

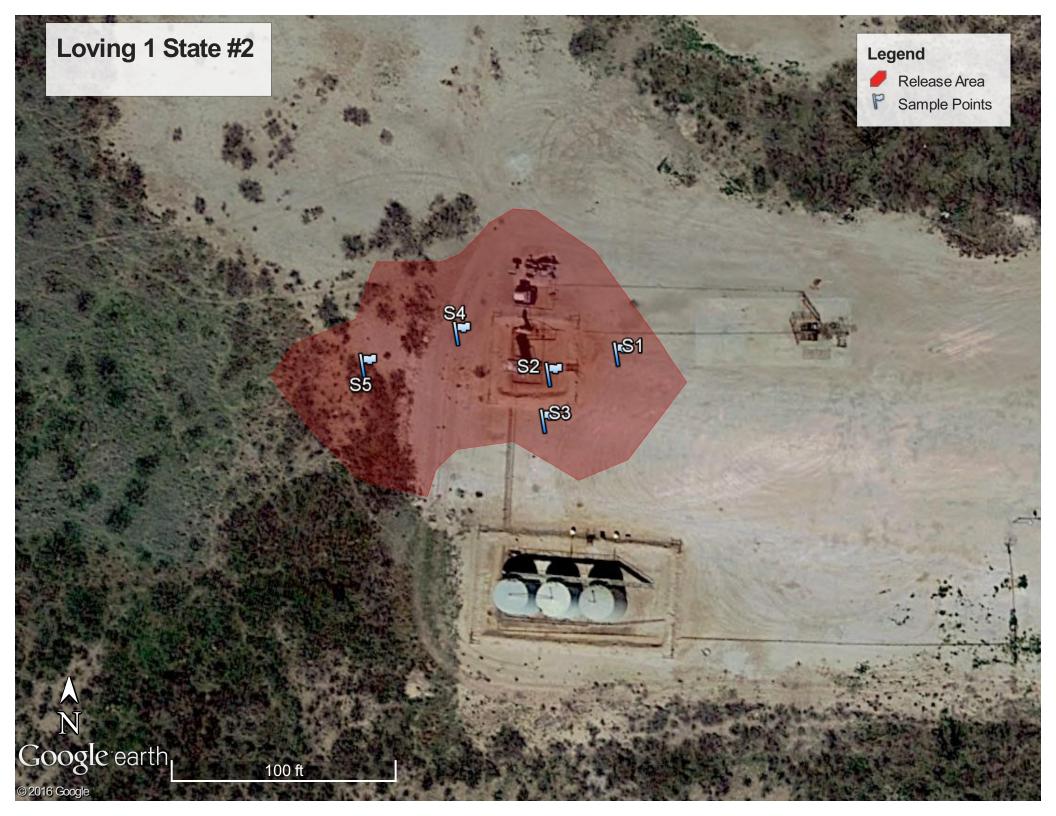
PHONE (575) 397-6388 • FAX (575) 397-0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

COG - LOVING 1 STATE #2

REMEDIATION PLAN

COG will excavate the spill area as depicted on the following site diagram. The spill area near sample point SP1 will be excavated to a depth of 6 inches to 1 foot. In the area of SP2, the excavation will be 1 foot then an impermeable liner will be placed into the excavation. In addition, during excavation, samples will be taken and field screened for chloride in order to delineate to a chloride range of 400 ppm. In the areas of SP3 and SP-4, 6 inches will be removed and in the area of SP-5, 1 foot will be excavated. The entire site will be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.



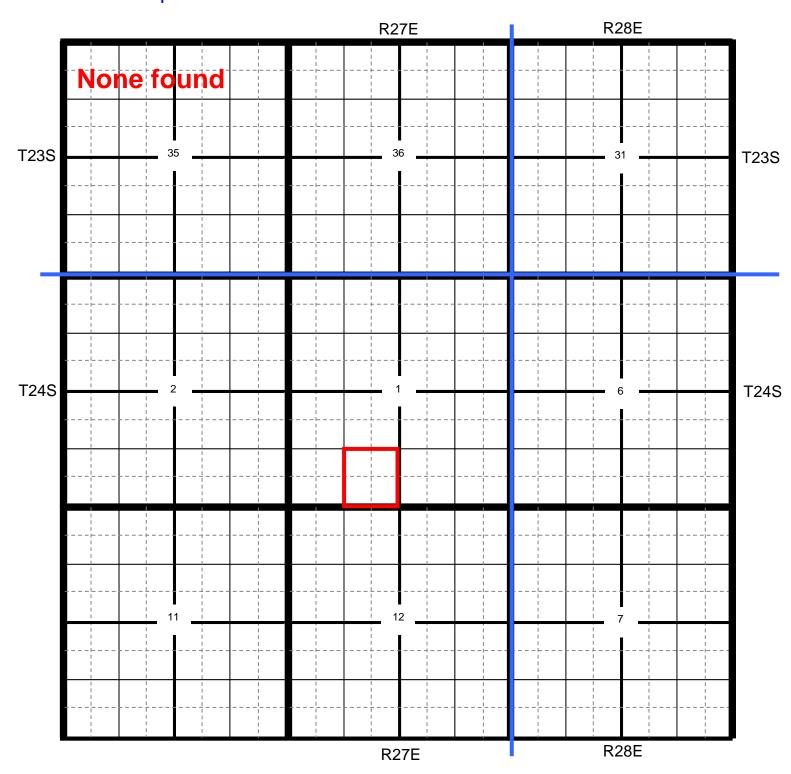


Groundwater Plot

Concho Loving 1 State #2

CountyUnit LetterSectionTownshipRangeEddyN124S27E

Trend Map <50'



Concho Loving 1 State #002

CountyUnit LetterSectionTownshipRangeEddyN124S27E

Trend Map <50'

1

NW/NW	NE/NW	NW/NE	NE/NE
None found			
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW∤NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

Laboratory Analytical Results Summary Loving 1 State #2

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 6'	SP1 @ 8'	SP1 @ 10'	SP1 @ 12'
Analyte	Method	Date	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16
			mg/Kg	mg/Kg						
Benzene	BTEX 8021B		<0.050	<0.050	< 0.050	< 0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	< 0.050	< 0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	< 0.050	< 0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		576	<16.0	16	32	32	144	160	368
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		21.9	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a

		Sample	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		304	880	1280	1060	912
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		15.2	<10.0	<10.0	<10.0	<10.0

		Sample	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 6'
Analyte	Method	Date	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	< 0.050	<0.050	< 0.050	< 0.050	n/a
Toluene	BTEX 8021B		< 0.050	<0.050	< 0.050	< 0.050	< 0.050	n/a
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	n/a
Total Xylenes	BTEX 8021B		0.202	<0.150	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	n/a
Chloride	SM4500CI-B		416	<16.0	<16.0	<16.0	32	48
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		183	<10.0	<10.0	<10.0	<10.0	n/a

		Sample	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	5/23/16	5/23/16	5/23/16	5/23/16	5/23/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	<0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	<0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		112	480	112	240	192
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		15.5	<10.0	<10.0	<10.0	<10.0

		Sample	SP5 @ Surface	SP5 @ 1'
Analyte	Method	Date	5/23/16	5/23/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	< 0.050
Toluene	BTEX 8021B		25.8	< 0.050
Ethylbenzene	BTEX 8021B		16	0.062
Total Xylenes	BTEX 8021B		33	0.638
Total BTEX	BTEX 8021B		175	0.701
Chloride	SM4500CI-B		1150	80
GRO	TPH 8015M		3670	17.5
DRO	TPH 8015M		30000	169



June 02, 2016

LUPE CARRASCO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: LOVING 1 STATE #2

Enclosed are the results of analyses for samples received by the laboratory on 05/25/16 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil
Project Name: LOVING 1 STATE #2 Sampling Condition: Cool

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 1' (H601149-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/01/2016	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	21.9	10.0	05/27/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	84.8	% 35-147	,						
Surrogate: 1-Chlorooctadecane	108 9	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 2' (H601149-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2016	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	78.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	103 9	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 3' (H601149-03)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/01/2016	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	92.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	122 9	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 4' (H601149-04)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/01/2016	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/27/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	92.0	% 35-147	,						
Surrogate: 1-Chlorooctadecane	120 9	% 28-171							

Sample ID: S1 - 6' (H601149-05)

Chloride, SM4500Cl-B	-B mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/01/2016	ND	400	100	400	3.92	

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 8' (H601149-06)

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 144 16.0 06/01/2016 ND 400 100 400 3.92

Sample ID: S1 - 10' (H601149-07)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank % Recovery Qualifier Chloride 160 16.0 06/01/2016 400 400 3.92 ND 100

Sample ID: S1 - 12' (H601149-08)

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 368 06/01/2016 ND 400 400 3.92 16.0 100

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Celeg D. Freene



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - SURFACE (H601149-09)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/01/2016	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/27/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	15.2	10.0	05/27/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	85.5 9	% 35-147	7						

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Celey D. Keine

Surrogate: 1-Chlorooctadecane

116 %

28-171



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - 1' (H601149-10)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	06/01/2016	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	86.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	106 9	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: **NOT GIVEN**

Sample ID: S2 - 2' (H601149-11)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	< 0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	< 0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	73.3 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	103 %	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - 3' (H601149-12)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	76.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	98.4	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - 4' (H601149-13)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	80.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	107 9	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - SURFACE (H601149-14)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	0.202	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	183	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	80.5	% 35-147	7						
Surrogate: 1-Chlorooctadecane	108 9	% 28-171	,						

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 1' (H601149-15)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	< 0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	< 0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	73.7 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	103 %	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 2' (H601149-16)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	< 0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	< 0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	< 0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	79.6	% 35-147	,						
Surrogate: 1-Chlorooctadecane	113 9	6 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 3' (H601149-17)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	< 0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	82.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	108 9	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 4' (H601149-18)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	90.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	119 9	6 28-171							

Sample ID: S3 - 6' (H601149-19)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/01/2016	ND	416	104	400	0.00	

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - SURFACE (H601149-20)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	15.5	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	84.7	% 35-147	7						
Surrogate: 1-Chlorooctadecane	110 9	% 28-171							

Surrogate: 1-Chlorooctadecane 110 % 28-171

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 1' (H601149-21)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2016	ND	1.81	90.5	2.00	2.15	
Toluene*	<0.050	0.050	05/31/2016	ND	1.87	93.7	2.00	1.33	
Ethylbenzene*	<0.050	0.050	05/31/2016	ND	1.73	86.5	2.00	1.12	
Total Xylenes*	<0.150	0.150	05/31/2016	ND	5.42	90.4	6.00	0.639	
Total BTEX	<0.300	0.300	05/31/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	84.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	113 9	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 2' (H601149-22)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2016	ND	1.81	90.5	2.00	3.57	
Toluene*	<0.050	0.050	06/01/2016	ND	1.88	94.2	2.00	2.83	
Ethylbenzene*	<0.050	0.050	06/01/2016	ND	1.74	87.0	2.00	3.93	
Total Xylenes*	<0.150	0.150	06/01/2016	ND	5.41	90.2	6.00	3.99	
Total BTEX	<0.300	0.300	06/01/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	77.7 5	% 35-147	,						
Surrogate: 1-Chlorooctadecane	103 9	% 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 3' (H601149-23)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2016	ND	1.81	90.5	2.00	3.57	
Toluene*	<0.050	0.050	06/01/2016	ND	1.88	94.2	2.00	2.83	
Ethylbenzene*	<0.050	0.050	06/01/2016	ND	1.74	87.0	2.00	3.93	
Total Xylenes*	<0.150	0.150	06/01/2016	ND	5.41	90.2	6.00	3.99	
Total BTEX	<0.300	0.300	06/01/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	82.1	% 35-147	,						
Surrogate: 1-Chlorooctadecane	111 9	6 28-171							

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 4' (H601149-24)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2016	ND	1.81	90.5	2.00	3.57	
Toluene*	<0.050	0.050	06/01/2016	ND	1.88	94.2	2.00	2.83	
Ethylbenzene*	<0.050	0.050	06/01/2016	ND	1.74	87.0	2.00	3.93	
Total Xylenes*	<0.150	0.150	06/01/2016	ND	5.41	90.2	6.00	3.99	
Total BTEX	<0.300	0.300	06/01/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/28/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	<10.0	10.0	05/28/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	76.4	% 35-147	7						
Surrogate: 1-Chlorooctadecane	101	% 28-171							

Surrogate: 1-Chlorooctadecane 101 % 28-171

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Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact Project Number: Sample Received By: Celey D. Keene NONE GIVEN

Project Location: **NOT GIVEN**

Sample ID: S5 - SURFACE (H601149-25)

BTEX 8021B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	06/01/2016	ND	1.81	90.5	2.00	3.57	
Toluene*	25.8	2.00	06/01/2016	ND	1.88	94.2	2.00	2.83	
Ethylbenzene*	16.0	2.00	06/01/2016	ND	1.74	87.0	2.00	3.93	
Total Xylenes*	133	6.00	06/01/2016	ND	5.41	90.2	6.00	3.99	
Total BTEX	175	12.0	06/01/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3670	100	05/31/2016	ND	184	92.0	200	4.56	
DRO >C10-C28	30000	100	05/31/2016	ND	196	97.9	200	4.36	
Surrogate: 1-Chlorooctane	240	% 35-147	7						
Summanta 1 Chlana antada ana	7.17	0/ 20 17	,						

747 % 28-171 Surrogate: 1-Chlorooctadecane

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S5 - 1' (H601149-26)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2016	ND	1.81	90.5	2.00	3.57	
Toluene*	<0.050	0.050	06/01/2016	ND	1.88	94.2	2.00	2.83	
Ethylbenzene*	0.062	0.050	06/01/2016	ND	1.74	87.0	2.00	3.93	
Total Xylenes*	0.638	0.150	06/01/2016	ND	5.41	90.2	6.00	3.99	
Total BTEX	0.701	0.300	06/01/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/01/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	17.5	10.0	05/31/2016	ND	191	95.7	200	1.97	
DRO >C10-C28	169	10.0	05/31/2016	ND	210	105	200	2.11	
Surrogate: 1-Chlorooctane	66.5	% 35-147	,						
Surrogate: 1-Chlorooctadecane	82.5	% 28-171							

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

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

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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:	COG Operating LLC				-	- 1	-					0										1		1		1	1					1	1
Project Manager:	Lupe Carrasco								P.O. #:	9. #		8			1000	1	1	7	ANALYSIS	75		쥬	REQUEST	IF	700	1	+		\dashv		1	1	_
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Phone #:	(575) 748-6940 Fax #:								Address:	dre	SS		600 W Illinois	llinois																			
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Project Location:									밁	one	#	4	Phone #: (432) 221-0388																				-
Sampler Name:	Lupe Carrasco								Fax #:	#																							-
FOR LAB USE ONLY		·.		- 1	3	MATRIX	Ĩ	1		공	SE	PRESERV	. SAMPLING	ING																			-
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Project Manager:	r: Lupe Carrasco								9	P.O. #:	#							\dashv	-			-	3	15	- [\neg		\neg	\dashv	\perp
ess:	2208 West Main								C	Company:	pa	ŋ		COG Operating LLC	ting LLC															
City: Artesia	State: NM		Zip		88	88210	0		Þ	Attn:				Robert McNeill	eiii															
Phone #:	(575) 748-6940 Fax #:								A	Address:	es	S:		600 W Illinois	nois															
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EASE NOTE: Liability and alyses. All claims including rvice. In no event shall Carr	EASE 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 the client for the anyses. All claims including those for negligence and any other cause whatspower shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	y for any claim aris	sing wh	ether less n	base	n wri	ontra	ot or	tort,	hall I	be lin	nited	with:	he amount paid by t	he client for the	icable														
elinquished By:	elinquished By: Date:	er by Cardinal, rega	regardless of whe	D of w	ether	such	clair	n is	asec	upol	n any	oft	ne a	her such claim is based upon any of the above stated reasons	ons or otherwise.															
elinquished By:	nam	Received By	ive ve	0		8		2						Q Z T P	Phone Result: [Fax Result: [Carrell REMARKS: GCarrell Gatrujillo@concho	t: D Gcar gcar	Yes Yes	Yes No Add'i Yes No Add'i Gearrasco@concho.com	Add'l Phone Add'l Fax #: 10.COM	Add'l Phone #: Add'l Fax #: .COM										
Delivered Bv: (Circle One)	(Circle One)	3		2	5	5	3				2	1	1																	-
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Company Name: C	COG Operating LLC		0.4					
Project Manager: Lu	Lupe Carrasco		P.O. #:		+	1	מוסיק	1
Address: 2208 West Main	st Main		ny:	COG Operating LLC				
City: Artesia	State: NM	Zi p 88210		AcNeill				
Phone #: (57)	(575) 748-6940 Fax #:		Address: 600 W	600 W Illinois				_
Project #:	Project Owner:			nd				
Project Name: Loving	Loving 1 State #2		: TX Zip	701	_	-		
Project Location:			(432	88	_			
Sampler Name: Lu	Lupe Carrasco							
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	LING				
	Sample I.D.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	TPH	Chloride		
	S3-SURFACE	×	5/23/16		×	×		4
15 83-1		×	5/23/16		×	×		_
9		×	5/23/16		×	×		_
1 1 83-3		×	5/23/16		×	×		_
0		×	5/23/16		×			_
-19 83-6'		×	5/23/16					
analyses. All claims including those for service. In no event shall Cardinal be lia affiliates or successors arising out of or not the service.	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by the client for the 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 30 days after completion of the applicat service. In no event shall Cardinal be liable for incidental or consequental 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 services hereunder by Cardinal, regardless of whether glich claim is based upon any of the above stated reasons or otherwise.	claim arising whether based in contract or to med waived unless made in writing and rea thout limitation, business interruptions, loss linal, regardless of whether glich claim is by	ort, shall be limited to the amount pai ceived by Cardinal within 30 days afte of use, or loss of profits incurred by o ased upon any of the above stated re	by the client for the rompletion of the application in the application, its subsidiaries, asons or otherwise.	able			-
Relinquished By:	Time:	Received By:	0	Phone Result:	gcarra	☐ Yes ☐ No Add'i ☐ Yes ☐ No Add'i gcarrasco@concho.com	Add'l Phone #: Add'l Fax #: no.com	×
	Time:	0						
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	3.0.0	Sample Condition Cool Intact Yes Wyes	n CHECKED BY:					
FORM-006 R 2.0	and so	les la res	The House					



		BILL 10				ANALYSIS REQUEST
Project Manager: Lupe Carrasco		P.O. #:		\dashv	1	
Address: 2208 West Main		Company: COG Operating LLC	rating LLC			
City: Artesia State: NM	Zip 88210		Neill			
Phone #: (575) 748-6940 Fax #:		Address: 600 W Illinois	Illinois	_		
Project #: Project Owner:		City: Midland	<u>a</u>			
Project Name: Loving 1 State #2		: TX Zip	2	_		
Project Location:		Phone #: (432) 221-0388				
Sampler Name: Lupe Carrasco		Fax #:				
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	ING			
	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX	TPH	Chloride	
S4-SURFACE	×		×	\dashv	\dashv	
- 21 84-1	×	5/23/16	×	-		
_ & S4-2'	×	5/23/16	×		-	
23 84-3	×	5/23/16	×			
. 24 S4-4"	×	5/23/16	×			
FASE NOTE: Tibblift and Department of the transfer of the tran						
nalyses. All claims including those for negligence and any other cause whatsoever shall be dened waved unless made in contract or tort, shall be limited to the amount paid by the client for the envice. In no event shall Cardinal he liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, filialises or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	ry claim arising whether based in contract or to deemed waived unless made in writing and rec- without limitation, business interruptions, loss ardinal, regardless of whether such claim is ba	ort, shall be limited to the amount paid be served by Cardinal within 30 days after o of use, or loss of profits incurred by clie tsed upon any of the above stated reasons.	y the client for the completion of the applicat int, its subsidiaries, ons or otherwise.	ble		
Relinquished By: Date: Date:	Received By:		S:	gcarra	☐ Yes ☐ No Add'I ☐ Yes ☐ No Add'I arrasco@concho.com	Add'l Phone #: Add'l Fax #: O.COM
Time:	0					ſ
	Sample Condition Cool Intagt Ves	· 오				
Sampler - UPS - Bus - Other:		の世界				



Company Name:	COG Operating LLC			5				
Project Manager:	Lupe Carrasco		P.O. #:		+	1	ANALYSIS REQUEST	
Address: 2208	2208 West Main		ny:	COG Operating LLC				
City: Artesia	State: NM	Zip 88210		Robert McNeill				
Phone #:	(575) 748-6940 Fax #:		ess:	600 W Illinois				
Project #:	Project Owner:	er:	City: Mid	Midland	_			
Project Name: L	Loving 1 State #2		:: TX Zip	9701	_	_		
Project Location:			(43)	388				_
Sampler Name:	Lupe Carrasco		Fax #:		_			_
FOR LAB USE ONLY		MATRIX	SERV	SAMPLING				
Lab I.D.	Sample I.D.	AB OR (C)OMP. NTAINERS UNDWATER TEWATER DGE	ER: /BASE: COOL ER:			de		
S SC Philogh	S5-SURFACE	# CC	OTHI ACID ICE /	TIME	-	Chlor		
		>	5/23/16		×	×		
200	S5-1'	×	5/23/16		×	×		
PLEASE NOTE: Liability and Da	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contrad or tot abulity for the day.	anu dainn adèinn uhuthar hasad in contract o						
analyses. All claims including the service. In no event shall Cardine affiliates or successors arising out	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after complicion fither applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business in furnity, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	deemed waived unless made in writing and i g without limitation, business interruptions, lou Cardinal, regardless of whether/such claim is	received by Cardinal within 30 days at ss of use, or loss of profits incurred by based upon any of the above stated i	ter completion of the application of the applicatio	ble			
A Language Ly.	Time:	Received By		Phone Result:	☐ Yes☐ Yes☐	☐ Yes ☐ No Add'I	Add'l Phone #: Add'l Fax #:	
Relinquished By:	Date:	Received By:	6	ğ	cho.cor	<u>n</u>		
Delivered By: (Circle One)	Circle One)		3					
Sampler - UPS - Bus - Other: FORM-006 R 2.0	Bus - Other: Ownered 3/2	3. / °C [] Yes Yes	(Initials) #S	2				
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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011
Submit 1 Copy to appropriate District Office in

Form C-141

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rele	ease Notifi	cation	n and Co	orrective A	ction		_		
				****		OPERA:		🛚 Ini	tial Report		Fina	ıl Repor
Name of Co				1 777 70701			bert McNeill					
Facility Nar		inois Avenue		a 1X /9/01		Facility Typ	No. 432-230-007	r7				
		.40 1 517111	= #****	·			be. Dattery					
Surface Ow	ner;			Mineral (Owner:	State		API N	lo. 30-015-2	<u> 2449</u>		
						N OF REI						
Unit Letter N	Section 1	Township 24S	Range 27E	Feet from the 990'	1	South Line	Feet from the 2110	East/West Line West	;	Cour Edd		
				Latitude 32.	2423477	7 Longitude	e -104.1459274		'		<u>, </u>	
				NAT	TURE	OF RELI	EASE					
Type of Relea				~ ``	·	Volume of		Volume	Recovered:			
Oil & Produc							; 5 bbls PW		oil ; 0 bbls PV			
Source of Rel Heater Treate						Date and H 4/12/2016	our of Occurrence		d Hour of Di	scovery	<i>'</i> :	
Was Immedia		iven?				If YES, To		4/12/20	16 11:00 am			
			Yes 🗌	No 🛛 Not R	equired	,	.,					
By Whom?						Date and H	our:	1.48			*	
Was a Watero	course Reac		Yes 🖂	No		If YES, Vo	lume Impacting th	ne Watercourse.			•	
If a Watercou	rse was Im	pacted, Descri	be Fully.*									
Describe Caus		1 D	It at A sat	TT 1 \$								
					vere disn	atched to rece	over fluid and con	duct initial clear	ı-IIn			
	.,				· • · · · · · · · · · · · · · · · · · ·			duot minur cicur	. чр.			
Describe Area	Affected a	nd Cleanun A	ction Take									
Describe Area	i Allected a	ina Cicanap A	CHOII Take	211,								
This release in	npacted the	battery and the	he pasture	outside the berm	ed area.	Concho will l	have the spill site	sampled to delin	eate any poss	sible co	ntamin	ation
from the relea	se and we v	vill present a	remediatio	n work plan to th	ne NMO	CD for approv	val prior to any sig	gnificant remedia	tion work.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and parties for release which were release which report and/or file certain release notifications and parties for release which were release which report and/or file certain release notifications and parties for release which report and/or file certain release notifications and parties for release which report and/or file certain release not fire the release which report and/or file certain release not fire the release and the report and/or file certain release not fire the release and the report and/or file certain release not fire the release and the report and/or file certain release not fire the release and the report and/or file certain release not fire the release not file certain release not fire the release not file certain release not file												
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability												
should their or	or the envir perations ba	onment. The	acceptance dequately i	e of a C-141 repo	ort by the emediate	: NMOCD ma : contaminatio	rked as "Final Re on that pose a thre	port" does not re	lieve the ope	rator of	liabili mon he	ty ealth
or the environ	ment. In ac	ldition, NMO	CD accept	ance of a C-141:	report de	es not relieve	the operator of re	esponsibility for	compliance v	vith any	other	Janu .
federal, state,	or local law	s and/or regu	lations.				-		-			
		,					OIL CONS	ERVATION	<u> DIVISI</u>	<u>)N</u>		
Cinnatana	The wat	thent										
Signature:		·			- A	Approved by I	Environmental Sp	ecialist:				
Printed Name:	Robert G	ubbs Jr.										
Title: Senior E	Environmen	tal Coordinate	or		A	Approval Date	2.	Expiration	Date:			
E-mail Addres	ss: rgrubbs(©concho.com		1810	c	Conditions of	Approval:		Attached			
Data: Annil 24	5 2016	Dia ar-	120 602 5	7442					Attached			
Date: April 26 Attach Additi			432-683-	/443	L	···.						
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