APPENDIX A



APPENDIX B

Compromise SWD #1 Well Site

	Sample Area	Sample Date	Analytical Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
COMP WELL 1-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	5,600
COMP WELL 1-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	2,320
COMP WELL 1-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-		-	1,760
COMP WELL 1-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	-	8		-	320
COMP WELL 2-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	7,460
COMP WELL 2-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	7,060
COMP WELL 2-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-		-	3,240
COMP WELL 2-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	-		-		3,160
COMP WELL 2-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	-	-		-	2,280
COMP WELL 3-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	7,600
COMP WELL 3-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	6,930
COMP WELL 3-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-			6,000
COMP WELL 3-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	-	-	-	-	4,160
COMP WELL 3-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	-	-	-	-	2,080
COMP WELL 4-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	7,730
COMP WELL 4-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	6,130
COMP WELL 4-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-	-	-	3,400
COMP WELL 4-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	-	-	-	-	3,960
COMP WELL 4-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	-	-	-		1,390
COMP WELL 5-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	7,440
COMP WELL 5-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	7,440
COMP WELL 5-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-	-	-	1,640
COMP WELL 5-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	ļ .	-	-	2	1,920
COMP WELL 5-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'		-	-		704
COMP WELL 6-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	8,160
COMP WELL 6-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	6,320
COMP WELL 6-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-	-	-	2,040
COMP WELL 6-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	-	-	-		1,760
COMP WELL 6-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	-	-	-		2,720
COMP WELL 7-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	2,840
COMP WELL 7-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	3,520
COMP WELL 7-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-	-	-	1,880
COMP WELL 7-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	1	-	-	-	1,920
COMP WELL 7-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	-	-	-		2,720
COMP WELL 8-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	4,080
COMP WELL 8-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	6,240
COMP WELL 8-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-	-	- 110	528
COMP WELL 9-1	Polosso Aros	2/12/2015	i. такныром клозказирячны	araneantere aciam per sacen	o ir amado uz kamar	ndae, tiller hv-arm	hayan maran	rje bange ordi	ilia prima e masalima	Non-Allower Ches. Hen
COMP WELL 9-3	Release Area Release Area	2/12/2015 2/12/2015	H500428 H500428	Grab/Backhoe Grab/Backhoe	1' 3'	ND	ND	ND	ND ND	3,120
COMP WELL 9-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	ND -	ND -	ND -	ND -	1,470 2,960
COMP WELL 9-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'					2,400
COMP WELL 9-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	-	-	-		3,560
COMP WELL 10-1	Release Area	Senadiushthan Wilm noralis suursii	(Arthuripalitatil) ara ti - pril nasann	gerva i disementale se se estre il architecturi.	No. 25 or 2000 and only others.		nathanito m	SOLET SHOW	(in enconomismoniques	nno samuvato li ca v
COMP WELL 10-1	Release Area	2/12/2015 2/12/2015	H500428 H500428	Grab/Backhoe Grab/Backhoe	1' 3'	ND ND	ND ND	ND	ND ND	240
COMP WELL 10-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	1 100	- IND	ND -	ND -	640 3,000
COMP WELL 10-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	<u> </u>	-	-	-	4,360
COMP WELL 10-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	_	-	-	-	3,440
COMP WELL 11-1	Release Area	2/12/2015	H500428	Grab/Backhoe	the representational temperature and	NIC STREET	ND	Rombinson	besid propernater	litheralit enimen interest
COMP WELL 11-3	Release Area	2/12/2015	H500428	Grab/Backhoe	1' 3'	ND ND	ND ND	ND ND	ND ND	832
COMP WELL 11-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-	-	- ND	1,420
COMP WELL 11-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'		-	-	1-	1,470
COMP WELL 11-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	1 -	-	-		176
COMP WELL 12-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND MICHIEL	ND Marie Marie Mar	opposition of adultional floor
COMP WELL 12-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND ND	ND ND	7,330 3,560
COMP WELL 12-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'		-	- 110	- 140	3,760
COMP WELL 12-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	-	1 -	-	-	3,080
COMP WELL 12-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'	-	Ι.	-	-	3,000
COMP WELL 13-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	MD Higheriteni saedin	ND minimum page	ND	ika shirin nebunkabal kis	attensataipeather triesa
COMP WELL 13-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND ND	ND ND	ND ND	ND ND	256 3,440
COMP WELL 13-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	- ND	- 100	- ND	IND	4,000
COMP WELL 13-7	Release Area	3/11/2015	H500759	Grab/Backhoe	7'	T -	1		<u> </u>	2,280
COMP WELL 13-9	Release Area	3/11/2015	H500823	Grab/Backhoe	9'		1	1	77	2,040

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COMP WELL 14-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	144
COMP WELL 14-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	2,360
COMP WELL 14-5	Release Area	3/11/2015	H500704	Grab/Backhoe	5'	-	-	-	-	176
COMP WELL 15-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	192
COMP WELL 15-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	144
COMP WELL 16-1	Release Area	2/12/2015	H500428	Grab/Backhoe	1'	ND	ND	ND	ND	128
COMP WELL 16-3	Release Area	2/12/2015	H500428	Grab/Backhoe	3'	ND	ND	ND	ND	96

Site Ranking is TWENTY (20). Depth to Ground Water <50' (approximately 35')

All results are ppm.Chlorides for documentation.

Released: 2,500 B/PW; Recovered: 2,300 B/PW. Release Date: 1/16/2015, 2RP-2797



February 20, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: COMPROMISE SWD #1 WELL SITE

Enclosed are the results of analyses for samples received by the laboratory on 02/13/15 11:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Sampling Condition:

Cool & Intact

Project Name: Project Number: COMPROMISE SWD #1 WELL SITE 2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 1-1 (H500428-01)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.55	77.5	2.00	9.18	
Toluene*	<0.050	0.050	02/19/2015	ND	1.52	75.8	2.00	7.46	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.44	72.2	2.00	5.99	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.20	70.0	6.00	6.98	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	76.2	% 61-154							
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	109	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	115	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celleg Litreno -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Soil

02/20/2015

Sampling Type:

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 1-3 (H500428-02)

BTEX 8021B	mg/	'kg	Analyze	d By: ms			Pauline de la company de la co		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.55	77.5	2.00	9.18	
Toluene*	<0.050	0.050	02/19/2015	ND	1.52	75.8	2.00	7.46	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.44	72.2	2.00	5.99	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.20	70.0	6.00	6.98	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	74.6	% 61-154	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	115	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	119	% 52.1-17	6						

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Calley & Freeze



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Sampling Condition:

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 2-1 (H500428-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	77.8	% 61-154	r)						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	114 9	% 47.2-15	7					110000000000000000000000000000000000000	
Surrogate: 1-Chlorooctadecane	119	% 52.1-17	6						

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Celeg & Kune



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

COMPROMIS

Sample Received By:

Celey D. Keene

Project Number.

2RP-2797

Project Location: EDDY COUNTY, NM

Sample ID: COMP WELL 2-3 (H500428-04)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	73.4	% 61-154	1	20-400					
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	110	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	113	% 52.1-17	6						

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Celeg & Kreene -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 (505) 748-4635 Fax To:

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 3-1 (H500428-05)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	73.6	% 61-154	l.						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	119	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	'6						

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Celego treens



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received: 02/13/2015 Reported: 02/20/2015

Project Name: COMPROMISE SWD #1 WELL SITE

Project Number: 2RP-2797

Project Location: EDDY COUNTY, NM Sampling Date:

Sample Received By:

02/12/2015 Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Celey D. Keene

Sample ID: COMP WELL 3-3 (H500428-06)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	74.4	% 61-154	1	One is a control of the control of t					
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	117 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	117 9	% 52.1-17	6						

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Celley & Keens ..



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celev D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 4-1 (H500428-07)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	73.5	% 61-154	1						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	115	% 47.2-15	7					78.7	
Surrogate: 1-Chlorooctadecane	121	% 52.1-17	'6						

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Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Sampling Condition:

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 4-3 (H500428-08)

BTEX 8021B	mg/	kg	Analyze	d By: ms			Water to the same of the same		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	73.4	% 61-154							
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	113	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	116	% 52.1-17	6						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 5-1 (H500428-09)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	71.7	% 61-154	E:						
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	113	% 47.2-15	7						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 5-3 (H500428-10)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	73.1	% 61-154							
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	212	106	200	2.60	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	197	98.6	200	10.4	
Surrogate: 1-Chlorooctane	123	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	128	% 52.1-17	6						

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Received: 02/13/2015 Reported: 02/20/2015

Project Name: COMPROMISE SWD #1 WELL SITE

Project Number: 2RP-2797

Project Location: EDDY COUNTY, NM

Sampling Date:

Sampling Type:

02/12/2015

ype: Soil

Cool & Intact

Sampling Condition: Sample Received By:

Celey D. Keene

200.000

Sample ID: COMP WELL 6-1 (H500428-11)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	73.3	% 61-154	C						
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	80.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	86.6	% 52.1-17	6						

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Celay & Kuno -



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Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 6-3 (H500428-12)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	73.3	% 61-154							
TPH 8015M	mg/	kg	Analyze	d By: MS					- 1000
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	89.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	87.9	% 52.1-17	6						

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Celeg to France -



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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

Project Name:

02/20/2015

Sampling Condition:

Cool & Intact

COMPROMISE SWD #1 WELL SITE

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 7-1 (H500428-13)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	72.0	% 61-154	t.			W-0000001111111111111111111111111111111			
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	92.0	% 47.2-15	7			***************************************			
Surrogate: 1-Chlorooctadecane	97.6	% 52.1-17	'6						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

DTEV 0031B

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celev D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 7-3 (H500428-14)

BTEX 8021B	mg/	kg	Analyze	d By: ms	and the second				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	69.9	% 61-154							
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	89.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	92.7	% 52.1-17	6						

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Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 8-1 (H500428-15)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	71.2	% 61-154	I)						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	85.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.3	% 52.1-17	'6						

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YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Sampling Date:

02/12/2015

Received: Reported: 02/13/2015

Sampling Type:

Soil

02/20/2015

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 8-3 (H500428-16)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	70.5	% 61-154	L	181					
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	85.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	87.5	% 52.1-17	6						

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YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celev D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 9-1 (H500428-17)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	71.3	% 61-154	1						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	89.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	98.6	% 52.1-17	6						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celev D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 9-3 (H500428-18)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	72.2	% 61-154						2002-110000	
TPH 8015M	mg/	/kg	Analyze	d By: MS	11111				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	86.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	91.2	% 52.1-17	6						

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Sampling Date:

02/12/2015

Received: Reported: 02/13/2015

Sampling Type:

Soil

02/20/2015

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 10-1 (H500428-19)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	70.7	% 61-154	ı						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	88.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	91.4	% 52.1-17	76						

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02/13/2015 02/20/2015

COMPROMISE SWD #1 WELL SITE

Project Name: Project Number:

Received:

Reported:

Project Number: 2RP-2797
Project Location: EDDY COUNTY, NM

Sampling Date:

Sampling Type: So

02/12/2015 Soil

Soi

Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: COMP WELL 10-3 (H500428-20)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	70.8	% 61-154	1		22-10-22-02-2				
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	89.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	94.3	% 52.1-17	6						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 11-1 (H500428-21)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.59	79.5	2.00	13.7	
Toluene*	<0.050	0.050	02/19/2015	ND	1.55	77.4	2.00	13.0	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.48	74.1	2.00	12.6	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	4.32	72.0	6.00	12.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	68.1	% 61-154	p S						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	90.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	86.5	% 52.1-17	6						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Sampling Condition:

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 11-3 (H500428-22)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/19/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.4	% 61-154	1						
TPH 8015M	mg/	/kg	Analyze	d By: MS			Amount from Committee		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	93.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	83.9	% 52.1-17	'6						

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(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Soil

02/20/2015

Sampling Type:

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 12-1 (H500428-23)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	0.067	0.050	02/19/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 61-154	r i						
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	90.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	82.3	% 52.1-17	6						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 12-3 (H500428-24)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/19/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.8	% 61-154	1				333-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		
TPH 8015M	mg,	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	88.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	87.6	% 52.1-17	'6						

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Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 13-1 (H500428-25)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/19/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.2	% 61-154	1			Section and the second			1
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	88.7	% 47.2-15							
Surrogate: 1-Chlorooctadecane	91.1	% 52.1-17	16						

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Calley & treens -



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Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

02/20/2015

Sampling Condition:

Cool & Intact

Project Number:

COMPROMISE SWD #1 WELL SITE 2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 13-3 (H500428-26)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/19/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	97.5	% 61-154							
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	91.6	% 47.2-15	7				***************************************		
Surrogate: 1-Chlorooctadecane	92.3	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

02/20/2015

Cool & Intact

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 14-1 (H500428-27)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/19/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/19/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/19/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 61-154	8						
TPH 8015M	mg,	/kg	Analyzed By: MS				-		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/17/2015	ND	207	104	200	1.45	
DRO >C10-C28	<10.0	10.0	02/17/2015	ND	187	93.6	200	1.95	
Surrogate: 1-Chlorooctane	86.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.1	% 52.1-17	,						

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Celeg & Kreene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 14-3 (H500428-28)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/20/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/20/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/20/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 61-154							
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	208	104	200	0.438	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	196	98.0	200	0.534	
Surrogate: 1-Chlorooctane	93.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	92.0	% 52.1-17	6						

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Celley & Keene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 (505) 748-4635 Fax To:

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Soil

02/20/2015

Sampling Type:

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 15-1 (H500428-29)

BTEX 8021B	mg/kg		Analyzed By: ms			-			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/20/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/20/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/20/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100	% 61-154	!						
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	208	104	200	0.438	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	196	98.0	200	0.534	
Surrogate: 1-Chlorooctane	88.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	86.0	% 52.1-17	'6						

Cardinal Laboratories

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Calley to France -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Sampling Type:

Soil

BTEV 0004B

02/20/2015

2RP-2797

Cool & Intact

Project Name: Project Number: COMPROMISE SWD #1 WELL SITE

Sampling Condition: Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 15-3 (H500428-30)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/20/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/20/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/20/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.8	% 61-154	1						****
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	208	104	200	0.438	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	196	98.0	200	0.534	
Surrogate: 1-Chlorooctane	90.5	% 47.2-15	7	-					
Surrogate: 1-Chlorooctadecane	94.2	% 52.1-17	6						

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Calley & Kreene -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

02/13/2015

Reported: 02/20/2015 Project Name: COMPROMISE SWD #1 WELL SITE

Project Number: 2RP-2797

Project Location: EDDY COUNTY, NM Sampling Date: 02/12/2015

Sample Received By:

Sampling Type: Soil

Sampling Condition:

Cool & Intact

Celey D. Keene

Sample ID: COMP WELL 16-1 (H500428-31)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/20/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/20/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/20/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106	% 61-154				S			3.4.00.4. 0.0
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	208	104	200	0.438	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	196	98.0	200	0.534	
Surrogate: 1-Chlorooctane	91.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	87.6	% 52.1-17	6						

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Cellen D. Freene -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received: 02/13/2015 Reported: 02/20/2015

Reported: 02/20/2015
Project Name: COMPROMISE SWD #1 WELL SITE

Project Number: 2RP-2797

Project Location: EDDY COUNTY, NM

Sampling Date:

02/12/2015

Sampling Type: Soil

Cool & Intact

Sampling Condition: Sample Received By:

Celey D. Keene

Sample ID: COMP WELL 16-3 (H500428-32)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2015	ND	1.76	87.9	2.00	14.0	
Toluene*	<0.050	0.050	02/20/2015	ND	1.77	88.3	2.00	14.6	
Ethylbenzene*	<0.050	0.050	02/20/2015	ND	1.77	88.6	2.00	14.2	
Total Xylenes*	<0.150	0.150	02/20/2015	ND	5.20	86.7	6.00	14.8	
Total BTEX	<0.300	0.300	02/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 61-154	NS .						
TPH 8015M	mg/	kg	Analyze	d By: MS			Entered to the control of the contro		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/18/2015	ND	208	104	200	0.438	
DRO >C10-C28	<10.0	10.0	02/18/2015	ND	196	98.0	200	0.534	
Surrogate: 1-Chlorooctane	89.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.5	% 52.1-17	6						

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Celey & Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

*=Accredited Analyte

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Celey & Kreno -

Project Manager: Amber Cannon Project Manager: Amber Cannoniae SWD #1 Well Stet
Comp Well 3-1 1-1 2/12/2015 9/33 AM 1 X Comp Well 3-3 Comp Wel
Set Mariand, Hobbs, NM 88240 Sold State Sold State
Comp Well 1-1 1 1 2/12/2015 9:33 AM 1 X 1 X 1 X X X X X
Comp Well 2-1
Project Name Name
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Project Name: Project Name
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Project Name: Name: Project Name: Project Name: Name: Project Name: Project Name: Project Name: Name: Name: Name: Project Name: Name
Amber Cannon
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Amber Cannon Yates Petroleum Corporation Yates South 4th Street Project Name: Project Name: Project Name: Project Name: Project Loc:
Amber Cannon Yates Petroleum Corporation (505) 393-2326 FAX (505) 393-2470 Project Name: Project Name: Project Loc:
larland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2479 Project Name:
arland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-241/0 Amber Cannon Project Name:

Project Name:

Compromise SWD #1 Well

Site

Page 36 of 38

Project Loc:

Eddy County

205-2020

2RP-2797

PO #:

x Standard

TRRP

NPDES

Project #:

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

Project Manager: Company Name 105 South 4th Street Yates Petroleum Corporation Amber Cannon

Company Address:

acannon@yatespetroleum.com	e-mail:
Report Format:	Fax No:

10150 66 TCLP: Analyze For:

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BTEX	8260			8.
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RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

(lab use only) ORDER #:

Sampler Signature:

moder

Solve

Telephone No:

575-748-4111

City/State/Zip:

Artesia, NM 88210

LAB # (lab use only)

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

ield Filtered Total #. of Containers

HNO₃ HCI

H2SO4 NaOH Na₂S₂O₃ None

Other (Specify)

FIELD CODE

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e put chlorides	S	S	S	S	S	S	S	S	S	S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other		
orid	×	×	×	×	×	×	×	×	×	×	TPH: 418.1 8015M 8015I		
es	-	-	۲	\vdash							TPH: TX 1005 TX 1006		
SC	-	+-	\vdash	\vdash	1	\vdash		T			Cations (Ca, Mg, Na, K)		
Laboratory Sample Con	\vdash	\vdash	+	+	+		T	T	T	1	Anions (CI, SO4, Alkalinity)	101	7
rato le C	-	\vdash	+	+	+	+	T	t	T	T	SAR / ESP / CEC	A	TCLP:
ont		+	+	+	+	+	\dagger	t^{-}			Metals: As Ag Ba Cd Cr Pb Hg Se		
Comments: tainers Intact	-	+	+	+	+	+-	+	+	T	T	Volatiles		
In S	-	+	+	+	+	+	+	T	T	1	Semivolatiles		
Laboratory Comments: Sample Containers Intact?	×	1×	1×	×	×	×	×	×	×	×	BTEX 8021B/5030 or BTEX 8260		
.~>	-	+	+	-	+	+	+	T	+		RCI		
	-	+	+	+	+	+	+	+	\top	1,	N.O.R.M.		
	×	+	+x	×	×	$\frac{1}{\times}$	×	+	×	×	Chlorides		
19		10	10	1	1	+	-	-	-	_	TOAD 1	- 51/100	

Special Instructions:

Comp Well 10-1

Comp Well 10-3

ω

w

2/12/2015

10:32 AM

Please show BTEX results as mg/kg.

Please

2/12/2015

10:28 AM

× × ×

8021B & Chlorides.

Thank you. PAGE 2 OF 4

on a separate report TPH: 8015B, BTEX:

2/13/15

Time

Comp Well 8-1 Comp Well 7-3 Comp Well 7-1 Comp Well 6-3 Comp Well 6-1

ω

w

10:05 AM

10:00 AM 9:51 AM

×

ω --

w

2/12/2015 2/12/2015 2/12/2015

10:10 AM

× × ω

ω

2/12/2015

2/12/2015

9:46 AM

×

Comp Well 9-1 Comp Well 8-3

Comp Well 9-3

ω

w

2/12/2015 2/12/2015 2/12/2015

10:23 AM

10:19 AM 10:15 AM

Relinquished by

Correspondence

inquished by:

Relinquished by:

Date

Ime

Received by ELOT:

Date

Time

Temperature Upon Receipt:

ô

me

Sample Hand Delivered

by Sampler/Client Rep. by Courier? UPS

Custody seals on container(s)
Custody seals on cooler(s)

ZZZZZZZ

×

VOCs Free of Headspace? Labels on container(s)

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Project Manager: Amber Cannon

Company Address: 105 South 4th Street

City/State/Zip:

Artesia, NM 88210

Fax No:

Company Name

Yates Petroleum Corporation

(505) 393-2326 FAX (505) 393-2476

Project Name: Project #: Compromise SWD #1 Well Site

mat:	PO#:
x Standard	
TRR	702-202

Report Format:
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PDES	

Page	37	of	38

	Relinquished by: Date Time R	Relinquished by: Relinquished by: Date Time Relinquished by: Date	I Instructions: TPH: 8015B, BTEX: 800 on a separate report	Comp Well 1	Comp Well 15-1 1' 1'	Comp Well 14-3 3' 3'	Comp Well 14-1 1' 1'	ω ₂	Comp Well 13-1 1' 1'	32	23 Comp Well 12-1 1' 1' 2	22 Comp Well 11-3 3' 3' 2	Comp Well 11-1 1' 1'	FIELD CODE Be En	# (lab use only)	ORDER#: H500428	(lab use only)	Campio
	Received by ELOT:	Received by:	Please snow blex results as my my.	11:26 AM 1 X	2/12/2015 11:22 AM 1 X	2/12/2015 11:18 AM 1 X	2/12/2015 11:15 AM 1 X	11:06 AM	11:03 AM 1		10:52 AM	+	10:37 AM	Fi 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Oate Sampled Fime Sampled Filtered otal #. of Containers Ice HNO ₃ HCI H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃	Preservation & # of Containers		
	Date Time Temperatur	S IIIO		es	0 0	_	4							σ ×	None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Othe TPH: 418.1 8015M TPH: TX 1005 TX 1 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pt	Matrix 80151	-	TCLP:
#54	Temperature Upon Receipt: 3.2°C	Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS DHL FedEx Lone Star	SEE SEE	5		×	×	×	×	×	×	×	×	×	Volatiles Semivolatiles BTEX 8021B/5030 or BTE RCI N.O.R.M. Chlorides SAR RUSH TAT (Pre-Schedul Standard TAT	EX 8260		hrs

	Relino	Relino	Spec				T		w	2)	LA	B # (lab use only)	ORDER #:	(lab use only)								R	4
	Relinquished by:	Relinquished by:	Special Instructions:						Comp Well 16-3	Comp Well 16-1	FIELD CODE		18 HSD042 8		Sampler Signature:		City/State/Zip: Art	Company Address: 10	Company Name Ya	Project Manager: Am	IVI Edot May reserve	ARDINAL LABORATORIES	1
	Date	ZIZIV Date	TPH: 8015B, BTEX: on a separate report						'ell 16-3	ell 16-1	CODE		18-)	(mber Connor	575-748-4111	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon		ATORIES	
									ယ္	<u>-</u>	В	eginning Depth			હ				ation	:			
	Time	Time	8021B Than						ω	- <u>;</u>	E	nding Depth			/								
	Received by ELOT:	Received by:)21B & Chlorides. Thank you. PAGE						2/12/2015	2/12/2015		Date Sampled										(505) 393-2326 FAX (505) 393-2476	
	OT:	lise	Please show BTEX results as mg/kg.						11:33 AM	11:30 AM	_	Time Sampled			e-mail:	Fax No:						AX (505) 393-2	
		2	w B1						-	+	-	Tield Filtered Total #. of Containers	+		a	١						476	
		0	Ÿ-		\vdash		+		×	-	-	Ice	T _D		acannon@yatesp								
			resu	\neg								HNO ₃	Preservation & # of Co		nor								
			Its									HCI	vation		9								0
			as m						_	_	4	H ₂ SO ₄	- ° #		ate								HAI
			g/ko		-	\vdash	_	\vdash	+	-	\dashv	NaOH Na ₂ S ₂ O ₃											NO
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	Date	Date Odte	Please put chlorides						U	n 0	n	DW=Drinking Water St.=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	2		etroleum.com	Report Format:		;	Pro		Project Name:		CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
	Time	Time	ride						>	< >	×	TPH: 418.1 8015M	8015			orm	_		Project Loc:	Project #:	S S		SS
	Ф		1			\perp			_	+		TPH: TX 1005 TX 10 Cations (Ca, Mg, Na, K)	006	+		at:	, ,		000	ct #	ame		Ď A
	Ten	Cus	Sam			++	_	++	+	+		Anions (CI, SO4, Alkalinity)		-		×	7 1		•	ľ	ľ		N
	nper	tody seals to tody seals	oration of the light of the lig	\vdash	_	++		++	+	+		SAR / ESP / CEC		TCLP:		x Standard	7						AN
	ature	sea sea Hand	Cont		+	++	_	++	+	+	-	Metals: As Ag Ba Cd Cr Pb	Hg S	_	A	anda					Com		AL
	Temperature Upon Receipt:	Custody seals on container(s) Custody seals on cooler(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep.? by Courier? UPS DHI	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?	\vdash	+	+	_	++	+	+		Volatiles		TT	Analyze	ď					pro		SIS
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	ece)	ontain ooler(s ered ered UPS	nts:	H	+	+	_	+		×	×	BTEX 8021B/5030 or BTE	X 826	0	For:			205	Eddy County	2RP-2797	Ses		EQ
	þt	er(s) s)	12 2	H	+	+		+	\dashv			RCI			11	- 777		205-2020	8	-27	NC.		JES
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共	1	5													Ц		i c				ite		
6	ိုင်	Lone Star	ZZZ									RUSH TAT (Pre-Schedule	24,	48, 72 hrs		ſ	n		Г	Pa	ge ?	38 of 3	38
		ar			I					×	×	Standard TAT							L	, u	900	0 01 0	



February 20, 2015

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: COMPROMISE SWD #1 WELL SITE

Enclosed are the results of analyses for samples received by the laboratory on 02/13/15 11:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 1-1 (H500428-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit

5600

Analyzed 02/17/2015 Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD 0.00 Qualifier

Sample ID: COMP WELL 1-3 (H500428-02)

Chloride, SM4500CI-B

Analyte

Analyte

Analyzed By: AP

% Recovery

RPD

0.00

Qualifier

Chloride

Chloride

Result 2320 Reporting Limit 16.0

16.0

Analyzed 02/17/2015

Analyzed

Method Blank ND

BS 400

100

True Value QC 400

Sample ID: COMP WELL 2-1 (H500428-03)

Chloride, SM4500CI-B

Analyzed By: AP

Method Blank

ND

BS

400

% Recovery

Qualifier

Chloride

Result 7460 Reporting Limit 16.0

02/17/2015

100

True Value QC 400

RPD 0.00

Sample ID: COMP WELL 2-3 (H500428-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Chloride

Result 7060 Reporting Limit 16.0

Analyzed 02/17/2015 Method Blank ND

BS 400 % Recovery

100

True Value QC

400

RPD 0.00 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Calley to treens -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 3-1 (H500428-05)

Chloride,	SM4500CI-B
-----------	------------

mg/kg

Analyzed By: AP

Analyte

Chloride

Result 7600 Reporting Limit 16.0

Analyzed 02/17/2015 Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD

0.00

Qualifier

Sample ID: COMP WELL 3-3 (H500428-06)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Reporting Limit Result

16.0

Analyzed 02/17/2015

Method Blank ND

BS 400 % Recovery 100

True Value QC

400

RPD

Qualifier

Sample ID: COMP WELL 4-1 (H500428-07)

Chloride, SM4500CI-B

Analyte

Analyte

Analyzed By: AP

Method Blank

BS

% Recovery

0.00

Chloride

Chloride

Chloride

Chloride

Result 7730

6930

Reporting Limit 16.0

Analyzed

True Value QC

RPD

Qualifier

Result

6130

7440

Reporting Limit

16.0

02/17/2015

ND

400

100

400

0.00

Sample ID: COMP WELL 4-3 (H500428-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

02/17/2015

Method Blank

ND

BS

400

% Recovery

100

True Value QC

400

RPD

0.00

Qualifier

Sample ID: COMP WELL 5-1 (H500428-09)

Chloride, SM4500CI-B

Analyzed By: AP

Result

Reporting Limit

16.0

Analyzed 02/17/2015 Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

Analyte

*=Accredited Analyte

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Celeg & Frence

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 13



YATES PETROLEUM CORPORATION AMBER CANNON

105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 5-3 (H500428-10)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 6	5-1 (H500428-	11)							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8160	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 6	5-3 (H500428-	12)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP		-200			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 7	7-1 (H500428-	13)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP		er III.			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL :	7-3 (H500428-	14)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	02/17/2015	ND	400	100	400	0.00	

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Celey & Kuns



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

Cool & Intact

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 8-1 (H500428-15)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 8	3-3 (H500428-	16)							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 9	9-1 (H500428-	17)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 9	9-3 (H500428-	18)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL :	LO-1 (H500428	3-19)							
Chloride, SM4500CI-B	, mg		Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/17/2015	ND	400	100	400	0.00	

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YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Analyzed By: AP

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

Chloride, SM4500CI-B

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Celey D. Keene

2RP-2797

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 10-3 (H500428-20)

Market Control of State									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 1	1-1 (H500428	3-21)							
Chloride, SM4500CI-B	mg/	E.	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/17/2015	ND	400	100	400	0.00	
Sample ID: COMP WELL 1	1-3 (H500428	3-22)							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/17/2015	ND	416	104	400	3.92	
Sample ID: COMP WELL 1	2-1 (H500428	3-23)							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	02/17/2015	ND	416	104	400	3.92	
Sample ID: COMP WELL 1	.2-3 (H500428	3-24)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	02/17/2015	ND	416	104	400	3.92	

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Celeg & Frence -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street

Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

Analyte

Analyte

EDDY COUNTY, NM

Sample ID: COMP WELL 13-1 (H500428-25)

Chloride,	SM4500CI-B
-----------	------------

Analyzed By: AP

Chloride

Chloride

Chloride

Chloride

Chloride

Result Reporting Limit

16.0

Reporting Limit

16.0

16.0

Reporting Limit

16.0

256

Result

3440

144

Result

2360

Analyzed

02/17/2015

ND 416

Method Blank

Method Blank

ND

104

% Recovery

True Value QC 400

True Value QC

400

True Value QC

400

Qualifier

RPD

3.92

RPD

3.92

3.92

3.92

Sample ID: COMP WELL 13-3 (H500428-26)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS

416

416

RS

% Recovery

104

% Recovery

104

Qualifier

Sample ID: COMP WELL 14-1 (H500428-27) Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Result Reporting Limit Analyzed

02/17/2015

Analyzed

02/17/2015

Method Blank

ND

BS

RPD

Qualifier

Sample ID: COMP WELL 14-3 (H500428-28)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AP

Analyzed

Method Blank

ND

ND

BS

416

% Recovery

104

True Value QC 400

RPD

Qualifier

Sample ID: COMP WELL 15-1 (H500428-29)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Reporting Limit Result 192 16.0

Analyzed 02/17/2015

02/17/2015

Method Blank

BS 416 % Recovery 104

True Value QC

400

RPD 3.92 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/13/2015

Sampling Date:

02/12/2015

Reported:

02/20/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

16.0

16.0

Sampling Condition:

Cool & Intact

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 15-3 (H500428-30)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit

Analyzed 02/17/2015 Method Blank ND

BS 416 % Recovery 104

True Value QC

400

RPD

3.92

RPD

3.92

Qualifier

Sample ID: COMP WELL 16-1 (H500428-31)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte Reporting Limit Result

Analyzed

Method Blank

% Recovery

True Value QC

Qualifier

Chloride

Chloride

128

Result

144

02/17/2015

ND

BS 416

104

400

Sample ID: COMP WELL 16-3 (H500428-32)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte Chloride

Reporting Limit 96.0 16.0

02/17/2015

Analyzed

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 3.92

Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories

Celegy Freene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal laboratories.

Celeg & Kuna

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

Project Manager: Amber Cannon

Company Name Yates Petroleum Corporation

Company Address: 105 South 4th Street City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4111 or 575-513-8799

(lab use only) ORDER #:

Sampler Signature:

ander

CONTO

Fax No:

e-mail:

acannon@yatespetroleum.com

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Project Loc:

Eddy County

2RP-2797

Project #:

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TRRP	205-2020
NPDES	

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Compromise SWD #1 Well S

Project Name:

	Time	Time) O Lime	ides
	Temperature Upon Receipt:	Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS DHL	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?
サント	3.2	E C	DE CO	PEE

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Date

Special Instructions:

Comp Well 5-3 Comp Well 5-1 Comp Well 4-3

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2/12/2015 2/12/2015

9:41 AM

9:37 AM 9:33 AM

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Please show BTEX results as mg/kg.

Please put chlo

8021B & Chlorides.

Thank you.

PAGE 1

on a separate report TPH: 8015B, BTEX: \tilde{z}

Relinquished by:

Relinquished by:

Judou

W138

5115

Time

Received by

Relinquished by:

Date

ime

Received by ELOT:

40

Comp Well 3-1 Comp Well 2-3 Comp Well 2-1 Comp Well 1-3 Comp Well 1-1

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2/12/2015

9:07 AM

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9:29 AM

2/12/2015 2/12/2015 2/12/2015

9:21 AM 9:16 AM

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2/12/2015 2/12/2015 2/12/2015

Comp Well 4-1 Comp Well 3-3 8

LAB # (lab use only)

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Total #. of Containers

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

418.1

SAR / ESP / CEC

Volatiles Semivolatiles

RCI N.O.R.M. Chlorides

SAR

Standard TAT

TX 1005

Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity)

Metals: As Ag Ba Cd Cr Pb Hg S

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

8015M

8015

TCLP:

TX 1006

Field Filtered

HNO₂ HCI

H2SO4 NaOH Na₂S₂O₃ None

TPH:

TPH:

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FIELD CODE

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ıre Upon Receipt:	nitainers Intact? s of Headspace? container(s) sals on container(s) sals on cooler(s) sals on cooler(s) and Delivered spler/Client Rep. ? rier? UPS DHL
3.2	
ငိ	Federal Cone Notario

Page 11 of 13

ARDINAL LABORATORIES

(505) 393-2326 FAX (505) 393-2476

Company Address:	Company Name	Project Manager: Amber Cannon	101 East Marland, Hobbs, NM 88240
Company Address: 105 South 4th Street	Company Name Yates Petroleum Corporation	Amber Cannon	and, Hobbs, NM 88240
			(303) 330 5050
PO#:	Project Loc:	Project #:	Project Name:
205-2020	Eddy County	2RP-2797	Compromise SWD #1 Well Site

e-mail: acannon@yatespetroleum.com

Report Format:

x Standard

TRRP

NPDES

Fax No:

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Conf

ORDER #: (lab use only)

Telephone No:

575-748-4111

Sampler Signature:

adon.

SONO

City/State/Zip:

Artesia, NM 88210

AB # (lab use only)

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Total #. of Containers

Field Filtered

Ice

HNO₃ HCI

H2SO4 NaOH Na₂S₂O₃

Comp Well 6-3 Comp Well 6-1

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w

2/12/2015 2/12/2015

9:51 AM

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:46 AM

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w

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FIELD CODE

Special Instructions:

Comp Well 10-1

Comp Well 9-3 Comp Well 9-1

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2/12/2015 2/12/2015

10:19 AM

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Comp Well 10-3

on a separate report

8015B, BTEX:

8021B & Chlorides.

Thank you.

PAGE 2 OF 4

ω -

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2/12/2015

10:32 AM 10:28 AM 10:23 AM

Please show BTEX results as mg/kg.

Please put chlorides

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×

× ×

2/12/2015 2/12/2015

> × ×

21017

me

Time

Comp Well 8-3 Comp Well 8-1 Comp Well 7-3 Comp Well 7-1

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10:15 AM 10:10 AM

Relinquished by:

Date

Ime

Received by ELOT:

Date

Time

Temperature Upon Receipt:

54

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me

Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS

Lone Star

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Labels on container(s)
Custody seals on cooler(s)
Custody seals on cooler(s) VOCs Free of Headspace? Sample Containers Intact? Laboratory Comments:

ZZZZZZZ

Relinquished by:

morranon

Relinquished by:

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1		+	+	\dagger	T	1	1	1		Cations (Ca, Mg, Na, K)			1
-		+	+	+-	T		T	T		Anions (CI, SO4, Alkalinity)		TOTAL	70
-	_	+	+	+	+	T	\dagger	+		SAR / ESP / CEC		A.	CLP:
_	_	+	+	+	+	+	+	1	1	Metals: As Ag Ba Cd Cr Pb Hg	Se		
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-	×	×	×	×	×	×	×	×	×	BTEX 8021B/5030 or BTEX 82	260		
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-	×	T×	- ×	×	×	+	×	×	×	Chlorides			
-	+	+	+	+	+	+	\top	\top		SAR	- 54 70000		

Fax No:

Report Format:

x Standard

TRRP

NPDES

City/	Com	Com	Proje	A.	1
City/State/Zip:	pany Address:	Company Name	ct Manager:	ARDINAL LA 101 East Mark	
Artesia, NM 88210	Company Address: 105 South 4th Street	Yates Petroleum Corporation	Project Manager: Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	
				(505) 393-2326 FAX (505) 393-2476	
X Standard	PO#	Project Loc:	Project #:	Project Name:	
Standard				Comprom	
TRRP NPDES	205-2020	Eddy County	2RP-2797	Compromise SWD #1 Well Site	
NPDES			Pag		13
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RUSH TAT (Pre-Schedule Standard TAT	Chlorides SAR	N.O.R.M.	BTEX 8021B/5030 or BTE RCI	Semivolatiles	Volatiles	SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pt	Anions (CI, SO4, Alkalinity)	Cations (Ca, Mg, Na, K)	TPH: TX 1005 TX 10	TPH: 418.1 8015M	NP=Non-Potable Specify Other	GW = Groundwater S=Soil/Solid	DW=Drinking Water SL=Sludge	Other (Specify)	None	Na ₂ S ₂ O ₃	NaOH	H ₂ SO ₄	нсі	HNO₃	lce	otal #. of Containers	eld Filtered	Time Sampled	Date Sampled	nding Depth	ginning Depth			Č		# (lab use only)	19
e) 24, 41			X 8260		J	Ha Se			006	80151		Matrix	2	2	Preservation & # of Containers	Cont	0	∞ ∑	vatio	esen	Ţ								8240	200	工	(lab use only)	on (lac
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			ĭ	Analyze For:	naly	7					73	acannon@yatespetroleum.com	3	leu	5	De	es	Va	0	lon n	TITE	306	10.	e-mail:		3	2	Carrer	5))	
																							ı	rax No.					575-748-4111	575	Telephone No:	Tel	

ARDINAL LABORATORIES

Company Address: Project Manager: Company Name 101 East Marland, Hobbs, NM 88240 105 South 4th Street Amber Cannon Yates Petroleum Corporation (505) 393-2326 FAX (505) 393-2476 Project Name: Project Loc: Project #: PO #: Compromise SWD #1 Well Site **Eddy County** 2RP-2797 205-2020 Page 13 of 13

otal #. of Containers					a
lce					ä
HNO₃	Preservation & # of Containers				DO
нсі	vatio				<u></u>
H ₂ SO ₄	on &				Va
NaOH	# of (es
$Na_2S_2O_3$	Conta				pe
None	iner				0
Other (Specify)	S				eu u
DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix				acannon@yatespetroleum.com
TPH: 418.1 8015M 8	015				
TPH: TX 1005 TX 100	6				
Cations (Ca, Mg, Na, K)					١
Anions (CI, SO4, Alkalinity)		101	10		١
SAR / ESP / CEC		OTAL:	CLP:		١
Metals: As Ag Ba Cd Cr Pb F	lg Se			3	ł
Volatiles			L	nalyze For	1
Semivolatiles				erc	
BTEX 8021B/5030 or BTEX	8260	1	L	Į.	
RCI					

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

ORDER #: (lab use only)

H500428-

Telephone No:

575-748-4111

Fax No:

Report Format:

x Standard

TRRP

NPDES

e-mail:

Sampler Signature:

Moder

20202

City/State/Zip:

Artesia, NM 88210

LAB # (lab use only)

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Ice

Comp Well 16-1 Comp Well 16-3

w

w

2/12/2015

2/12/2015

11:30 AM 11:33 AM

×

FIELD CODE

Special Instructions:

on a separate report TPH: 8015B, BTEX:

8021B & Chlorides.

Please show BTEX results as mg/kg.

Thank you.

PAGE 4 OF

Relinquished by:

Relinquished by:

3

2/18/15 Date

ime

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

Temperature Upon Receipt:

Custody seals on container(s)
Custody seals on cooler(s)

abels on container(s)

ZZZZZZZ

Sample Containers Intact? VOCs Free of Headspace?

Sample Hand Delivered by Sampler/Client Rep. by Courier? UPS

P										None		
eas		\dashv	+	\dashv	\dashv	_				Other (Specify)		
Please put chlorides								S	S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other		
orid				1	_	7	十	×	×	TPH: 418.1 8015M 8015		П
es			\neg	\neg						TPH: TX 1005 TX 1006		П
2 5	_		\dashv	\neg	7		\top			Cations (Ca, Mg, Na, K)		П
Laboratory	_		$\neg \uparrow$	\neg	\neg	\top	\neg			Anions (CI, SO4, Alkalinity)	TOTAL	10
ato	_		\neg				十			SAR / ESP / CEC	P	TCLP:
TY C	-		_			_	十			Metals: As Ag Ba Cd Cr Pb Hg S	E	
mo on	-	\vdash			\neg	\neg	\dashv		T	Volatiles		
omments:	-	\vdash		_		\dashv	\dashv		+	Semivolatiles		
Laboratory Comments:	-	\vdash					十	×	×	BTEX 8021B/5030 or BTEX 826	0	I
٠	-	\vdash					\neg		T	RCI		
	-	+					\neg			N.O.R.M.		
		-	-		_		-		1.	Chloridas		

SAR

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Standard TAT



March 18, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: COMPROMISE SWD #1 WELL SITE

Enclosed are the results of analyses for samples received by the laboratory on 03/13/15 11:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes D. Kuna

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 (505) 748-4635 Fax To:

Received:

03/13/2015

Sampling Date:

03/11/2015

Reported:

Sampling Type:

Soil

03/18/2015

** (See Notes)

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

Project Number: Project Location: 2RP-2797

EDDY COUNTY, NM

Sample Received By:

Celey D. Keene

Sample ID: COMP WELL 1 - 5 (H500704-01)

Chloride,	SM4500CI-B
-----------	------------

mg/kg

Analyzed By: AP

Analyte

Result

Analyzed

Method Blank

% Recovery

104

True Value QC

RPD

Chloride

1760

16.0

Reporting Limit

03/18/2015

ND

416

400

0.00

RPD

0.00

Sample ID: COMP WELL 2 - 5 (H500704-02)

	SM4	

Analyte

mg/kg

Analyzed By: AP

% Recovery

Qualifier

Chloride

Chloride

Chloride

Result 3240

6000

Result

3400

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 03/18/2015

03/18/2015

Analyzed

03/18/2015

Method Blank ND

ND

BS 416

BS

416

BS

104

True Value QC 400

Qualifier

Sample ID: COMP WELL 3 - 5 (H500704-03)

Chloride.	SM4500CI	-B

Analyzed By: AP

Analyte

Result Reporting Limit

Analyzed

Method Blank

% Recovery

104

True Value QC

400

RPD

0.00

Qualifier

Sample ID: COMP WELL 4 - 5 (H500704-04)

Chloride,	SM4500CI-B	

Analyte

mg/kg

Analyzed By: AP

Method Blank

ND

BS

416

% Recovery

104

True Value OC 400

RPD 0.00 Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories,

Celeg Ditrene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 7



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/13/2015

Sampling Date:

03/11/2015

Reported:

03/18/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

16.0

Sampling Condition:

** (See Notes)

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 5 - 5 (H500704-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

1640

Reporting Limit

Analyzed 03/18/2015 Method Blank ND

416

% Recovery

104

% Recovery

104

BS

400

True Value QC

RPD

0.00

RPD

0.00

Qualifier

Sample ID: COMP WELL 6 - 5 (H500704-06)

Chloride, SM4500CI-B

Analyte

Analyte

Analyte

Analyzed By: AP

BS

True Value QC

Qualifier

Chloride

Chloride

Result 2040

16.0

Reporting Limit

03/18/2015

Analyzed

Method Blank ND

416

400

Sample ID: COMP WELL 7 - 5 (H500704-07)

Chloride, SM4500CI-B

Analyzed By: AP

Analyzed

Method Blank BS % Recovery

True Value OC

Qualifier

Chloride

Result 1880

Result

528

Reporting Limit 16.0

Reporting Limit

16.0

Reporting Limit

16.0

03/18/2015

ND

416

104

400

RPD 0.00

Sample ID: COMP WELL 8 - 5 (H500704-08)

Chloride, SM4500CI-B

Analyzed By: AP

mg/kg

Analyzed

03/18/2015

Analyzed

03/18/2015

Method Blank

ND

Method Blank

ND

BS

% Recovery

True Value QC

RPD

0.00

RPD

0.00

Qualifier

Sample ID: COMP WELL 9 - 5 (H500704-09)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

416

BS

416

104

% Recovery

104

400

Chloride

Chloride

Result

2960

True Value QC

400

Qualifier

Cardinal Laboratories

Analyte

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. soever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories,

Calley To treema -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Analyzed By: AP

Received:

03/13/2015

Sampling Date:

03/11/2015

Reported:

Chloride, SM4500Cl-B

03/13/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

** (See Notes)

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

mg/kg

Sample ID: COMP WELL 10 - 5 (H500704-10)

Chioride, Si-14300Cl-D	ilig	/ Ng	Allalyze	u by. Ar						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	03/18/2015	ND	416	104	400	0.00		
Sample ID: COMP WELL 1	L1 - 5 (H50070	04-11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	03/18/2015	ND	416	104	400	0.00		
Sample ID: COMP WELL :	12 - 5 (H50070	04-12)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				-		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	03/18/2015	ND	416	104	400	0.00		
Sample ID: COMP WELL :	13 - 5 (H50070	04-13)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					***************************************	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	03/18/2015	ND	416	104	400	0.00		
Sample ID: COMP WELL	14 - 5 (H5007	04-14)								
Chloride, SM4500CI-B	mg	ı/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie	
Chloride	176	16.0	03/18/2015	ND	416	104	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Calley to trans-

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST \mathcal{O}

ARDINAL LA 101 East Mark	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	(505) 393-2326 FAX (505) 393-2476	production of the production o	ge 6 of 7	
Project Manager:	Amber Cannon		Project Name:	Compromise SWD #1 Well Site	
Company Name	Yates Petroleum Corporation		Project #:	2RP-2797	-
Company Address:	Company Address: 105 South 4th Street		Project Loc:	Eddy County	1
City/State/Zip:	Artesia, NM 88210		PO#:	205-2020	į
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cial In	0	2	×	1	6	5	4	W	u		LAB # (lab use only)	OKULK #		(lab use only)			
Special Instructions: PAGE 1 of 2	Comp Well 10-5	Comp Well 9-5	Comp Well 8-5	Comp Well 7-5	Comp Well 6-5	Comp Well 5-5	Comp Well 4-5	Comp Well 3-5	Comp Well 2-5	Comp Well 1-5	FIELD CODE	# 11300 104	シンナ	only)		Sampler Signature: (LMO) (a	lelephone No: 575-748-4111 or 575-513-8799
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Relinquished by

Date

Time

Received by ELOT:

Relinquished by

moer

3/13/15

13

1125 Time

Labels on container(s)
Custody seals on container(s)
Custody seals on cooler(s)
Sample Hand Delivered
by Sampler/Client Rep.?
by Counter? UPS DHL

zzzzzz

Time

VOCs Free of Headspace? Sample Containers Intact?

Date

ime

Temperature Upon Receipt:

FedEx Lone Star

Date

Date

Time

Relinquished by:

Project Name:

Compromise SWD #1 Well Site

Page 7 of 7

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

Project Manager:

Amber Cannon

(505) 393-2326 FAX (505) 393-2476

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Relinquished by:	Relinquished by:	Special Ir				14	a	E C		LAB # (lab use only)	ORDER #:						
ed by:	aby anno	Special Instructions:				Com	Com	Com	Com	핆	# nly)		Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name
	<u>(N)</u>	PAGE 2 of 2				Comp Well 14-5	Comp Well 13-5	Comp Well 12-5	Comp Well 11-5	FIELD CODE	2 = 1			575-748-4111 or 575-513-8799	Artesia, NM 8	: 105 South 4th Street	Yates Petroleum Corporation
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March 24, 2015

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: COMPROMISE SWD #1 WELL SITE

Enclosed are the results of analyses for samples received by the laboratory on 03/20/15 10:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/20/2015

Sampling Date:

03/11/2015

Reported:

03/24/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

** (See Notes)

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 1-7 (H500759-01)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Reporting Limit Result

320

Analyzed Method Blank

BS

% Recovery

True Value QC

RPD

0.00

Qualifier

Sample ID: COMP WELL 2-7 (H500759-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

416

BS

416

104

400

Result

3160

Reporting Limit 16.0

16.0

Analyzed 03/24/2015

03/24/2015

Method Blank ND

ND

% Recovery 104

True Value QC 400

Qualifier

RPD 0.00

Sample ID: COMP WELL 3-7 (H500759-03)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Analyte

Analyte

Reporting Limit Result

Analyzed

Method Blank

BS

True Value QC % Recovery

RPD

Oualifier

Chloride

Chloride

4160

Result

3960

16.0

Reporting Limit

16.0

03/24/2015

ND

416

104

400

0.00

Sample ID: COMP WELL 4-7 (H500759-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

03/24/2015

Method Blank

ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

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Celey & treeme

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 6



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/20/2015

Sampling Date:

03/11/2015

Reported:

03/24/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Sampling Condition:

** (See Notes)

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 5-7 (H500759-05)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Analyte

Analyte

Analyte

Result

Analyzed

Method Blank

BS

% Recovery 104

True Value QC

400

RPD

Qualifier

Chloride

1920

16.0

Reporting Limit

03/24/2015

ND

416

0.00

Sample ID: COMP WELL 6-7 (H500759-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

BS

RPD

0.00

Qualifier

Chloride

Result 1760 Reporting Limit 16.0

Analyzed 03/24/2015

ND

416

% Recovery 104

True Value QC 400

Chloride, SM4500CI-B

Sample ID: COMP WELL 7-7 (H500759-07) mg/kg

Analyzed By: AP

Analyzed

Method Blank

BS

% Recovery

Qualifier

Chloride

Chloride

Chloride

Result 1920

Result

2400

Result

4360

Reporting Limit 16.0

03/24/2015

ND

416

True Value QC

RPD

0.00

Analyzed By: AP

104

400

Sample ID: COMP WELL 9-7 (H500759-08)

Chloride, SM4500CI-B

mg/kg

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed

03/24/2015

03/24/2015

Method Blank

ND

BS

416

416

% Recovery

True Value QC

400

RPD

Qualifier

Sample ID: COMP WELL 10-7 (H500759-09)

Analyzed By: AP

ND

104

400

0.00

Qualifier

Chloride, SM4500CI-B

mg/kg

Analyzed

Method Blank BS

% Recovery

104

True Value QC

RPD

0.00

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories

Calley D. France -



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/20/2015

Sampling Date:

03/11/2015

Reported:

03/24/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

16.0

Reporting Limit

Sampling Condition:

** (See Notes)

Project Number:

2RP-2797

Sample Received By:

Celey D. Keene

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 11-7 (H500759-10)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Result Reporting Limit

Analyzed 03/24/2015 Method Blank

ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00

RPD

0.00

Qualifier

Sample ID: COMP WELL 12-7 (H500759-11)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS

% Recovery

104

True Value QC

Oualifier

Chloride

Chloride

Chloride

Result 3080

1470

16.0

Analyzed 03/24/2015

Analyzed

Method Blank ND

416

400

Sample ID: COMP WELL 13-7 (H500759-12)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte Result Reporting Limit 2280 16.0

03/24/2015

ND

Method Blank

BS 416 % Recovery 104

True Value QC 400

RPD 0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celleg There-

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 6



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene

	Relinquished by:	Relinquis	Relinquished by:		Special I	le le	//	6	a	×	/	6	5	4	w	e	/	LAB # (lab use only)	(lab use only) ORDER #:							60
	hed by:	hed by:	Dec annor		Special Instructions:	Comp Well 13-7	Comp Well 12-7	Comp Well 11-7	Comp Well 10-7	Comp Well 9-7	Comp Well 7-7	Comp Well 6-7	Comp Well 5-7	Comp Well 4-7	Comp Well 3-7	Comp Well 2-7	Comp Well 1-7	FIELD CODE	2#: H500759	Sampler Signature: ()		City/State/Zip: Artesia, NM	Company Address: 105 Sout	Company Name Yates Pet	Project Manager: Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
	Date	Date	3/20/15																	berly	575-748-4111 or 575-513-8799	M 88210	105 South 4th Street	Yates Petroleum Corporation	annon	IES NM 88240
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	Temperature Upon Receipt:	Sample Hand Delivered by Sampler/Client Rep. by Courier? UPS	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Sample Containers Intact? VOCs Free of Headspace?	Laboratory Comments:	_	\vdash	-	+	-	-	\vdash	-		-	-	-	Anions (CI, SO4, Alkalinity) SAR / ESP / CEC	TCLP:		× Standard					
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March 31, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: COMPROMISE SWD #1 WELL SITE

Enclosed are the results of analyses for samples received by the laboratory on 03/27/15 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 (505) 748-4635

Fax To:

Received: Reported: 03/27/2015

03/31/2015

Project Name:

COMPROMISE SWD #1 WELL SITE

Project Number:

Project Location:

2RP-2797

EDDY COUNTY, NM

Sampling Date:

Sampling Type:

Sampling Condition:

Soil

** (See Notes)

03/11/2015

Sample Received By:

Jodi Henson

Sample ID: COMP WELL 2-9 (H500823-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Result 2280 Reporting Limit 16.0

Analyzed 03/27/2015 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00 Qualifier

Sample ID: COMP WELL 3-9 (H500823-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

BS % Recovery True Value QC

Qualifier

Chloride

Chloride

Chloride

Result 2080

1390

Reporting Limit

16.0

16.0

03/27/2015

Analyzed

ND

416

104

400

Sample ID: COMP WELL 4-9 (H500823-03)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte Reporting Limit Result

Analyzed 03/27/2015 Method Blank

ND

BS 416

BS

416

% Recovery 104

104

True Value QC 400

RPD

0.00

RPD

0.00

Qualifier

Sample ID: COMP WELL 5-9 (H500823-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte Chloride

Result

704

Reporting Limit 16.0

Analyzed 03/27/2015

Method Blank ND

% Recovery

True Value QC

400

RPD 0.00 Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses, All claims, including those for negligence and over shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celley & Freene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 (505) 748-4635 Fax To:

Received:

03/27/2015

Sampling Date:

03/11/2015

Reported:

03/31/2015

Sampling Type:

Soil

Project Name:

COMPROMISE SWD #1 WELL SITE

Reporting Limit

16.0

Sampling Condition:

** (See Notes)

Project Number:

2RP-2797

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: COMP WELL 6-9 (H500823-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

2720

Analyzed 03/27/2015 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00

Qualifier

Sample ID: COMP WELL 7-9 (H500823-06)

Chloride, SM4500CI-B

Analyte

Analyte

Analyte

mg/kg

Analyzed By: AP

Chloride

Chloride

Result

2720

Reporting Limit 16.0

Analyzed 03/27/2015 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

Oualifier

0.00

RPD

Sample ID: COMP WELL 9-9 (H500823-07)

Chloride, SM4500CI-B

Analyzed By: AP

Chloride

3560

Result

16.0

Reporting Limit

Analyzed 03/27/2015 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00 Qualifier

Sample ID: COMP WELL 10-9 (H500823-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

Chloride

Chloride

Result 3440

176

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 03/27/2015

03/27/2015

ND

BS 416 % Recovery 104

True Value QC 400

RPD

Qualifier

Sample ID: COMP WELL 11-9 (H500823-09)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

ND

416

0.00

Qualifier

Analyte Result

Analyzed

Method Blank RS

% Recovery

104

True Value QC

400

RPD

0.00

Cardinal Laboratories

*=Accredited Analyte

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Celly Ditrene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

03/27/2015

Sampling Date:

03/11/2015

Reported:

Sampling Type:

Soil

Project Name:

03/31/2015

** (See Notes)

COMPROMISE SWD #1 WELL SITE 2RP-2797

Sampling Condition:

Project Number: Project Location:

Sample Received By:

Jodi Henson

EDDY COUNTY, NM

Sample ID: COMP WELL 12-9 (H500823-10)

Chloride, SI	44500CI-B
--------------	-----------

Chloride

mg/kg

Analyzed By: AP

Analyte

Reporting Limit Result

16.0

3000

Analyzed 03/27/2015 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

Qualifier

0.00

Sample ID: COMP WELL 13-9 (H500823-11)

Chloride, SM4500CI-B	mg,	/kg	Analyz	ed By: AP
Analyte	Result	Reporting Limit	Analyzed	Method Blan

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	03/27/2015	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey Theene -



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey & Frene-

Project Manager: Amber Ca	50	1
ct Manager:	ARDINAL LA 101 East Mark	
Amber Ca	ARDINAL LABORATORIE 101 East Marland, Hobbs, NI	

1		CHAIN OF CUS	ODY RECORD AND	CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST	;	
ARDINAL L	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	(505) 393-2326 FAX (505) 393-2476			6 of 6	
Project Manager:	Amber Cannon		Project Name:	Compromise SWD #1 Well Site	age	
Company Name	Yates Petroleum Corporation		Project #:	2RP-2797	Pa	
Company Addres	Company Address: 105 South 4th Street		Project Loc:	Eddy County	' C	
City/State/Zin	Artesia NM 88210		PO #:	205-2020	1	
Telephone No:	575-748-4111 or 575-513-8799	Fax No: 575-748-4131	Report Format: X Standard	Standard TRRP NPDES		

Relinquished by:	Relinquished by: Relinquished by:	Special Instructions:			0	2	B	1	0	C	4	8	2		LAB,# (lab use only)	ORDER#:	(lab use only)		Sample
	Connon	ns:		Comp Well 13-9	Comp Well 12-9	Comp Well 11-9	Comp Well 10-9	Comp Well 9-9	Comp Well 7-9	Comp Well 6-9	Comp Well 5-9	Comp Well 4-9	Comp Well 3-9	Comp Well 2-9	FIELD CODE	H560823			Sampler Signature:
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OT:				2:38 PM	2:19 PM	1:54 PM	1:25 PM	12:54 PM	12:00 PM	11:34 AM	11:03 AM	10:31 AM	10:00 AM	9:37 AM	Time Sampled				0
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pera	Labets on container Custody seals on container Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. by Courier? UPS	Sample Containers Intact? VOCs Free of Headspace?	-	+	+	+		+	+	+	+	+	+	-	Anions (CI, SO4, Alkalinity) SAR / ESP / CEC		TOTAL:	TCLP:	
ure	seals seals tand mpli	ont:	-	-	+	+	-	+	+	-	+	+	+-	+	Metals: As Ag Ba Cd Cr Pb Hg	-			
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2															N.O.R.M.				
Temperature Upon Receipt: 18.6		0		×	×	×	×	×	×	×	×	×	×	×		HENNE STREET			
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