

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division Approval and Conditions
(C-144)

Application Type:

☐ Temporary Pit ☐ Multi-Well Fluid Management Pit

☒ **Below Grade Tank** ☒ Other: Remediation Plan

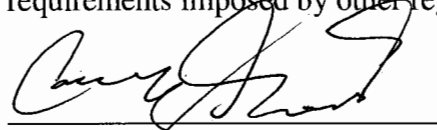
Site information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-043-20080	JAIR	1	WPX ENERGY PRODUCTION, LLC	O	A	Sandoval	J	H	7	22	N	5	W

Conditions of Approval:

OCD has received WPX Remediation plan and request for alternative closure submitted on May 7, 2015. After review of the remediation plan OCD has approved WPX submitted remediation plan to spray potassium permanganate to the entirety of the excavation and close the excavation with alternative closure standards. Please include pictures of the application of potassium permanganate inside the BGT Closure report.

Please note: OCD Approval does not relieve WPX Energy from any additional requirements imposed by other regulatory agencies,



NMOCD Approved by Signature

5/7/15
Date



721. South Main Street
Aztec, NM 87410

OIL CONS. DIV DIST. 3

MAY 07 2015

May 05, 2015

Corey Smith
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Dear Mr. Smith

In reference to the Jair #001 API# 30-043-20080 BGT tank removal I have attached the analytical results from the sampling results from 4/30/2015. The East Wall and Bottom of the excavated area are above the closure standards.

WPX Energy has demonstrated they have removed contaminants to a practical extent. It has been determined that is not practical to have equipment enter the site due to the slope of the east wall to remove soil. There is approximately 30 x 20 feet of sandstone on the bottom of the affected area. Continuing digging of the area will further expose existing two inch production line pipe.

In lieu of additional excavation WPX Energy would like to apply potassium permanganate to the bottom and side walls of the excavated area. WPX Energy will hire a third party consultant to perform this work.

WPX Energy requests your approval to close out the following project with the proposed plan. Please let me know if you request any further information regarding this matter.

Thank you,

Vanessa Fields
Environmental Specialist

Encl: /
Envirotech's Analytical results
Cc: /
Environmental file.

MAY 05 2015

Analytical Report**Report Summary**

Client: WPX Energy, Inc.

Chain Of Custody Number:

Samples Received: 4/30/2015 8:23:00AM

Job Number: 04108-0136

Work Order: P504084

Project Name/Location: Jair Tank Battery

Entire Report Reviewed By:



Date: 5/4/15

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 5/4/15 3:41 pm

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1 South Wall	P504084-01A	Soil	04/29/15	04/30/15	Glass Jar, 4 oz.
#2 East Wall	P504084-02A	Soil	04/29/15	04/30/15	Glass Jar, 4 oz.
#3 Southwest Wall	P504084-03A	Soil	04/29/15	04/30/15	Glass Jar, 4 oz.
#4 North Wall	P504084-04A	Soil	04/29/15	04/30/15	Glass Jar, 4 oz.
#5 Northwest Wall	P504084-05A	Soil	04/29/15	04/30/15	Glass Jar, 4 oz.
#6 Bottom	P504084-06A	Soil	04/29/15	04/30/15	Glass Jar, 4 oz.

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

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Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

#1 South Wall
P504084-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	0.74	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Toluene	0.69	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Ethylbenzene	0.63	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
p,m-Xylene	1.09	0.20	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
o-Xylene	0.61	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Total Xylenes	1.70	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Total BTEX	3.76	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		82.4 %		50-150	1518012	04/30/15	04/30/15	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	13.5	9.98	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: o-Terphenyl		99.0 %		50-200	1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		75.1 %		50-150	1518012	04/30/15	04/30/15	EPA 8015D	

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Project Name: Jarr Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

#2 East Wall
P504084-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	0.22	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Toluene	0.76	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Ethylbenzene	1.39	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
p,m-Xylene	10.5	0.20	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
o-Xylene	1.64	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Total Xylenes	12.1	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Total BTEX	14.5	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %		50-150	1518012	04/30/15	04/30/15	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	338	10.0	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8015D	
Diesel Range Organics (C10-C28)	833	24.9	mg/kg	1	1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: o-Terphenyl		119 %		50-200	1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.3 %		50-150	1518012	04/30/15	04/30/15	EPA 8015D	

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Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

#3 Southwest Wall
P504084-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
p,m-Xylene	0.35	0.20	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Total Xylenes	0.35	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
Total BTEX	0.35	0.10	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %		50-150	1518012	04/30/15	04/30/15	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	18.6	9.97	mg/kg	1	1518012	04/30/15	04/30/15	EPA 8015D	
Diesel Range Organics (C10-C28)	28.0	24.9	mg/kg	1	1518016	04/30/15	04/30/15	EPA 8015D	
<i>Surrogate: o-Terphenyl</i>		97.2 %		50-200	1518016	04/30/15	04/30/15	EPA 8015D	
<i>Surrogate: 4-Bromochlorobenzene-FID</i>		83.3 %		50-150	1518012	04/30/15	04/30/15	EPA 8015D	

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Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

#4 North Wall
P504084-04 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %		50-150		1518012	04/30/15	04/30/15	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	24.2	9.98	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8015D	
Diesel Range Organics (C10-C28)	588	25.0	mg/kg	1		1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: o-Terphenyl		109 %		50-200		1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.0 %		50-150		1518012	04/30/15	04/30/15	EPA 8015D	

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Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

#5 Northwest Wall
P504084-05 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
Ethylbenzene	0.58	0.10	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
p,m-Xylene	3.14	0.20	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
o-Xylene	1.18	0.10	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
Total Xylenes	4.31	0.10	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
Total BTEX	4.89	0.10	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		108 %		50-150	1518012	04/30/15	04/30/15	04/30/15	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	97.9	9.97	mg/kg	1	1518012	04/30/15	04/30/15	04/30/15	EPA 8015D	
Diesel Range Organics (C10-C28)	738	25.0	mg/kg	1	1518016	04/30/15	04/30/15	04/30/15	EPA 8015D	
Surrogate: o-Terphenyl		119 %		50-200	1518016	04/30/15	04/30/15	04/30/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		92.0 %		50-150	1518012	04/30/15	04/30/15	04/30/15	EPA 8015D	

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Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

#6 Bottom
P504084-06 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Toluene	0.30	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Ethylbenzene	0.66	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
p,m-Xylene	4.18	0.20	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
o-Xylene	0.92	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Total Xylenes	5.10	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Total BTEX	6.06	0.10	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150		1518012	04/30/15	04/30/15	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	159	9.99	mg/kg	1		1518012	04/30/15	04/30/15	EPA 8015D	
Diesel Range Organics (C10-C28)	1120	25.0	mg/kg	1		1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: o-Terphenyl		134 %		50-200		1518016	04/30/15	04/30/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		95.9 %		50-150		1518012	04/30/15	04/30/15	EPA 8015D	

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Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1518012 - Purge and Trap EPA 5030A

Blank (1518012-BLK1)

Prepared: 29-Apr-15 Analyzed: 30-Apr-15

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							

Surrogate: 4-Bromochlorobenzene-PID	0.369		"	0.399		92.4	50-150			
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LCS (1518012-BS1)

Prepared: 29-Apr-15 Analyzed: 30-Apr-15

Benzene	21.3	0.10	mg/kg	20.0		107	75-125			
Toluene	21.9	0.10	"	20.0		110	70-125			
Ethylbenzene	21.5	0.10	"	20.0		108	75-125			
p,m-Xylene	42.7	0.20	"	39.9		107	80-125			
o-Xylene	20.4	0.10	"	20.0		102	75-125			

Surrogate: 4-Bromochlorobenzene-PID	0.351		"	0.399		87.9	50-150			
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Matrix Spike (1518012-MS1)

Source: P504077-01

Prepared: 29-Apr-15 Analyzed: 30-Apr-15

Benzene	20.7	0.10	mg/kg	20.0	ND	104	75-125			
Toluene	21.7	0.10	"	20.0	ND	108	70-125			
Ethylbenzene	21.3	0.10	"	20.0	ND	106	75-125			
p,m-Xylene	42.4	0.20	"	39.9	ND	106	80-125			
o-Xylene	20.4	0.10	"	20.0	ND	102	75-125			

Surrogate: 4-Bromochlorobenzene-PID	0.366		"	0.399		91.6	50-150			
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Matrix Spike Dup (1518012-MSD1)

Source: P504077-01

Prepared: 29-Apr-15 Analyzed: 30-Apr-15

Benzene	20.8	0.10	mg/kg	20.0	ND	104	75-125	0.296	15	
Toluene	21.5	0.10	"	20.0	ND	108	70-125	0.702	15	
Ethylbenzene	21.1	0.10	"	20.0	ND	106	75-125	0.653	15	
p,m-Xylene	42.0	0.20	"	39.9	ND	105	80-125	0.865	15	
o-Xylene	20.3	0.10	"	20.0	ND	102	75-125	0.597	15	

Surrogate: 4-Bromochlorobenzene-PID	0.378		"	0.399		94.8	50-150			
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Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1518012 - Purge and Trap EPA 5030A										
Blank (1518012-BLK1)				Prepared: 29-Apr-15 Analyzed: 30-Apr-15						
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.325		"	0.399		81.3	50-150			
LCS (1518012-BS1)				Prepared: 29-Apr-15 Analyzed: 30-Apr-15						
Gasoline Range Organics (C6-C10)	284	9.98	mg/kg	266		107	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.312		"	0.399		78.2	50-150			
Matrix Spike (1518012-MS1)				Source: P504077-01		Prepared: 29-Apr-15 Analyzed: 30-Apr-15				
Gasoline Range Organics (C6-C10)	280	9.98	mg/kg	266	ND	105	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.324		"	0.399		81.1	50-150			
Matrix Spike Dup (1518012-MSD1)				Source: P504077-01		Prepared: 29-Apr-15 Analyzed: 30-Apr-15				
Gasoline Range Organics (C6-C10)	278	9.98	mg/kg	266	ND	105	75-125	0.543	15	
Surrogate: 4-Bromochlorobenzene-FID	0.329		"	0.399		82.4	50-150			

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WPX Energy, Inc.
PO Box 21218
Tulsa OK, 74121-1358

Project Name: Jair Tank Battery
Project Number: 04108-0136
Project Manager: Vanessa Fields

Reported:
04-May-15 15:51

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1518016 - DRO Extraction EPA 3550M										
Blank (1518016-BLK1)				Prepared & Analyzed: 30-Apr-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	39.2		"	40.0		98.1	50-200			
LCS (1518016-BS1)				Prepared & Analyzed: 30-Apr-15						
Diesel Range Organics (C10-C28)	743	25.0	mg/kg	499		149	38-132			SPK1
Surrogate: o-Terphenyl	46.7		"	39.9		117	50-200			
Matrix Spike (1518016-MS1)				Source: P504084-01		Prepared & Analyzed: 30-Apr-15				
Diesel Range Organics (C10-C28)	727	24.9	mg/kg	499	ND	146	38-132			SPK1
Surrogate: o-Terphenyl	48.8		"	39.9		122	50-200			
Matrix Spike Dup (1518016-MSD1)				Source: P504084-01		Prepared & Analyzed: 30-Apr-15				
Diesel Range Organics (C10-C28)	606	24.9	mg/kg	499	ND	121	38-132	18.1	20	
Surrogate: o-Terphenyl	41.0		"	39.9		103	50-200			

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Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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CHAIN OF CUSTODY RECORD

17442

Rush

Client: WPX Energy	Project Name / Location: Jair Tank Battery	ANALYSIS / PARAMETERS														
Email results to: Vanessa Fields	Sample Name: Vanessa Fields	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.: 505-419-6219	Client No.: 04108-0136															

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (M)	BTEX	VOC (M)	RCRA	Cation	RCI	TCLP	CO Ta	TPH (M)	CHLO					Sample	Sample
					HNO ₃	HCl																	
1 South Well	4/29/15	1:30pm	P50408401	1402				X	X													✓	✓
2 East Well			02																				
3 Southwest Well			03																				
4 North Well			04																				
5 Northwest Well	✓	✓	05	✓				✓	✓													✓	✓
6 Bottom	✓	✓	06	✓				✓	✓													✓	✓

Relinquished by: (Signature) <i>[Signature]</i>	Date 4/29/15	Time 6:50pm	Received by: (Signature) <i>[Signature]</i>	Date 4/30/15	Time 8:23
Relinquished by: (Signature)			Received by: (Signature)		
Sample Matrix Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐					

☐ Sample(s) dropped off after hours to secure drop off area.


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 Analytical Laboratory

5.2 6.1 6.4
5.9