



DOCUMENT #2232948

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.)

RECEIVED 5/13/2013

1. OGCC Operator Number: 96850 4. Contact Name: Karolina Blaney
2. Name of Operator: WPX Energy Rocky Mountain, LLC
3. Address: 1058 County Road 215 City: Parachute State: CO Zip: 81635
5. API Number 05-045-06563 OGCC Facility ID Number 311560
6. Well/Facility Name: MV 25-17 7. Well/Facility Number MV 25-17
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): SESE, S17, T6S, R96W, 6th PM
9. County: Garfield 10. Field Name: Grand Valley
11. Federal, Indian or State Lease Number: NA

General Notice

CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)
CHANGE SPACING UNIT
CHANGE OF OPERATOR (prior to drilling):
CHANGE WELL NAME
ABANDONED LOCATION:
NOTICE OF CONTINUED SHUT IN STATUS
SPUD DATE:
REQUEST FOR CONFIDENTIAL STATUS
SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK
RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.

Technical Engineering/Environmental Notice

Notice of Intent
Report of Work Done
Intent to Recomplete (submit form 2)
Request to Vent or Flare
E&P Waste Disposal
Change Drilling Plans
Repair Well
Beneficial Reuse of E&P Waste
Gross Interval Changed?
Rule 502 variance requested
Status Update/Change of Remediation Plans
Casing/Cementing Program Change
Other:
for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Karolina Blaney Date: 5/13/2013 Email: Karolina.Blaney@wpxenergy.com
Print Name: Karolina Blaney Title: Environmental Specialist

COGCC Approved: Title: Date:

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE

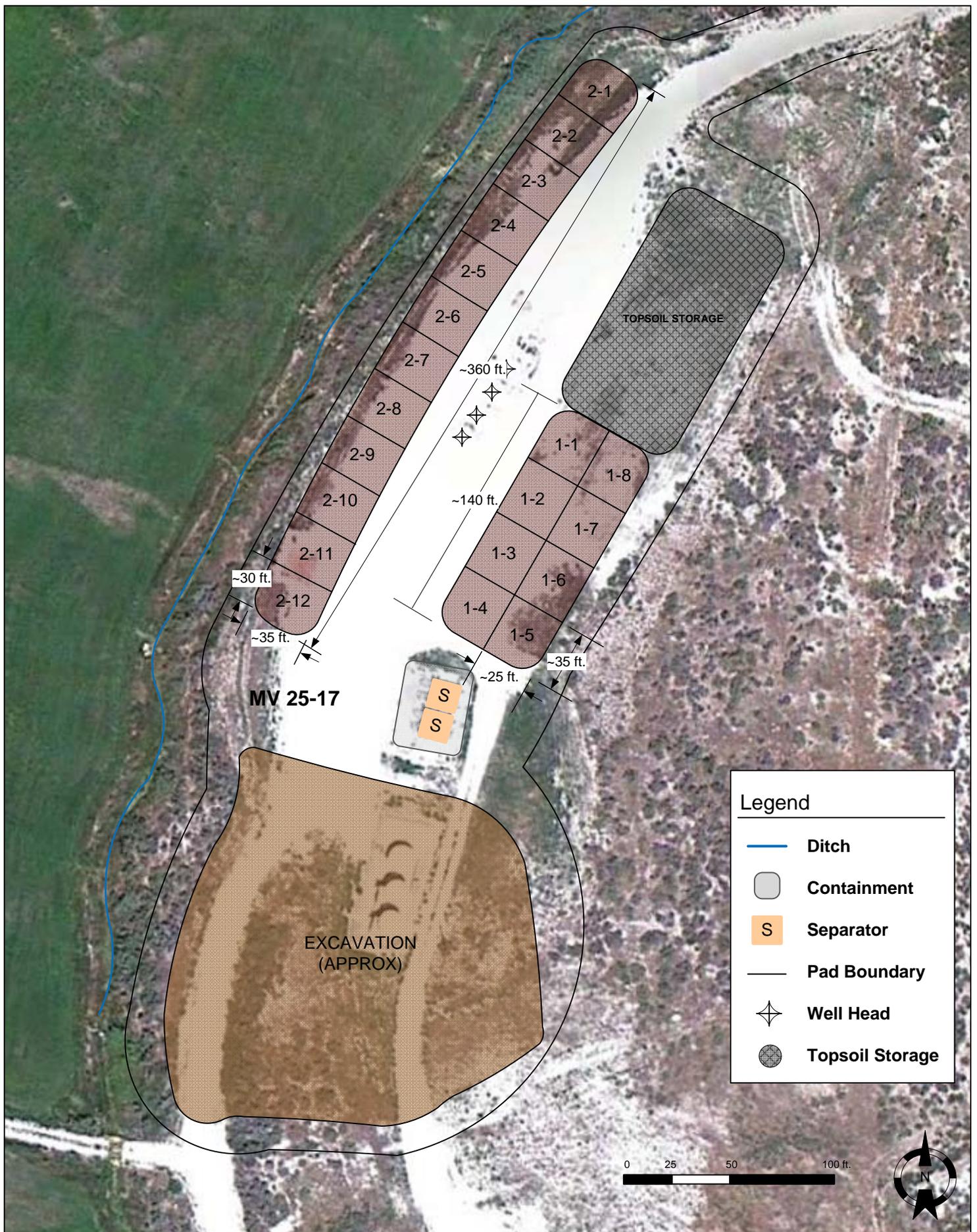


FOR OGCC USE ONLY

1. OGCC Operator Number: _____	API Number: _____
2. Name of Operator: _____	OGCC Facility ID # _____
3. Well/Facility Name: _____	Well/Facility Number: _____
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): _____	

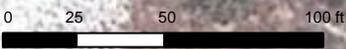
This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**



Legend

-  Ditch
-  Containment
-  Separator
-  Pad Boundary
-  Well Head
-  Topsoil Storage



PROJECT NO:	012-1538
DRAWN BY:	KJG
DATE:	5/10/13

Landfarm Sampling Diagram
Location: MV 25-17
 WPX Energy Rocky Mountain, LLC



760 Horizon Drive, Suite 102
 Grand Junction, CO 81506
 TEL 970.263.7800
 FAX 970.263.7456

FIGURE
 1

Technical Report for

WPX Energy Rocky Mountain, LLC

CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Accutest Job Number: D45890

Sampling Date: 05/04/13

Report to:

Olsson Associates
760 Horizon Drive Suite 102
Grand Junction, CO 81505
tdobransky@olssonassociates.com; karolina.blaney@wpxenergy.com
ATTN: Tim Dobransky

Total number of pages in report: 33



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.



Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: D45890-1: MV 25-17 LF 1-1 (0-24 IN.)	7
4.2: D45890-2: MV 25-17 LF 1-6 (0-24 IN.)	11
Section 5: Misc. Forms	15
5.1: Chain of Custody	16
Section 6: GC/MS Volatiles - QC Data Summaries	18
6.1: Method Blank Summary	19
6.2: Blank Spike Summary	20
6.3: Matrix Spike/Matrix Spike Duplicate Summary	21
Section 7: GC/MS Semi-volatiles - QC Data Summaries	22
7.1: Method Blank Summary	23
7.2: Blank Spike Summary	24
7.3: Matrix Spike/Matrix Spike Duplicate Summary	25
Section 8: GC Volatiles - QC Data Summaries	26
8.1: Method Blank Summary	27
8.2: Blank Spike Summary	28
8.3: Matrix Spike/Matrix Spike Duplicate Summary	29
Section 9: GC Semi-volatiles - QC Data Summaries	30
9.1: Method Blank Summary	31
9.2: Blank Spike Summary	32
9.3: Matrix Spike/Matrix Spike Duplicate Summary	33

1

2

3

4

5

6

7

8

9



Sample Summary

WPX Energy Rocky Mountain, LLC

Job No: D45890

CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D45890-1	05/04/13	12:05 TPD	05/07/13	SO	Soil	MV 25-17 LF 1-1 (0-24 IN.)
D45890-2	05/04/13	12:15 TPD	05/07/13	SO	Soil	MV 25-17 LF 1-6 (0-24 IN.)

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



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: WPX Energy Rocky Mountain, LLC

Job No D45890

Site: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Report Date 5/8/2013 4:46:58 PM

On 05/07/2013, 2 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 3.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D45890 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.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix SO	Batch ID: OP7816
------------------	-------------------------

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D45890-1MS, D45890-1MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015B

Matrix SO	Batch ID: GGB1114
------------------	--------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D45850-1MS, D45850-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015B

Matrix SO	Batch ID: OP7817
------------------	-------------------------

- All samples were extracted and analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D45890-2MS, D45890-2MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix SO	Batch ID: GN20056
------------------	--------------------------

- The data for SM19 2540B M meets quality control requirements.

AMS 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.

AMS 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 AMS indicated via signature on the report cover.

Summary of Hits

Job Number: D45890
Account: WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING
Collected: 05/04/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
D45890-1	MV 25-17 LF 1-1 (0-24 IN.)					
Toluene		176	130	63	ug/kg	SW846 8260B
Ethylbenzene		32.0 J	130	24	ug/kg	SW846 8260B
Xylene (total)		497	250	130	ug/kg	SW846 8260B
TPH-GRO (C6-C10)		9.91 J	13	6.3	mg/kg	SW846 8015B
TPH-DRO (C10-C28)		52.9	7.6	5.7	mg/kg	SW846-8015B
D45890-2	MV 25-17 LF 1-6 (0-24 IN.)					
TPH-DRO (C10-C28)		69.4	7.6	5.7	mg/kg	SW846-8015B

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MV 25-17 LF 1-1 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-1	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.8
Method: SW846 8260B	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V26830.D	1	05/07/13	BD	n/a	n/a	V5V1631
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.07 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	63	32	ug/kg	
108-88-3	Toluene	176	130	63	ug/kg	
100-41-4	Ethylbenzene	32.0	130	24	ug/kg	J
1330-20-7	Xylene (total)	497	250	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		64-130%
460-00-4	4-Bromofluorobenzene	109%		62-131%
17060-07-0	1,2-Dichloroethane-D4	92%		70-130%

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

4.1
4

Report of Analysis

Client Sample ID: MV 25-17 LF 1-1 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-1	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.8
Method: SW846 8270C BY SIM SW846 3546	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G14458.D	1	05/07/13	DC	05/07/13	OP7816	E3G705
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

COGCC Table 910-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.5	4.9	ug/kg	
120-12-7	Anthracene	ND	9.5	4.9	ug/kg	
56-55-3	Benzo(a)anthracene	ND	9.5	4.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	9.5	4.9	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	9.5	4.9	ug/kg	
50-32-8	Benzo(a)pyrene	ND	9.5	4.9	ug/kg	
218-01-9	Chrysene	ND	9.5	4.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	9.5	4.9	ug/kg	
206-44-0	Fluoranthene	ND	9.5	4.9	ug/kg	
86-73-7	Fluorene	ND	9.5	5.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	9.5	4.9	ug/kg	
91-20-3	Naphthalene	ND	13	12	ug/kg	
129-00-0	Pyrene	ND	9.5	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		10-159%
321-60-8	2-Fluorobiphenyl	86%		19-131%
1718-51-0	Terphenyl-d14	97%		18-150%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MV 25-17 LF 1-1 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-1	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.8
Method: SW846 8015B	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB20367.D	1	05/07/13	BD	n/a	n/a	GGB1114
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	9.91	13	6.3	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	95%		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

4.1
4

Report of Analysis

Client Sample ID: MV 25-17 LF 1-1 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-1	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.8
Method: SW846-8015B SW846 3546	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH010063.D	1	05/07/13	TU	05/07/13	OP7817	GFH564
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	52.9	7.6	5.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	75%		35-130%		

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

4.1
4

Report of Analysis

Client Sample ID: MV 25-17 LF 1-6 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-2	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.6
Method: SW846 8260B	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V26833.D	1	05/07/13	BD	n/a	n/a	V5V1631
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	64	32	ug/kg	
108-88-3	Toluene	ND	130	64	ug/kg	
100-41-4	Ethylbenzene	ND	130	24	ug/kg	
1330-20-7	Xylene (total)	ND	260	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		64-130%
460-00-4	4-Bromofluorobenzene	109%		62-131%
17060-07-0	1,2-Dichloroethane-D4	95%		70-130%

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

4.2
4

Report of Analysis

Client Sample ID: MV 25-17 LF 1-6 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-2	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.6
Method: SW846 8270C BY SIM SW846 3546	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G14461.D	1	05/07/13	DC	05/07/13	OP7816	E3G705
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

COGCC Table 910-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.5	4.9	ug/kg	
120-12-7	Anthracene	ND	9.5	4.9	ug/kg	
56-55-3	Benzo(a)anthracene	ND	9.5	4.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	9.5	4.9	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	9.5	4.9	ug/kg	
50-32-8	Benzo(a)pyrene	ND	9.5	4.9	ug/kg	
218-01-9	Chrysene	ND	9.5	4.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	9.5	4.9	ug/kg	
206-44-0	Fluoranthene	ND	9.5	4.9	ug/kg	
86-73-7	Fluorene	ND	9.5	5.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	9.5	4.9	ug/kg	
91-20-3	Naphthalene	ND	13	12	ug/kg	
129-00-0	Pyrene	ND	9.5	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		10-159%
321-60-8	2-Fluorobiphenyl	85%		19-131%
1718-51-0	Terphenyl-d14	95%		18-150%

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

4.2
4

Report of Analysis

Client Sample ID: MV 25-17 LF 1-6 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-2	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.6
Method: SW846 8015B	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB20368.D	1	05/07/13	BD	n/a	n/a	GGB1114
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	13	6.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	92%		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

4.2
4

Report of Analysis

Client Sample ID: MV 25-17 LF 1-6 (0-24 IN.)	Date Sampled: 05/04/13
Lab Sample ID: D45890-2	Date Received: 05/07/13
Matrix: SO - Soil	Percent Solids: 87.6
Method: SW846-8015B SW846 3546	
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH010064.D	1	05/07/13	TU	05/07/13	OP7817	GFH564
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	69.4	7.6	5.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	82%		35-130%		

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

4.2
4

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: D45890

Client: OLSSON ASS.

Immediate Client Services Action Required: No

Date / Time Received: 5/7/2013 9:50:00 AM

No. Coolers: 1

Client Service Action Required at Login: No

Project: MV-17 LANDFARM SAMPLING

Airbill #'s: Fedex

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:			Infrared gun
3. Cooler media:			Ice (bag)

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:			Intact

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume rec'd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Accutest Laboratories
V:(303) 425-6021

4036 Youngfield Street
F: (303) 425-6854

Wheat Ridge, CO
www.accutest.com

5.1
5

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V1631-MB	5V26828.D	1	05/07/13	BD	n/a	n/a	V5V1631

The QC reported here applies to the following samples:

Method: SW846 8260B

D45890-1, D45890-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	25	ug/kg	
100-41-4	Ethylbenzene	ND	100	19	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	200	100	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
2037-26-5	Toluene-D8	99%	64-130%
460-00-4	4-Bromofluorobenzene	108%	62-131%
17060-07-0	1,2-Dichloroethane-D4	97%	70-130%

Blank Spike Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V1631-BS	5V26829.D	1	05/07/13	BD	n/a	n/a	V5V1631

The QC reported here applies to the following samples:

Method: SW846 8260B

D45890-1, D45890-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	2500	2530	101	70-130
100-41-4	Ethylbenzene	2500	2640	106	70-130
108-88-3	Toluene	2500	2460	98	70-130
1330-20-7	Xylene (total)	7500	7680	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	101%	64-130%
460-00-4	4-Bromofluorobenzene	100%	62-131%
17060-07-0	1,2-Dichloroethane-D4	95%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D45890-1MS	5V26831.D	1	05/07/13	BD	n/a	n/a	V5V1631
D45890-1MSD	5V26832.D	1	05/07/13	BD	n/a	n/a	V5V1631
D45890-1	5V26830.D	1	05/07/13	BD	n/a	n/a	V5V1631

The QC reported here applies to the following samples:

Method: SW846 8260B

D45890-1, D45890-2

CAS No.	Compound	D45890-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD	
71-43-2	Benzene	ND		3160	3190	101	3300	105	3	64-139/30
100-41-4	Ethylbenzene	32.0	J	3160	3290	103	3270	103	1	68-136/30
108-88-3	Toluene	176		3160	3130	94	3130	94	0	60-130/30
1330-20-7	Xylene (total)	497		9470	9900	99	9860	99	0	58-142/30

CAS No.	Surrogate Recoveries	MS	MSD	D45890-1	Limits
2037-26-5	Toluene-D8	101%	99%	103%	64-130%
460-00-4	4-Bromofluorobenzene	111%	108%	109%	62-131%
17060-07-0	1,2-Dichloroethane-D4	94%	93%	92%	70-130%

* = Outside of Control Limits.

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7816-MB	3G14456.D	1	05/07/13	DC	05/07/13	OP7816	E3G705

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

D45890-1, D45890-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	8.3	4.3	ug/kg	
120-12-7	Anthracene	ND	8.3	4.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	8.3	4.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	8.3	4.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	8.3	4.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	8.3	4.3	ug/kg	
218-01-9	Chrysene	ND	8.3	4.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	8.3	4.3	ug/kg	
206-44-0	Fluoranthene	ND	8.3	4.3	ug/kg	
86-73-7	Fluorene	ND	8.3	5.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	8.3	4.3	ug/kg	
91-20-3	Naphthalene	ND	12	10	ug/kg	
129-00-0	Pyrene	ND	8.3	4.3	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
4165-60-0	Nitrobenzene-d5	87%	10-159%
321-60-8	2-Fluorobiphenyl	89%	19-131%
1718-51-0	Terphenyl-d14	120%	18-150%

7.1.1
7

Blank Spike Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7816-BS	3G14457.D	1	05/07/13	DC	05/07/13	OP7816	E3G705

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

D45890-1, D45890-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	83.3	80.9	97	68-130
120-12-7	Anthracene	83.3	81.1	97	67-130
56-55-3	Benzo(a)anthracene	83.3	77.3	93	65-130
205-99-2	Benzo(b)fluoranthene	83.3	64.4	77	44-130
207-08-9	Benzo(k)fluoranthene	83.3	85.7	103	56-131
50-32-8	Benzo(a)pyrene	83.3	74.3	89	62-130
218-01-9	Chrysene	83.3	83.8	101	70-130
53-70-3	Dibenzo(a,h)anthracene	83.3	85.2	102	55-130
206-44-0	Fluoranthene	83.3	72.6	87	70-130
86-73-7	Fluorene	83.3	81.5	98	70-130
193-39-5	Indeno(1,2,3-cd)pyrene	83.3	83.6	100	56-130
91-20-3	Naphthalene	83.3	86.8	104	70-130
129-00-0	Pyrene	83.3	91.5	110	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	90%	10-159%
321-60-8	2-Fluorobiphenyl	93%	19-131%
1718-51-0	Terphenyl-d14	111%	18-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7816-MS	3G14459.D	1	05/07/13	DC	05/07/13	OP7816	E3G705
OP7816-MSD	3G14460.D	1	05/07/13	DC	05/07/13	OP7816	E3G705
D45890-1	3G14458.D	1	05/07/13	DC	05/07/13	OP7816	E3G705

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

D45890-1, D45890-2

CAS No.	Compound	D45890-1 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND	94.8	86.7	91	97.0	102	11	25-151/30	
120-12-7	Anthracene	ND	94.8	96.4	102	102	107	6	39-159/30	
56-55-3	Benzo(a)anthracene	ND	94.8	99.0	104	104	110	5	39-168/30	
205-99-2	Benzo(b)fluoranthene	ND	94.8	84.9	90	88.4	93	4	24-163/30	
207-08-9	Benzo(k)fluoranthene	ND	94.8	80.3	85	88.5	93	10	10-188/30	
50-32-8	Benzo(a)pyrene	ND	94.8	82.0	86	84.3	89	3	32-144/30	
218-01-9	Chrysene	ND	94.8	92.7	98	96.8	102	4	43-150/30	
53-70-3	Dibenzo(a,h)anthracene	ND	94.8	100	105	106	112	6	21-152/30	
206-44-0	Fluoranthene	ND	94.8	90.4	95	93.8	99	4	36-157/30	
86-73-7	Fluorene	ND	94.8	97.1	102	103	109	6	10-182/30	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	94.8	93.5	99	98.8	104	6	20-154/30	
91-20-3	Naphthalene	ND	94.8	99.5	105	118	124	17	10-163/30	
129-00-0	Pyrene	ND	94.8	102	108	107	113	5	25-180/30	

CAS No.	Surrogate Recoveries	MS	MSD	D45890-1	Limits
4165-60-0	Nitrobenzene-d5	71%	83%	85%	10-159%
321-60-8	2-Fluorobiphenyl	74%	90%	86%	19-131%
1718-51-0	Terphenyl-d14	88%	93%	97%	18-150%

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB1114-MB	GB20360.D	1	05/07/13	BD	n/a	n/a	GGB1114

The QC reported here applies to the following samples:

Method: SW846 8015B

D45890-1, D45890-2

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	99% 60-140%

Blank Spike Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB1114-BS	GB20361.D	1	05/07/13	BD	n/a	n/a	GGB1114

The QC reported here applies to the following samples:

Method: SW846 8015B

D45890-1, D45890-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	115	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	108%	60-140%

8.2.1

8

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D45850-1MS	GB20363.D	1	05/07/13	BD	n/a	n/a	GGB1114
D45850-1MSD	GB20364.D	1	05/07/13	BD	n/a	n/a	GGB1114
D45850-1	GB20362.D	1	05/07/13	BD	n/a	n/a	GGB1114

The QC reported here applies to the following samples:

Method: SW846 8015B

D45890-1, D45890-2

CAS No.	Compound	D45850-1 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	138	145	105	145	105	0	70-130/30	

CAS No.	Surrogate Recoveries	MS	MSD	D45850-1	Limits
120-82-1	1,2,4-Trichlorobenzene	110%	105%	100%	60-140%

8.3.1
8

* = Outside of Control Limits.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7817-MB	FH010059.D	1	05/07/13	TU	05/07/13	OP7817	GFH564

The QC reported here applies to the following samples:

Method: SW846-8015B

D45890-1, D45890-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	6.7	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	94% 35-130%

Blank Spike Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7817-BS	FH010060.D	1	05/07/13	TU	05/07/13	OP7817	GFH564

The QC reported here applies to the following samples:

Method: SW846-8015B

D45890-1, D45890-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	667	555	83	48-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	35-130%

9.2.1

9

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D45890
Account: WILLCOP WPX Energy Rocky Mountain, LLC
Project: CORCCOGJ: MV 25-17 LANDFARM SAMPLING

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP7817-MS	FH010061.D	1	05/07/13	TU	05/07/13	OP7817	GFH564
OP7817-MSD	FH010062.D	1	05/07/13	TU	05/07/13	OP7817	GFH564
D45890-2	FH010064.D	1	05/07/13	TU	05/07/13	OP7817	GFH564

The QC reported here applies to the following samples:

Method: SW846-8015B

D45890-1, D45890-2

CAS No.	Compound	D45890-2 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	69.4	761	589	68	672	79	13	20-168/30

CAS No.	Surrogate Recoveries	MS	MSD	D45890-2	Limits
84-15-1	o-Terphenyl	68%	83%	82%	35-130%

9.3.1
9

* = Outside of Control Limits.