District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised April 3, 2017

			Pala	asa Natific	atio	n and Co	orrective A	ction				
			Ken	asc Mount	alio	OPERA'		Ctioi	_	al Report	\boxtimes	Final Repor
Name of Co	mnany W	PX Energy I	Production	n II.C			oorah Watson		Z IIIII	ат Керогі		т шат керог
Address PO		1 A Lifergy 1	Toductio	ii, EEC			No. 505-333-18	80				
		2308 06H #3	895H			Facility Typ						
				Min and C		Endonal			A DI No	20 145 2	5552	
Surface Ow	ner Federa	11		Mineral C	wner	rederai				. 30-145-3		5000
				LOCA	OITA	N OF RE	LEASE		30.	-045	-50	2023
Unit Letter H	Section 06	Township 23N	Range 08W	Feet from the 1687	Nort	h/South Line North	Feet from the 291		West Line East		Coun San Ju	
			La			ongitude W	107.71517 NAI	D83				
Type of Rele	ase Produce	ed Water		IVAI	UKI		Release 7 bbl		Volume F	Recovered 6	5 bbl	
		non water dun	np line			_	Iour of Occurrence	e		Hour of Dis		
Was Immedia	ate Notice C		Yes	No 🛛 Not Re	equired	If YES, To Cory Smith	Whom? n (NMOCD) phor	ne call a	nd text			
By Whom?						Date and H	Iour 4/12/17 12:2	20 pm				
Was a Water	course Reac		Yes 🛛	No		If YES, Vo	olume Impacting t	he Wate	ercourse.			
If a Watercou N/A	irse was Imp	pacted, Descri	ibe Fully.*									
A hole in the	facility con		lump line				secondary contain	ment. A	A hydrovac	truck was ca	alled to	the location
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*			OIL	CONS	. DIV DI	ST. 3		
		ick recovered		released fluids.					27 2017			
• Cle					emoval	and disposal	of impacted soil.	Repairs	to the dum	p line were	compl	eted on April
(GI	RO/DRO/M	RO), and chlo	orides.				he remediated are					
whi	ich includes	the laborator	y analytica	al report is enclose	ed.)		Remediation Act					
							knowledge and und perform correct					
public health	or the envir	ronment. The	acceptanc	e of a C-141 repo	ort by th	ne NMOCD m	arked as "Final Re	eport" d	loes not reli	eve the oper	rator of	fliability
							on that pose a three					
federal, state,				tance of a C-141	report	does not reliev	e the operator of i	respons	ibility for co	ompliance w	71th any	other
rederar, state,							OIL CONS	SFRV	ATION	DIVISIO	N	
G:	Numan	Wath					OIL COIN	<u>JLIC V</u>	ATTON	DIVINO	1	
Signature:												
Printed Name	: Deborah	Watson				Approved by Environmental Specialist:						
Title: Environ	nmental Spe	ecialist				Approval Dat	5122117		Expiration 1	Date:		
E-mail Addre	E-mail Address: deborah.watson@wpxenergy.com						Genditions of Approval: Tracident H Attached					
Date: April	26, 2017		Phone:	505-333-1880		MYFI	7142504	443	3			

Chaco 2308 06H #395H Release Report April 2017

1.0 Introduction

On April 11, 2017, a release of approximately 7 barrels of produced water occurred at the Chaco 2308 06H #395, located in Section 6, Township 23N, Range 8W, San Juan County, New Mexico. A hole in the facility common water dump line was discovered below the liner within secondary containment. A hydrovac truck was called to the location to recover the released fluids and expose the underground pipeline for repair. Cleanup at the location consisted of recovery of released fluids, repair of hole in dump line, and removal and disposal of impacted soil.

A topographic map of the location is included as Figure 1 and an aerial map is included as Figure 2.

2.0 Release Summary

Well Location: Chaco 2308 06H #395H

API #:30-045-35553

Location Description: Unit Letter H, Section 6, Township 23N, Range 8W

Wellhead Latitude/Longitude: N36.25897, W107.71498 Release Latitude/Longitude: N36.25941, W107.71517

Release Discovery: April 11, 2017

Land Jurisdiction: Federal

Agency Notification: New Mexico Oil Conservation Division (NMOCD)

Agency Notification Date(s): April 12, 2017 Source of Release: Hole in water dump line

Release Contents: Produced Water

Volume Released: approximately 7 barrels *Volume Recovered:* approximately 6.5 barrels

NMOCD Ranking: 10

3.0 NMOCD Ranking

In accordance with NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993), this location was assigned a ranking score of 10. Recommended Remediation Action Levels (RRAL) for impacted soils at the location are as follows: 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 1,000 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

- *Groundwater:* Depth to groundwater at the location is 140 feet below ground surface (bgs) based on the April 2015 ground bed drilling log for the Chaco 2308 06H #395H.
- Water Wells: A review was completed of the New Mexico Office of the State Engineer Online New Mexico Water Rights Reporting System and no water wells were identified within a 1,000 feet radius of the location.
- Surface Water: An unnamed wash is located approximately 445 feet south-southeast of the release.

Chaco 2308 06H #395H Release Report April 2017

4.0 Field Activities

A hydrovac truck was called to the location upon discovery and an estimated 6.5 barrels of fluids were recovered. On April 11, 2017, a portion of the liner was cut and crews began removing impacted soil from within secondary containment to expose the hole in the dump line. Repairs to the line were completed on April 12, 2017. Produced water and produced water impacted soils were removed from the location and transported to Envirotech Landfarm for disposal.

5.0 Soil Sampling

On April 12, 2017, WPX received permission from NMOCD to proceed with confirmation soil sampling at the location. Three confirmation soil samples (SC-1 through SC-3) were collected from within the produced water impacted area. Soil samples composited for laboratory analysis were placed into laboratory supplied glassware, labeled, and shipped on ice to Hall Environmental Analysis Laboratory. Each sample was analyzed for the following:

- BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B,
- TPH (GRO/DRO/MRO) per USEPA Method 8015M/D, and
- Chlorides per USEPA Method 300.0.

6.0 Analytical Results

Laboratory analytical results for soil confirmation samples (SC-1 through SC-3) reported benzene and BTEX concentrations below NMOCD RRAL of 10 mg/kg and 50 mg/kg, respectively. All soil confirmation samples reported TPH concentrations below the NMOCD RRAL of 1,000 mg/kg. Chloride concentrations were reported at 2,000 mg/kg (SC-1), 2,800 mg/kg (SC-2), and 4,400 mg/kg (SC-3).

Sample locations and summary of analytical results are included as Figure 3. The analytical laboratory reports are attached.

7.0 Conclusions

On April 11, 2017, a hole was discovered in the facility common water dump line at the Chaco 2308 06H #395H, located in Section 6, Township 23N, Range 8W, San Juan County, New Mexico. Cleanup consisted of greater than 92 percent recovery of released fluids and removal of impacted soils from the location. Confirmation samples were collected from the location on April 12, 2017. Laboratory analytical results for confirmation samples SC-1 through SC-3 reported benzene, total BTEX, and TPH (GRO/DRO) concentrations below the applicable NMOCD RRAL.

On April 13, 2017, WPX received verbal approval from Cory Smith, NMOCD, to backfill the excavation and repair the liner. Repairs to the liner were completed on April 14, 2017. On April 26, 2017, WPX received approval from Cory Smith to apply gypsum and rake impacted produced water soil located outside of secondary containment (see attached email). No further work is recommended.

For additional information or questions regarding location conditions, please contact me at 505-333-1880.

Chaco 2308 06H #395H Release Report April 2017

Sincerely,

Deborah Watson

Environmental Specialist

Debruh Water

Attachments

Figure 1. Topographic Map

Figure 2. Aerial Map

Figure 3. Soil Sample Location Map

Hall Analytical Laboratory Report (Order #1704545 and #1704560)

Email Approval NMOCD

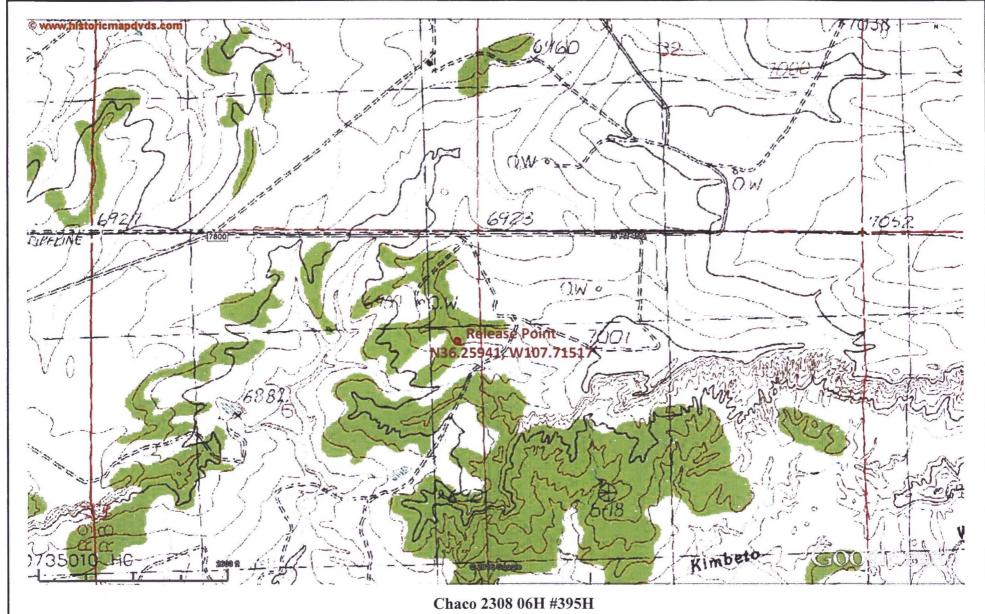


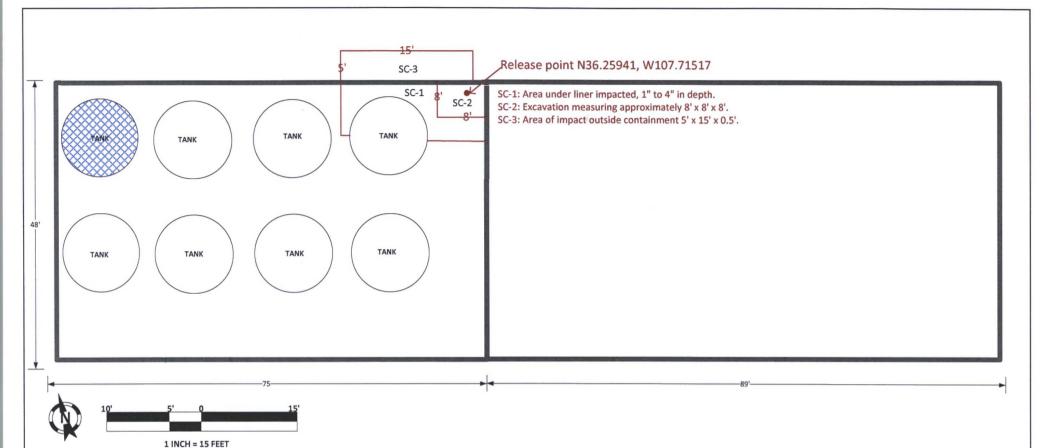
Figure 1. Topographic Map Section 6, Township 23N, Range 8W N36.25897, W107.71498

San Juan County, NM

Reinase Point N36.25941, W107.71517

Coopic early

Chaco 2308 06H #395H Figure 2. Aerial Map Section 6, Township 23N, Range 8W N36.25897, W107.71498 San Juan County, NM



,									
Soil Sam	oling Result	s Summary							
				Total	TPH as	TPH as	TPH as	Total TPH	
Sample			Benzene	BTEX	DRO	GRO	MRO	(GRO/DRO)	Chloride
Name	Date	Location	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SC-1	12-Apr-17	Around Tanks	<0.019	<0.168	<10	<3.7	<50	<13.7	2,000
SC-2	12-Apr-17	Excavation	0.26	5.03	38	310	<47	348	2,800
SC-3	12-Apr-17	Outside Containment	<0.023	<0.211	<9.5	<4.7	<48	<14.2	4,400

Chaco 2308 06H #395H Figure 3. Soil Sample Location Map

Section 6, Township 23N, Range 8W N36.25897, W107.71498 San Juan County, NM



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 14, 2017

Debbie Watson

WPX Energy

721 S Main Ave

Aztec, NM 87410

TEL: (505) 333-1880

FAX

RE: Chaco 2308 06H #395H

OrderNo.: 1704545

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/13/2001 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1704545

Date Reported: 4/14/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-1

Project:

Chaco 2308 06H #395H

Collection Date: 4/12/2017 12:30:00 PM

Lab ID:

1704545-001

Matrix: SOIL

Received Date: 4/13/2001 7:52:00 AM

Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	2000	75	mg/Kg	50	4/13/2017 1:55:15 PM	31223
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst	AG
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	4/13/2017 1:24:16 PM	B42100
Surr: BFB	97.4	70-130	%Rec	1	4/13/2017 1:24:16 PM	B42100
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/13/2017 9:28:03 AM	31222
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/13/2017 9:28:03 AM	31222
Surr: DNOP	109	70-130	%Rec	1	4/13/2017 9:28:03 AM	31222
EPA METHOD 8260B: VOLATILES SH	ORT LIST				Analyst	AG
Benzene	ND	0.019	mg/Kg	1	4/13/2017 1:24:16 PM	A42100
Toluene	ND	0.037	mg/Kg	1	4/13/2017 1:24:16 PM	A42100
Ethylbenzene	ND	0.037	mg/Kg	1	4/13/2017 1:24:16 PM	A42100
Xylenes, Total	ND	0.075	mg/Kg	1	4/13/2017 1:24:16 PM	A42100
Surr: 1,2-Dichloroethane-d4	81.9	70-130	%Rec	1	4/13/2017 1:24:16 PM	A42100
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	4/13/2017 1:24:16 PM	A42100
Surr: Dibromofluoromethane	90.9	70-130	%Rec	1	4/13/2017 1:24:16 PM	A42100
Surr: Toluene-d8	107	70-130	%Rec	1	4/13/2017 1:24:16 PM	A42100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1704545

Date Reported: 4/14/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-2

Project: Chaco 2308 06H #395H

Collection Date: 4/12/2017 12:35:00 PM

Lab ID: 1704545-002

Matrix: SOIL

Received Date: 4/13/2001 7:52:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	2800	150	mg/Kg	100	4/13/2017 2:07:39 PM	31223
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	AG
Gasoline Range Organics (GRO)	310	14	mg/Kg	5	4/13/2017 9:30:08 AM	B42100
Surr: BFB	118	70-130	%Rec	5	4/13/2017 9:30:08 AM	B42100
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	TOM
Diesel Range Organics (DRO)	38	9.4	mg/Kg	1	4/13/2017 9:50:11 AM	31222
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/13/2017 9:50:11 AM	31222
Surr: DNOP	111	70-130	%Rec	1	4/13/2017 9:50:11 AM	31222
EPA METHOD 8260B: VOLATILES S	SHORT LIST				Analyst	AG
Benzene	0.26	0.070	mg/Kg	5	4/13/2017 9:30:08 AM	A42100
Toluene	1.2	0.14	mg/Kg	5	4/13/2017 9:30:08 AM	A42100
Ethylbenzene	0.47	0.14	mg/Kg	5	4/13/2017 9:30:08 AM	A42100
Xylenes, Total	3.1	0.28	mg/Kg	5	4/13/2017 9:30:08 AM	A42100
Surr: 1,2-Dichloroethane-d4	103	70-130	%Rec	5	4/13/2017 9:30:08 AM	A42100
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	4/13/2017 9:30:08 AM	A42100
Surr: Dibromofluoromethane	99.8	70-130	%Rec	5	4/13/2017 9:30:08 AM	A42100
Surr: Toluene-d8	101	70-130	%Rec	5	4/13/2017 9:30:08 AM	A42100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704545 14-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID MB-31223

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 31223

RunNo: 42101

%RPD

Prep Date: 4/13/2017

Analysis Date: 4/13/2017 PQL

SeqNo: 1322446

Units: mg/Kg

HighLimit

RPDLimit Qual

Analyte Chloride

ND 1.5

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Sample ID LCS-31223

Batch ID: 31223

RunNo: 42101

Prep Date: 4/13/2017

Analysis Date: 4/13/2017

SeqNo: 1322447

Units: mg/Kg

Analyte

Client ID:

Prep Date:

Result

Result

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC LowLimit

HighLimit

14

15.00

96.4

LowLimit 90 110 %RPD **RPDLimit** Qual

Qual

Chloride

Sample ID MB-31223 **PBS**

4/13/2017

SampType: MBLK Batch ID: 31223

PQL

1.5

TestCode: EPA Method 300.0: Anions

SPK value SPK Ref Val %REC LowLimit

RunNo: 42123

SeqNo: 1323292

HighLimit

Units: mg/Kg

%RPD

RPDLimit

Analyte

ND

Chloride

1.5

Analysis Date: 4/13/2017

Oualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank В

E Value above quantitation range

P

Analyte detected below quantitation limits I

Sample pH Not In Range

RL Reporting Detection Limit Sample container temperature is out of limit as specified Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704545 14-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID MB-31222 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 31222 RunNo: 42086 Prep Date: 4/13/2017 Analysis Date: 4/13/2017 SeqNo: 1321896 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 11 10.00 112 130

Sample ID LCS-31222 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS Client ID: LCSS Batch ID: 31222 RunNo: 42086 Prep Date: 4/13/2017 Analysis Date: 4/13/2017 SeqNo: 1321918 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 51 10 50.00 102 63.8 116 Surr: DNOP 5.3 5.000 106 70 130

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1704545

14-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID rb Client ID: PBS		ype: ME		TestCode: EPA Method 8260B: Volatiles Short List RunNo: 42100							
Prep Date:	Analysis D	Analysis Date: 4/13/2017			SeqNo: 1	322677	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.6	70	130				
Surr: 4-Bromofluorobenzene	0.53		0.5000		105	70	130				
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130				
Surr: Toluene-d8	0.51		0.5000		102	70	130				

Sample ID 100ng Ics	SampT	ype: LC	s	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: LCSS	Batch	ID: A4	2100	F	RunNo: 4	2100				
Prep Date:	Analysis D	ate: 4/	13/2017	8	SeqNo: 1	322698	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	70	130			
Toluene	0.92	0.050	1.000	0	92.4	70	130			
Surr: 1,2-Dichloroethane-d4	0.42		0.5000		83.9	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		109	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.8	70	130			
Surr: Toluene-d8	0.48		0.5000	0 96.1 70 130						

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 5 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704545

14-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID rb

SampType: MBLK

Batch ID: **B42100**

TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID:

PQL

5.0

RunNo: 42100

Prep Date:

Analyte

Analysis Date: 4/13/2017

SeqNo: 1322714

LowLimit

Units: mg/Kg

130

HighLimit

RPDLimit

Gasoline Range Organics (GRO)

ND

%RPD

Qual

Surr: BFB

490

Result

500.0

97.6

70

Sample ID 2.5ug gro lcs

SampType: LCS

TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: LCSS

Batch ID: **B42100**

RunNo: 42100

Prep Date:

Analysis Date: 4/13/2017

SeqNo: 1322716

Units: mg/Kg

Analyte

Result PQL

SPK value SPK Ref Val %REC

HighLimit LowLimit

%RPD **RPDLimit**

Qual

Gasoline Range Organics (GRO) Surr: BFB

25

500.0

101 97.8

130

490 70

SPK value SPK Ref Val %REC

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits I
- Page 6 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

WPX ENERGY Work Order Number: 1704545 RcptNo: 1 Client Name: 4/13/2001 7:52:00 AM Received By: **Anne Thome** an Il Completed By: Anne Thorne 4/13/2017 8:09:55 AM 4/13/17 Reviewed By: Chain of Custody No 🗍 Not Present ✓ 1. Custody seals intact on sample bottles? Yes . No 🗌 Not Present Yes 🗸 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In No 🗌 NA 🗌 Yes 🗹 4. Was an attempt made to cool the samples? No 🗌 NA 🗌 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No 🗆 Yes V 6. Sample(s) in proper container(s)? No 🗌 Yes V 7. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗸 8. Are samples (except VOA and ONG) properly preserved? No V NA 🗌 Yes 9. Was preservative added to bottles? Yes No 🗌 No VOA Vials 10. VOA vials have zero headspace? Yes No 🗸 11. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: Yes 🗸 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 13. Are matrices correctly identified on Chain of Custody? Yes V Yes V No 🗆 14. Is it clear what analyses were requested? No 🗌 Yes 🗸 Checked by: 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes No 🗌 NA 🗹 16. Was client notified of all discrepancies with this order? Person Notified: Date By Whom: eMail Phone Fax In Person Via: Regarding: **Client Instructions:** 17. Additional remarks: 18. Cooler Information Cooler No Temp °C Condition | Seal Intact | Seal No Seal Date 1.0 Good Yes

C	hain	-of-Cu	stody Record	Turn-Around	Time:									T					
Client:	WPX	Freig	4	☐ Standard	X Rush	Sameday. H #395H												TOI	
Mailing	Address	POLID	Azke NM 87410	Chann ?	208 06	H #395H	_				w.ha								
		670,	AZKE NM 87410	Project #:	300 00					wkins		,*							
		333 L	8, 1.0	,				1 e	. 505	5-345-		Analy		505- Rea				4-, -	
			satson@wpxeneray.com	Project Mana	ger:			2	6		T								
	Package:		☐ Level 4 (Full Validation)	Dwa			+ TMB's (8021)	Gas on	OWIR		IMS)		PO4,SO	PCB's					
Accredi	tation		r	Sampler: D Of Se Sample Fem		⊡ No	+ TMB's	+ TPH (CONDR	(1.8.1)	8270 S		3,NO ₂ ,	/ 8082		4)			(S)
□ EDD	(Type)				oranja til na sila sila	10	AT THE	BE.	9	4 b	oor	tals	N,	ides	8	-40/	3		2
Date	Time	Matrix	Sample Request ID	Container Type and # Mest+Kct	Preservative Type	HEALNO 1704545	BTEX + INF	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO DDRO) MRO	TPH (Method 418.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	chlindes		Air Bubbles (Y or N)
4-12-17	1230	8rl	80-1	1-402	cel	701	X		X								×		
4-12-17			SC-2	1-407	old	702	X		X								X		
								H	+	-	-							+	+
									+		+								
Date:	Time: 1814	Relinquisher Relinquisher	uh Tilatson	Received by:	Wasts	Date Time 1/12/17 18/4 Date Time 104/13/17	Ren	narks	:										
1141	f necessary,	samples subr	mitted to Hall Environmental may be sub-	contracted to other a	ccredited laboratorie	es. This serves as notice of this	possi	bility. A	ny sut	b-contrac	ted dat	a will b	e clea	rly nota	ated or	n the a	nalytic	al report.	



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 24, 2017

Debbie Watson

WPX Energy

721 S Main Ave

Aztec, NM 87410

TEL: (505) 333-1880

FAX

RE: Chaco 2308 06H #395H

OrderNo.: 1704560

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/13/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1704560

Date Reported: 4/24/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Client Sample ID: SC-3

Project: Chaco 2308 06H #395H

Collection Date: 4/12/2017 12:40:00 PM

Lab ID:

1704560-001

Matrix: SOIL

Received Date: 4/13/2017 7:52:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS			*)		Analyst	MRA
Chloride	4400	300	mg/Kg	200	4/20/2017 5:01:34 PM	31315
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/14/2017 1:14:27 PM	31224
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/14/2017 1:14:27 PM	31224
Surr: DNOP	78.2	70-130	%Rec	1	4/14/2017 1:14:27 PM	31224
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/14/2017 1:08:16 PM	31227
Surr: BFB	90.4	54-150	%Rec	1	4/14/2017 1:08:16 PM	31227
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.023	mg/Kg	1	4/14/2017 1:08:16 PM	31227
Toluene	ND	0.047	mg/Kg	1	4/14/2017 1:08:16 PM	31227
Ethylbenzene	ND -	0.047	mg/Kg	1	4/14/2017 1:08:16 PM	31227
Xylenes, Total	ND	0.094	mg/Kg	1	4/14/2017 1:08:16 PM	31227
Surr: 4-Bromofluorobenzene	107	66.6-132	%Rec	1	4/14/2017 1:08:16 PM	31227

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 5 J
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704560

24-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID MB-31315

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 31315

RunNo: 42222

Prep Date: 4/19/2017

Analysis Date: 4/19/2017 Result

SeqNo: 1327296

Units: mg/Kg

Analyte

PQL

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit %RPD

Qual

Chloride

ND 1.5

Sample ID LCS-31315

Prep Date: 4/19/2017

SampType: Ics

14

Result

TestCode: EPA Method 300.0: Anions

SeqNo: 1327297

Client ID: LCSS

Batch ID: 31315

RunNo: 42222

Units: mg/Kg

110

Analyte

Analysis Date: 4/19/2017

1.5

SPK value SPK Ref Val

SPK value SPK Ref Val %REC

0

RPDLimit

Chloride

Client ID:

Prep Date:

PQL

Batch ID: 31315

Analysis Date: 4/20/2017

PQL

15.00

%REC 95.1

LowLimit

HighLimit

%RPD

%RPD

Qual

Sample ID MB-31315

4/19/2017

PBS

SampType: mblk

TestCode: EPA Method 300.0: Anions

SeqNo: 1328675

RunNo: 42250

Units: mg/Kg

HighLimit

RPDLimit

Qual

Analyte

ND

Chloride

1.5

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank В

E Value above quantitation range

Reporting Detection Limit

J Analyte detected below quantitation limits Page 2 of 5

P Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1704560

24-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID MB-31224	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 31	224	R	RunNo: 4	2116				
Prep Date: 4/13/2017	Analysis D	ate: 4/	14/2017	S	SeqNo: 1	322866	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.3	70	130			

Sample ID LCS-31224 SampType: LCS TestCode: EPA Method 8015M/D: Diese										
Client ID: LCSS	Batch	ID: 312	224	R	unNo: 4	2116				
Prep Date: 4/13/2017	Analysis Da	ate: 4/	14/2017	S	SeqNo: 1	322869	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.7	63.8	116			
Surr: DNOP	4.3		5.000		85.5	70	130			

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
 - puantitation limits Page 3 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704560 24-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID MB-31227

SampType: MBLK

Client ID: **PBS**

Batch ID: 31227

ND

RunNo: 42121

%REC

91.3

TestCode: EPA Method 8015D: Gasoline Range

Prep Date:

4/13/2017

Units: mg/Kg

Analyte

Analysis Date: 4/14/2017 Result PQL SPK value SPK Ref Val

5.0

SeqNo: 1323585

HighLimit

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

910

1000

TestCode: EPA Method 8015D: Gasoline Range

150

%RPD

Sample ID LCS-31227 Client ID:

LCSS

SampType: LCS Batch ID: 31227

RunNo: 42121

101

100

Prep Date:

4/13/2017

Analysis Date: 4/14/2017

SeqNo: 1323586

54

LowLimit

54

Units: mg/Kg

Analyte Surr: BFB

Gasoline Range Organics (GRO)

Result PQL 5.0

SPK value SPK Ref Val %REC

0

0

LowLimit

HighLimit

RPDLimit Qual

Sample ID 1704560-001AMS1

SampType: MS

25

1000

Result

27

950

28

960

150 TestCode: EPA Method 8015D: Gasoline Range

125

Client ID: SC-3

4/13/2017

Batch ID: 31227

RunNo: 42121 SeqNo: 1323588

Units: mg/Kg

%RPD

Analyte Gasoline Range Organics (GRO)

Prep Date:

Analysis Date: 4/14/2017 PQL

4.7

SPK value SPK Ref Val 23.34

933.7

25.00

1000

%REC 116 101

LowLimit 61.3

%RPD HighLimit

RPDLimit

Qual

Surr: BFB

Sample ID 1704560-001AMSD1

150 TestCode: EPA Method 8015D: Gasoline Range

150

Client ID:

SC-3

Gasoline Range Organics (GRO)

SampType: MSD Batch ID: 31227

RunNo: 42121

Prep Date: 4/13/2017 Analyte

Analysis Date: 4/14/2017 Result PQL SPK value SPK Ref Val

SeqNo: 1323589 %REC

Units: mg/Kg HighLimit

%RPD

RPDLimit Qual 20 0

Surr: BFB

4.8 952.4

23.81

117 101

61.3 54

LowLimit

150 150

0

3.11

Oualifiers:

H

R

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

Holding times for preparation or analysis exceeded

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit Sample container temperature is out of limit as specified
- Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704560

24-Apr-17

Client:

WPX Energy

Project:

Chaco 2308 06H #395H

Sample ID MB-31227	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	1D: 31	227	R	RunNo: 4	2121				
Prep Date: 4/13/2017	Analysis D	ate: 4/	14/2017	S	SeqNo: 1	323630	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		112	66.6	132			

Sample ID LCS-31227	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch	1D: 31	227	R	RunNo: 4	2121				
Prep Date: 4/13/2017	Analysis D	ate: 4/	14/2017	S	SeqNo: 1	323631	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	113	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.6	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	66.6	132			

Sample ID 1704560-001AMS	SampT	уре: МS	3	Tes	8021B: Vola	tiles				
Client ID: SC-3	Batch	n ID: 31	227	F						
Prep Date: 4/13/2017	Analysis D	alysis Date: 4/14/2017 SeqNo: 1323633				Units: mg/k	(g			
Analyte	Result	Result PQL SPK value SPK		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.024	0.9434	0	133	61.5	138			
Toluene	1.2	0.047	0.9434	0	125	71.4	127			
Ethylbenzene	1.2	0.047	0.9434	0	124	70.9	132			
Xylenes, Total	Total 3.2 0.094 2.830 0.03186					76.2	123			
Surr: 4-Bromofluorobenzene	1.1		0.9434		117	66.6	132			

Sample ID 1704560-001AMS	ISD SampType: MSD TestCode: EPA Method 8021B: Volatiles										
Client ID: SC-3	Batch ID: 31227 RunNo: 42121										
Prep Date: 4/13/2017	Analysis Date: 4/14/2017			8	SeqNo: 1	323634	Units: mg/k	ζg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.3	0.023	0.9234	0	136	61.5	138	0.221	20		
Toluene	1.2	0.046	0.9234	0	129	71.4	127	1.12	20	S	
Ethylbenzene	1.2	0.046	0.9234	0	129	70.9	132	1.44	20		
Xylenes, Total	3.3	0.092	2.770	0.03186	117	76.2	123	1.03	20		
Surr: 4-Bromofluorobenzene	1.1		0.9234		117	66.6	132	0	0		

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 5 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Clie	ent Name:	WPX ENER	GY	Work Order	Number:	17045	60			RcptN	io: 1
Rec	eived By:	Anne Thor	ne	4/13/2017 7:5	2:00 AM			am	1.	_	
Con	npleted By:	Anne Thor	me	4/13/2017 9:59	9:29 AM			Am.	1-	_	
Rev	iewed By:	Spe	04/13/	17				0,574	,,		
<u>Cha</u>	in of Cus	stody									
1.	Custody sea	als intact on sa	ample bottles?			Yes		No		Not Present	
2.	s Chain of 0	Custody comp	lete?			Yes	✓	No		Not Present]
3. 1	How was the	e sample deliv	rered?			Couri	<u>er</u>				
Loc	<u>ı In</u>										
4.	Was an atte	empt made to	cool the samples	?		Yes	V	No		NA 🗆]
5.	Were all sar	mples received	d at a temperatur	e of >0° C to 6.0	°C	Yes	V	No		NA 🗆	
6.	Sample(s) i	n proper conta	niner(s)?			Yes	✓	No			
7. 8	Sufficient sa	mple volume	for indicated test((s)?		Yes	✓	No			
8. /	Are samples	(except VOA	and ONG) prope	rly preserved?		Yes	✓	No		_	
9. \	Was preserv	vative added to	bottles?			Yes		No	V	NA L]
10.1	/OA vials ha	ave zero head	space?			Yes	5507	No		No VOA Vials]
11.	Were any sa	ample contain	ers received brok	en?		Yes		No	V	# of preserved	
12.1	Does paper	work match bo	ttle lahels?			Yes	7	No		bottles checked for pH:	
			ain of custody)							T m:	2 or >12 unless noted)
13.	Are matrices	s correctly iden	ntified on Chain o	f Custody?		Yes	✓	No		Adjusted?	
14.1	s it clear wh	nat analyses w	ere requested?				V	No	_		
		ding times abl customer for a	e to be met? authorization.)			Yes	Y	No		Checked by	:
Spe	cial Hand	lling (if app	olicable)								
			screpancies with	this order?		Yes		No		NA ⊻	i
	Person	n Notified:	William Commence Manager	- Laborator (Colorido	Date						
	By Wh	nom:		CONTROL OF THE PROPERTY OF THE	Via:] eMa	i 🗆 P	hone [Fax	☐ In Person	
	Regard	ding:			*******	Markitan Mahama	**************************************	ten et Madamataerikelikite		***************************************	
	Client	Instructions:		A STATE OF THE PARTY OF THE PAR	-3-CENTERIN				- Artist Handle	unamental de dische de dische da litte die de	
17.	Additional re	emarks:									
18.	Cooler Info	•	Condition S	eal Intact Seal	INols	eal Da	te I	Signed I	Bv I	I	
	1	1.0	Good Ye					2.8.100	,		

		Chain-of-Custody Record			Turn-Around Time:					HALL ENVIRONMENTAL											
Client: WPX Energy				Standard □ Rush Project Name:				ANALYSIS LABORATORY													
Address	PO Po	× 140	Chaco 2308 ObH #395H																		
Aztc. NM 87410			Project #:					Tel. 505-345-3975 Fax 505-345-4107													
Phone #: 505 333 18-80											A	naly:	sis I	Req	uest						
email or Fax#: deborah. waten@ujoxcnerzy.com			Project Mana	ger:		-	Š	(g)					3							\Box	
QA/QC Package:								OMIE			IMS)	The second secon	20,50	PCB's							
Accreditation						â	H.	(E)		_	0.8		0	382							
□ NELAP □ Other								(<u>@</u>)	8.1	3	827	9	Z	8		8	1			Z	
□ EDD (Type)			Sample Temperature: (. 0				35	(E)	9 9	9 5	ō	als	8	des	-	Ô				χ٥	
Time	Matrix.	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX +-	BTEX + MT	TPH 8015B	TPH (Metho	EDB (Metho	PAH's (8310	RCRA 8 Me	Anions (F,Cl	8081 Pestici	ACV) BOBSB	8270 (Semi-	calni			Air Bubbles (Y or N)	
1240	soil	SC-3	1-402	ald	701	X		X	No. of Street, or other Prince of Street, or oth			341					X				
or o											1		-							+	
									A CONTRACTOR OF THE PERSON NAMED IN COLUMN NAM			The state of the s							+		
																			1		
									Control of the contro									#			
																			+		
Time: 1814 Time:	Qu'n Re inquishe	h Waton	Received by:	lat-	Date Time 12/11 18/4 Date Time 04//3/7	Ren	narks														
	AZEC #: 505 or Fax#: 6 Package: ndard ditation LAP D (Type) Time 1814 Time: 1814 Time:	#: 505 3.33 18 or Fax#: de Soudh / Package: Indard ditation LAP	Time: Reinquished by: Sul Sul	AZEC, NM 87410 AZEC, NM 87410 #: 505 333 18-80 or Fax#: de book, water Gugok Courty, com Project Mana Package: Indard	GAddress PO Box 646 AZEC NM 87410 ##: 505 333 1880 or Fax#: de bosh water@upxcerzy.com Project Manager: Package: Indard	GACID STATE OF DEAD AND STATE OF TIME Reinquished by: Time: Reinqui	GAddress 70 Pox 640 AZEC NM 87410 #: 505 3.33 18-80 or Fax#: de forch: water@upkcrerzy.cern Project #: Package: Indiatric Iditation LAP Other On Ice: 1/Yes No D (Type) Time Matrix Sample Request ID Time Matrix Sample Request ID Time Matrix Sample Request ID Time Reinquished by: Time: Reinquished by: Received by: Date Time Reinquished by: Time: Reinquished by: Received by: Date Time Reinquished by: Received by: Date Time OHIS/7 Time: OHIS/7	GAddress PO Pox 646 AZEC, NM 87410 #:506333 1880 Or Fax#: de bouch vucken@upxcourcy.ce ra Project Manager: De Address Po Pox 646 #:506333 1880 Or Fax#: de bouch vucken@upxcourcy.ce ra Project Manager: De Address Po Pox 646 #:506333 1880 On Too: De Address Po Pox 646 #:506333 1880 On Too: De Address Po Pox 646 Froject Manager: De Watson On Too: Time Matrix Sample Request ID Container Type and # Time Matrix Sample Request ID Container Type and # Type Too ISC 170 ISC 1881 Time: Reinquished by: Received by: Date Time Remarks Received by: Date Time Remarks Address Po Pox 641 Again 1814 Time: Reinquished by: Received by: Received by: Received by: On Too ISC 1881 Address Pox 641 Address Pox 641 Address Pox 641 Again 1814 Time: Reinquished by: Received by: Received by: On Too ISC 1881 Address Pox 641 Address Po	GAddress PO Pox 646 AZEC, NM 87410 Project #: Tel. 50 #: 505 333 1880 Or Fax#: de bouch waken@waxenery.cern Project Manager: De Address PO Pox 6496 #: 505 333 1880 Or Fax#: de bouch waken@waxenery.cern Project Manager: De Address PO Pox 6496 Project #: Tel. 50 AZEC NO Sampler: D. Watson On 100: Proservative Type and # Time Matrix Sample Request ID Container Type and # Type Total Sold SC-3 1-40 C C Id Total Sold SC-3 1-40 C C Id Time: Reinquished by: Received by: Date Time Remarks: Received by: Date Time Remarks: Received by: Date Time Remarks: Received by: Date Time Orlight	GAddress PO Pox by Charles Charles Project # Time: Reinquished by: Time: Reinquished by:	Address PO Pox 646 AZEC, NM 87410 Project #: 505 333 1880 or Fackage: Indiand	GAddress PD Pox 646 AZ F L NM 874 10 Project #: Tel. 605-345-3975 Project #: Tel. 605-345-3975 Project #: Project #: Tel. 605-345-3975 Project #: Projec	GAddress PO Box 1646 AZEC NM 87410 Project #: Project #: Proj	AZEL NA 87410 Project #: Project Manager. Project Manager	Galdress 70 Pax 64 b AZEL NM 874 10 Project #: Tel. 505-345-3975 Fax 505- Analysis Reg Or Fax# of book waterery cery Project Manager. Pro	GAddress P.D. Pox bib AZ F.L. N.M. 874 D. Project #. ## 505 333 18-80 or Fax#: A book water green from the first on the first of the first on the first one first on the first on the first one first on the first one fir	GAddress 70 Pax b4b AZ FC NAM 87410 ## 505 333 1950 or Fax# de bouch water@upxcerry.cern Project Manager: Package: ndard Items Matrix Sample Request ID Or Type: Time Matrix Sample Request ID Time Reinquished by: Time	GAddress 70 Pox 640 Chaco 2308 DoH #395 H Chaco 2308 DoH #395 H April 10 Project #: Tel. 505-345-3407 Tel. 505-345-370 Fax 505-345-4107 Analysis Request Project #: Pockage: A found, rus ten Guardeness, corn project Manager: D. Walson Sampler: D. Walson On los: 17 vos No. Time Matrix Sample Request ID Container Type and # Type and # Type 10 Sull 14 Let 14 Let 14 Let 14 Let 15 Let 16 Let 16 Let 16 Let 16 Let 16 Let 17	GAddress 70 Pax 1646 AZE, NM 87410 Project #: #595 333 1650 Fax: De Say 1650 Fa	Gaddress 70 Box 646 AZEC NM 87410 Project # # 505 333 18-80 Fax # 650-345-3975 Fax 505-345-4107 Factage: Indiana Indiana	

Watson, Debbie

From:

Smith, Cory, EMNRD < Cory. Smith@state.nm.us>

Sent:

Wednesday, April 26, 2017 2:57 PM

To: Subject: Watson, Debbie; Fields, Vanessa, EMNRD [EXTERNAL] RE: Chaco 2308 06H #395H

CAUTION: This email was sent from an EXTERNAL source. Use caution when clicking links or opening attachments.

Debbie,

After reviewing the location WPX request is approved, please include this email in your final C-141.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Watson, Debbie [mailto:Deborah.Watson@wpxenergy.com]

Sent: Wednesday, April 26, 2017 1:34 PM

To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>

Subject: Chaco 2308 06H #395H

Attached is the laboratory report for sample SC-3 collected outside of the secondary containment wall. Based on the attached laboratory results, WPX proposes to rake the soil and apply gypsum to the chloride impacted area outside of the secondary containment wall. Sample SC-3 was collected at the surface within the impacted area.

Thank you,

Debbie

Deborah Watson
Environmental Specialist
PO Box 640 | Aztec, NM 87410
office 505.333.1880 | cell 505.386.9693 | fax 505.333.1805
deborah.watson@wpxenergy.com



If you have received this message in error, please reply to advise the sender of the error and then immediately delete this message. Thank you.