTEX _____ TPH (GRO/DRO) _____		<b>Matrix Codes</b> DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
<b>Accident Sample #</b> _____		<b>LAB USE ONLY</b>	
<b>Field ID / Point of Collection</b> <b>CS-01</b>		<b>Collection</b> Date: <b>5/26/17</b> Time: <b>12:30</b> Sampled by: <b>SS</b> Matrix: <b>S</b> # of bottles: <b>2</b> Number of preserved bottles: HCl _____ NaOH _____ HNO3 _____ H2SO4 _____ NONE _____ DI Water _____ MCHN _____ ENCORE _____	
<b>Turnaround Time (Business days)</b> <input type="checkbox"/> Std. 15 Business Days <input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day Emergency <input type="checkbox"/> 2 Day Emergency <input type="checkbox"/> 1 Day Emergency <input checked="" type="checkbox"/> 5 Day Standard Turn Emergency & Rush TIA data available via LabLink		<b>Data Deliverable Information</b> <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> COMMEN <input type="checkbox"/> COMMEN+ <input type="checkbox"/> Commercial "A" = Results Only <input type="checkbox"/> Commercial "B" = Results + QC Summary <input type="checkbox"/> Commercial GN = Results + Narrative (+ = chromatograms) <input type="checkbox"/> State Forms Required <input type="checkbox"/> Send Forms to State <input type="checkbox"/> Report by Fax <input type="checkbox"/> Report by PDF <input type="checkbox"/> EDD Format	
<b>Comments / Special Instructions</b> Metals: <b>Be, Co, Cr, Cu, Fe, Ni, Pb, Se, Hg, Ag, Zn, S.S.</b> <b>cmckisson@Ltenv.com</b> <b>sivigliano@Ltenv.com</b> <b>dheld@Ltenv.com</b>		<b>Sample Custody must be documented below each time sample change possession, including courier delivery.</b>	
<b>Relinquished by Sampler:</b> <b>1 Steve Sivigliano</b> <b>3</b> <b>5</b>		<b>Received By:</b> <b>1</b> <b>3</b> <b>5</b>	
<b>Relinquished by Sampler:</b> <b>2</b> <b>4</b>		<b>Received By:</b> <b>2</b> <b>4</b>	
<b>Relinquished by:</b> <b>5</b>		<b>Received By:</b> <b>5</b>	
<b>Date Time:</b> <b>5/26/17 - 15:00</b>		<b>Date Time:</b> <b>5/26/17 - 15:00</b>	
<b>Date Time:</b> <b>5/26/17 - 15:00</b>		<b>Date Time:</b> <b>5/26/17 - 15:00</b>	
<b>Date Time:</b> <b>5/26/17 - 15:00</b>		<b>Date Time:</b> <b>5/26/17 - 15:00</b>	
<b>Custody Seal #</b> _____		<b>Intact</b> <input type="checkbox"/> <b>Not Intact</b> <input type="checkbox"/>	
<b>Preserved where applicable</b> <input type="checkbox"/>		<b>On Ice</b> <input type="checkbox"/>	

## D94323R: Chain of Custody

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**GC/MS Volatiles****QC Data Summaries**

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**Includes the following where applicable:**

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**

## Method Blank Summary

Page 1 of 1

Job Number: D94323R

Account: LTENVCOR LT Environmental

Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V2355-MB	5V42104.D	1	05/31/17	MB	n/a	n/a	V5V2355

The QC reported here applies to the following samples:

Method: SW846 8260B

D94323-1R

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	25	ug/kg	
100-41-4	Ethylbenzene	ND	100	25	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	110	50	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	102% 70-130%
2037-26-5	Toluene-D8	100% 70-130%
460-00-4	4-Bromofluorobenzene	100% 65-142%
17060-07-0	1,2-Dichloroethane-D4	97% 70-130%

## Method Blank Summary

Page 1 of 1

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V2355-MB	5V42105.D	1	05/31/17	MB	n/a	n/a	V5V2355

The QC reported here applies to the following samples:

Method: SW846 8260B

D94323-1R

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	103% 70-130%
2037-26-5	Toluene-D8	100% 70-130%
460-00-4	4-Bromofluorobenzene	99% 65-142%
17060-07-0	1,2-Dichloroethane-D4	97% 70-130%

## Blank Spike Summary

Page 1 of 1

Job Number: D94323R

Account: LTENVCOR LT Environmental

Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V2355-BS	5V42102.D	1	05/31/17	MB	n/a	n/a	V5V2355

The QC reported here applies to the following samples:

Method: SW846 8260B

D94323-1R

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	44.1	88	70-130
100-41-4	Ethylbenzene	50	44.6	89	70-130
108-88-3	Toluene	50	43.2	86	70-130
1330-20-7	Xylene (total)	150	133	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	65-142%
17060-07-0	1,2-Dichloroethane-D4	104%	70-130%

\* = Outside of Control Limits.



# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D94323-1RMS	5V42107A.D	1	05/31/17	MB	n/a	n/a	V5V2355
D94323-1RMSD	5V42108A.D	1	05/31/17	MB	n/a	n/a	V5V2355
D94323-1R	5V42106A.D	1	05/31/17	MB	n/a	n/a	V5V2355
D94323-1R	5V42109A.D	1	05/31/17	MB	n/a	n/a	V5V2355

The QC reported here applies to the following samples:

Method: SW846 8260B

D94323-1R

CAS No.	Compound	D94323-1R ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.7	60.3	48.9	81	59.7	47.0	79	4	43-135/30
100-41-4	Ethylbenzene	26.3	60.3	51.0	85	59.7	62.9	105	21	30-144/30
108-88-3	Toluene	81.9	60.3	91.1	-1806* <sup>a</sup>	59.7	137	-1747* <sup>a</sup>	40* <sup>b</sup>	27-144/30
1330-20-7	Xylene (total)	242000 <sup>c</sup>	181	4600	-131251 <sup>a</sup>	179	4250	-132754 <sup>a</sup>	8 <sup>a</sup>	13-154/30

CAS No.	Surrogate Recoveries	MS	MSD	D94323-1R	D94323-1R	Limits
1868-53-7	Dibromofluoromethane	103%	103%	103%	95%	70-130%
2037-26-5	Toluene-D8	145%* <sup>d</sup>	139%* <sup>d</sup>	154%* <sup>d</sup>	116%	70-130%
460-00-4	4-Bromofluorobenzene	87%	85%	80%	80%	65-142%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	100%	98%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.

(b) High RPD due to possible sample nonhomogeneity.

(c) Result is from Run #3.

(d) Outside control limits due to interference. Confirmed by MS/MSD.

\* = Outside of Control Limits.

**GC Volatiles****QC Data Summaries**

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**Includes the following where applicable:**

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**

Method Blank Summary

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA1868-MB	GA38396.D	1	05/30/17	MR	n/a	n/a	GGA1868

The QC reported here applies to the following samples: Method: SW846 8015B

D94323-1R

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	115% 60-140%

7.1.1  
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Blank Spike Summary

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA1868-BS	GA38397.D	1	05/30/17	MR	n/a	n/a	GGA1868

The QC reported here applies to the following samples: Method: SW846 8015B

D94323-1R

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	111	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	117%	60-140%

\* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D94274-1MS	GA38400.D	1	05/30/17	MR	n/a	n/a	GGA1868
D94274-1MSD	GA38401.D	1	05/30/17	MR	n/a	n/a	GGA1868
D94274-1	GA38399.D	1	05/30/17	MR	n/a	n/a	GGA1868

The QC reported here applies to the following samples: Method: SW846 8015B

D94323-1R

CAS No.	Compound	D94274-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	91.9		163	225	82	163	227	83	1	70-131/30

CAS No.	Surrogate Recoveries	MS	MSD	D94274-1	Limits
120-82-1	1,2,4-Trichlorobenzene	125%	115%	111%	60-140%

\* = Outside of Control Limits.

**GC Semi-volatiles****QC Data Summaries**

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**Includes the following where applicable:**

- **Method Blank Summaries**
- **Blank Spike Summaries**
- **Matrix Spike and Duplicate Summaries**

Method Blank Summary

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15077-MB	FI54683.D	1	06/06/17	GN	06/05/17	OP15077	GFI2291

The QC reported here applies to the following samples: Method: SW846-8015B

D94323-1R

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	10	9.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	89% 41-134%

8.1.1  
8

Blank Spike Summary

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15077-BS	FI54685.D	1	06/06/17	GN	06/05/17	OP15077	GFI2291

The QC reported here applies to the following samples: Method: SW846-8015B

D94323-1R

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	250	233	93	35-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	41-134%

\* = Outside of Control Limits.



Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D94323R  
Account: LTENVCOR LT Environmental  
Project: Porter Federal 14-28

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15077-MS	FI54687.D	1	06/06/17	GN	06/05/17	OP15077	GFI2291
OP15077-MSD	FI54689.D	1	06/06/17	GN	06/05/17	OP15077	GFI2291
D94447-1	FI54691.D	1	06/07/17	GN	06/05/17	OP15077	GFI2291

The QC reported here applies to the following samples: Method: SW846-8015B

D94323-1R

CAS No.	Compound	D94447-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		255	220	86	256	209	82	5	10-171/30

CAS No.	Surrogate Recoveries	MS	MSD	D94447-1	Limits
84-15-1	o-Terphenyl	87%	85%	82%	41-134%

\* = Outside of Control Limits.