P.O. Box 1708 • Artesia, NM 88211 www.hrlcomp.com

April 26, 2018

Oliva Yu
Oil conservation Division
District I
1625 N French Drive
Hobbs, NM 88240

State Land Office Ryan Mann District Resource Specialist 2827 N Dal Paso Suite 117 Hobbs, NM 88240

SUBJECT: FINAL CLOSURE REPORT FOR INCIDENT 1-RP-4695 Nacho Nacho State #001H

Ms. Yu:

On behalf of COG Operating, LLC, HRL Compliance Solutions, Inc (HRL) is pleased to submit the attached final closure report summarizing the findings and closure actions located on the Macho Nacho State #001H. The purpose of the report is to obtain approval from the New Mexico Oil Conservation Division (NMOCD) for the remediation and closure of the release that occurred on May 9, 2017. Table 1 below, summarizes information regarding the release.

Table 1: Release Information and Site Ranking

Name	Macho Nacho State #001H
Company	COG Operating, LLC
RP Number	1RP-4695
API Number	30-025-39882
Location	32.2384529, -103.6039429
Estimated Date of Release	5/9/2017
Date Reported to NMOCD	5/10/2017
Land Owner	State
Reported to	OCD
Source of Release	Flare
Released Material	Oil and Produced Water
Released Volume	8 bbls oil
Recovered Volume	4 bbls oil
Net Release Volume	4 bbl oil
Nearest Waterway	1.7 miles to Bell Lake
Depth to Groundwater	>100 feet bgs
Nearest Domestic Water Source	< 1 mile
NMOCD Ranking	0
Response Date	3/29/2018



1.0 Background

On May 8, 2017, during maintenance activities the well and compressor were shut in and the heater treater was isolated. When the compressor came back online on May 9, 2017, the casing and choke were not shut in and it resulted in fluid being sent to the flare. The fluid from the release oversprayed a portion of the location as well as the adjacent pasture. A vacuum truck was dispatched to remove any standing fluids from within the bermed area around the flare. A crew was dispatched to perform an initial scrape of the area on location and to spray microblaze on the impacted soil and vegetation in the pasture. A work plan was submitted to the OCD and accepted by the OCD on February 20, 2018.

2.0 Site Ranking and Land Jurisdiction

The release site is located approximately 25.5 miles northwest of Jal, with an elevation of approximately 36361 feet above sea level. A search of the New Mexico State Engineer's Office (NMOSE) online water well database for groundwater wells in the vicinity of the release identified no groundwater wells located within a three-mile radius of the site. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs).

Recommended Remediation Action Levels (RRALs) are determined by the site ranking according to the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (1993). Table 2 presents the remediation standards and the site ranking for this location. Justification for this site ranking is found in Appendix B.

Table 2: Remediation Standards

Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
ТРН	5000 PPM	1000 PPM	100 PPM

Depth to Groundwater	NMOCD Numeric Rank
< 50 BGS = 20	
50' to 99' = 10	
>100' = 0	0
Distance to Nearest Surface Water	NMOCD Numeric Rank
< 200' = 20	
200' - 1000' = 10	
>1000' = 0	0
Well Head Protection	NMOCD Numeric Rank
<1000' (or <200' domestic) = 20	
> 1000' = 0	0
Total Site Ranking	0



3.0 Assessment

On March 29, 2018, after receiving 811 clearance, HRL field personnel supervised the excavation of the area according to the work plan. All samples were collected and analyzed at a Nationally Environmental Laboratory Accreditation Program (NELAP) laboratory and in accordance with NMOCD soil sampling procedures. The samples were submitted to Hall Environmental Laboratories for analyses including chlorides by Method 300.0, volatile organics (BTEX) by Method 8021B, and MRO, DRO, and GRO by EPA Method 8015M. Sample locations and excavations are depicted in Figure 1. A supplemental request dated 2/22/2018 by COD requested the following additions to the work plan:

Request	Response
For the area represented by T1, confirmation	Confirmation samples were taken from the west
samples of the 4 sidewalls and bottoms of the	side wall, north side wall, east side wall and south
proposed 3 ft. excavation.	side wall. Bottom confirmation samples were
	taken on the west bottom and the east bottom.
For the area represented by T2, confirmation	T2 samples along the T2 area as depicted no more
samples at the edges of the proposed 6 inch	than 50' apart.
excavation, at the borders with T1 and T3/T5	
areas, and at the bottom of the 6" removal.	
Sample locations must be <= 50 ft. apart.	
If permissible levels for TPH and BTEX are	N/A
exceeded in the bottom samples, proceed to	
excavate to the next foot.	
A scaled map with the confirmation sample	See Figure 1.
locations marked and depth of excavation	
annotated.	

4.0 Conclusion

The analytical results for this site are at or below the action levels for constituents of concern. A summary of laboratory analytical results in included in Table 3. Laboratory analytic repots are included in Appendix B. The area has been back filled with appropriate material from a licensed caliche and sand pit. No further remedial activities are recommended.

5.0 Revegetation Plan

The surface will be left in a rough condition to approximate natural surface deviations. The site will be mechanically seeded with an appropriate seed mixture. The site will be periodically monitored for revegetation and the development of noxious weeds. Should the site fail to re-vegetate or noxious weeds develop COG will contact NMSLO for mitigation strategy.



6.0 Scope and Limitations

The scope of our services consisted of the performance of a spill assessment and delineation, verification of release stabilization, regulatory liaison, sampling for closure, and preparation of this Final Closure Report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Jennifer Knowlton at 505-238-3588.

Submitted by: HRL Compliance Solutions, Inc

Jennifer Knowlton Regional Manager - Permian

Attachments:

Figure 1: Site and Sample Location Map

Table 3: Summary of Sample Results

Appendix A: Form C141 Appendix B: Site Photos

Appendix C: Laboratory Analytical Reports



Figure 1:

Site and Sample Location Map

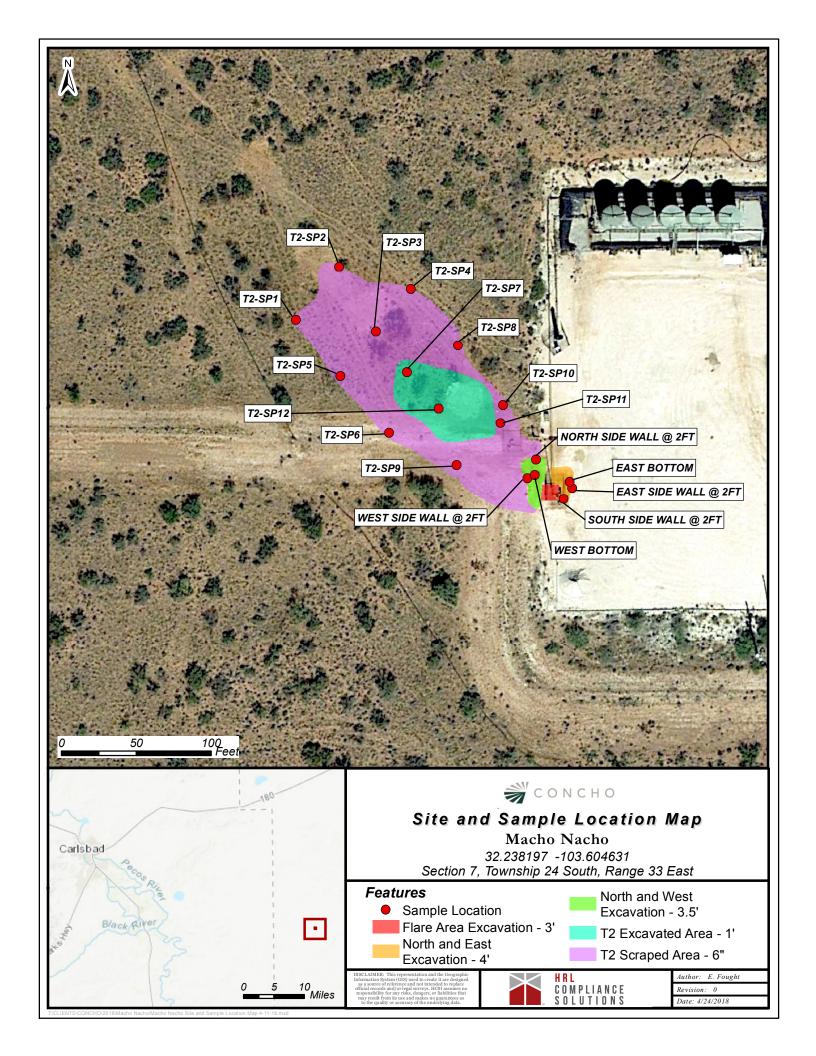




Table 3: Analytical Results Summary

				8021B					8015M			300.0
SAMPLE LOCATION	SAMPLE DEPTH (bgs)	DEPTH SAMPLE SO		BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYLBENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	Total TPH (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD - Gu		Remediation (Releases	of Leaks, Spills	10	NE	NE	NE	50	NE	NE	5,000	600
					Vertica	l Delination Samplin	g					
T2-SP1	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND
T2-SP2	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	280	550	ND
T2-SP3	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	920	1640	ND
T2-SP4	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	13	76	ND
T2-SP5	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	260	550	ND
T2-SP6	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	36	120	ND
T2-SP7	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	1800	3100	ND
T2-SP8	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	300	900	ND
T2-SP9	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	1900	3400	ND
T2-SP10	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	1400	3200	ND



						8021B			8015M			300.0
SAMPLE LOCATION	SAMPLE DEPTH (bgs)	EPTH SAMPLE SOI		BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYLBENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	Total TPH (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD - Guidelines for Remediation of Leaks, Spills and Releases			10	NE	NE	NE	50	NE	NE	5,000	600	
					Vertica	Delination Samplin	ıg					
T2-SP11	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	95	184	ND
T2-SP12	Surface	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	130	290	ND
East Side Wall	2'	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Side Wall	2'	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Bottom	4'	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	73
East Bottom	4.5'	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	220	340	ND
North Side Wall	2'	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	ND
South Wall	2'	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND	30
East Bottom	4.5'	3/29/2018	In-Situ	ND	ND	ND	ND	ND	ND	220	340	ND



Appendix A: Form C141 Final

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 <u>District III</u> 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

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

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

Form C-141

Revised April 3, 2017

						, 1 1111 0 7 0	•						
			Rele	ease Notific	catior	and Co	orrective A	ction					
						OPERA	ГOR		Initia	l Report	\boxtimes	Final Report	
Name of Co	mpany: Co	OG Operatin	ig, LLC			Contact: Ro	bert McNeill						
Address: 60	0 West Illi	nois Avenue	e, Midlan	d TX 79701		Telephone No. 432-683-7443							
Facility Nar	ne: Macho	Nacho State	e #001H			Facility Type: Tank Battery							
Surface Ow	ner: State			Mineral C	Owner S	tate			API No. 30-025-39882				
				IOC	TION	N OF REI	FACE	•					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	the East/West Line County					
A	07	24S	33E	380		north 330 East						ıy	
			L	atitude32.2384	1529 L o	ngitude-10	3.639429 NAD	83					
						OF RELI							
Type of Rele	ase:			1411	CKL	Volume of		V	olume R	ecovered:			
C CD		Oil				D : 11	8 bbls		. 17	4 b			
Source of Re	lease:	Flare	e.				Iour of Occurrence 9, 2017 12:00 pm			Hour of Dis May 9, 201		pm	
Was Immedia	ate Notice C					If YES, To		-			. 12.00	P	
			Yes 🖂	No Not R	equired								
By Whom?						Date and H							
Was a Water	course Reac	hed?	Yes 🛚] No		If YES, Vo	olume Impacting the	he Waterco	ourse.				
If a Watercou	ırse was Im	pacted. Descri	ibe Fullv.*	ķ									
	,	,	,										
Describe Cau	se of Proble	em and Remed	dial Action	n Taken.*									
				out in and the hear luid out the top o			d for maintenance	activities.	The casin	ng and cho	ke were	not shut in	
and the comp	ressor came	e back on fine	and sent i	iuid out the top o	i uie mai								
Describe Are	a Affected a	and Cleanup A	Action Tak	ten.*									
The release u	as on locat	ion and withir	the adjac	ent pasture A v	acııım tr	uck was disp	atched to remove	all fraactan	dina flui	ds Conch	a deline	pated the cite	
							work plan. The a						
action levels				r ,			r						
71 1	6 1 11 1	С	1		1	1		1 . 1.	1 .		OCD	1 1	
							knowledge and un nd perform correc						
							arked as "Final Re						
should their o	perations h	ave failed to a	dequately	investigate and r	emediate	e contaminati	on that pose a thre	eat to grou	nd water,	surface wa	ater, hu	man health	
				tance of a C-141	report d	oes not reliev	e the operator of r	responsibil	ity for co	mpliance v	vith any	other	
federal, state,	or local lav	vs and/or regu	ılatıons.				OIL COM	CEDVA	TION	DIVICIO) N T		
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Signature:	Shold	on Alita	-										
Signature: C	710000	11 1000				Approved by Environmental Specialist:							
Printed Name	e: Sheldon I	Hitchcock											
Title: HSE C	oordinator					Approval Dat	te:	Exp	oiration E	Date:			
E-mail Addre	ess: slhitche	ock@concho.	com			Conditions of	Approval:			Attached			

Date: 4/26/2018

Phone: 575-746-2010

^{*} Attach Additional Sheets If Necessary



Appendix B: Site Photos

Concho | Macho Nacho State #001H | 4/26/2018



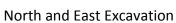




T2 Area

North and West Excavation







Flare area



T2 Area



Appendix B: Laboratory Analytical Reports

Concho | Macho Nacho State #001H | 4/26/2018



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

April 11, 2018

Jennifer Knowlton Concho 600 W Illinoi Ave Midland, TX 79701 TEL: (505) 238-3588

FAX

RE: Macho Nacho 1H OrderNo.: 1804002

Dear Jennifer Knowlton:

Hall Environmental Analysis Laboratory received 18 sample(s) on 3/31/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP1

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-001
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 3:19:26 PM	37490
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	;			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/3/2018 1:15:47 PM	37370
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/3/2018 1:15:47 PM	37370
Surr: DNOP	90.6	70-130	%Rec	1	4/3/2018 1:15:47 PM	37370
EPA METHOD 8015D: GASOLINE RANG	iΕ				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/3/2018 9:45:05 AM	37363
Surr: BFB	95.4	15-316	%Rec	1	4/3/2018 9:45:05 AM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.023	mg/Kg	1	4/3/2018 9:45:05 AM	37363
Toluene	ND	0.047	mg/Kg	1	4/3/2018 9:45:05 AM	37363
Ethylbenzene	ND	0.047	mg/Kg	1	4/3/2018 9:45:05 AM	37363
Xylenes, Total	ND	0.093	mg/Kg	1	4/3/2018 9:45:05 AM	37363
Surr: 4-Bromofluorobenzene	87.0	80-120	%Rec	1	4/3/2018 9:45:05 AM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP2

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-002
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 3:31:51 PM	37490
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	280	9.3	mg/Kg	1	4/3/2018 2:22:02 PM	37370
Motor Oil Range Organics (MRO)	270	46	mg/Kg	1	4/3/2018 2:22:02 PM	37370
Surr: DNOP	100	70-130	%Rec	1	4/3/2018 2:22:02 PM	37370
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: DJF
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/3/2018 10:55:34 AM	37363
Surr: BFB	93.1	15-316	%Rec	1	4/3/2018 10:55:34 AM	37363
EPA METHOD 8021B: VOLATILES					Analyst	: DJF
Benzene	ND	0.023	mg/Kg	1	4/3/2018 10:55:34 AM	37363
Toluene	ND	0.046	mg/Kg	1	4/3/2018 10:55:34 AM	37363
Ethylbenzene	ND	0.046	mg/Kg	1	4/3/2018 10:55:34 AM	37363
Xylenes, Total	ND	0.092	mg/Kg	1	4/3/2018 10:55:34 AM	37363
Surr: 4-Bromofluorobenzene	85.3	80-120	%Rec	1	4/3/2018 10:55:34 AM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP3

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-003
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 3:44:15 PM	37490
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	:: TOM
Diesel Range Organics (DRO)	920	9.4	mg/Kg	1	4/3/2018 3:06:09 PM	37370
Motor Oil Range Organics (MRO)	720	47	mg/Kg	1	4/3/2018 3:06:09 PM	37370
Surr: DNOP	120	70-130	%Rec	1	4/3/2018 3:06:09 PM	37370
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	:: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/3/2018 12:05:58 PM	37363
Surr: BFB	92.6	15-316	%Rec	1	4/3/2018 12:05:58 PM	37363
EPA METHOD 8021B: VOLATILES					Analyst	:: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 12:05:58 PM	37363
Toluene	ND	0.048	mg/Kg	1	4/3/2018 12:05:58 PM	37363
Ethylbenzene	ND	0.048	mg/Kg	1	4/3/2018 12:05:58 PM	37363
Xylenes, Total	ND	0.097	mg/Kg	1	4/3/2018 12:05:58 PM	37363
Surr: 4-Bromofluorobenzene	85.4	80-120	%Rec	1	4/3/2018 12:05:58 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	lysis exceeded J Analyte detected below quantitation limits Pa		
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP4

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-004
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 3:56:40 PM	37490
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	:: ТОМ
Diesel Range Organics (DRO)	13	9.6	mg/Kg	1	4/4/2018 5:14:00 PM	37370
Motor Oil Range Organics (MRO)	63	48	mg/Kg	1	4/4/2018 5:14:00 PM	37370
Surr: DNOP	98.4	70-130	%Rec	1	4/4/2018 5:14:00 PM	37370
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	:: DJF
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/3/2018 12:29:33 PM	37363
Surr: BFB	90.1	15-316	%Rec	1	4/3/2018 12:29:33 PM	37363
EPA METHOD 8021B: VOLATILES					Analyst	:: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 12:29:33 PM	37363
Toluene	ND	0.047	mg/Kg	1	4/3/2018 12:29:33 PM	37363
Ethylbenzene	ND	0.047	mg/Kg	1	4/3/2018 12:29:33 PM	37363
Xylenes, Total	ND	0.095	mg/Kg	1	4/3/2018 12:29:33 PM	37363
Surr: 4-Bromofluorobenzene	83.5	80-120	%Rec	1	4/3/2018 12:29:33 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H Holding times for preparation or analysis exceeded			Analyte detected below quantitation limits Page 4 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP5

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-005
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 4:58:42 PM	37490
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	:: ТОМ
Diesel Range Organics (DRO)	260	10	mg/Kg	1	4/3/2018 3:50:14 PM	37370
Motor Oil Range Organics (MRO)	290	50	mg/Kg	1	4/3/2018 3:50:14 PM	37370
Surr: DNOP	99.9	70-130	%Rec	1	4/3/2018 3:50:14 PM	37370
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	:: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/3/2018 12:53:04 PM	37363
Surr: BFB	91.6	15-316	%Rec	1	4/3/2018 12:53:04 PM	37363
EPA METHOD 8021B: VOLATILES					Analyst	:: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 12:53:04 PM	37363
Toluene	ND	0.048	mg/Kg	1	4/3/2018 12:53:04 PM	37363
Ethylbenzene	ND	0.048	mg/Kg	1	4/3/2018 12:53:04 PM	37363
Xylenes, Total	ND	0.096	mg/Kg	1	4/3/2018 12:53:04 PM	37363
Surr: 4-Bromofluorobenzene	84.1	80-120	%Rec	1	4/3/2018 12:53:04 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits Pa		
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/11/2018

CLIENT: Concho Client Sample ID: T2-SP6

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-006
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 5:11:07 PM	37490
EPA METHOD 8015M/D: DIESEL RAN				Analys	t: TOM	
Diesel Range Organics (DRO)	36	9.7	mg/Kg	1	4/4/2018 5:36:07 PM	37370
Motor Oil Range Organics (MRO)	84	48	mg/Kg	1	4/4/2018 5:36:07 PM	37370
Surr: DNOP	91.7	70-130	%Rec	1	4/4/2018 5:36:07 PM	37370
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/3/2018 1:16:35 PM	37363
Surr: BFB	92.1	15-316	%Rec	1	4/3/2018 1:16:35 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 1:16:35 PM	37363
Toluene	ND	0.048	mg/Kg	1	4/3/2018 1:16:35 PM	37363
Ethylbenzene	ND	0.048	mg/Kg	1	4/3/2018 1:16:35 PM	37363
Xylenes, Total	ND	0.096	mg/Kg	1	4/3/2018 1:16:35 PM	37363
Surr: 4-Bromofluorobenzene	85.1	80-120	%Rec	1	4/3/2018 1:16:35 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits Pa		
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP7

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-007
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 5:23:31 PM	37490
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	:: TOM
Diesel Range Organics (DRO)	1800	91	mg/Kg	10	4/3/2018 5:18:14 PM	37370
Motor Oil Range Organics (MRO)	1300	460	mg/Kg	10	4/3/2018 5:18:14 PM	37370
Surr: DNOP	0	70-130	S %Rec	10	4/3/2018 5:18:14 PM	37370
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: DJF
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/3/2018 1:40:06 PM	37363
Surr: BFB	91.4	15-316	%Rec	1	4/3/2018 1:40:06 PM	37363
EPA METHOD 8021B: VOLATILES					Analyst	:: DJF
Benzene	ND	0.023	mg/Kg	1	4/3/2018 1:40:06 PM	37363
Toluene	ND	0.047	mg/Kg	1	4/3/2018 1:40:06 PM	37363
Ethylbenzene	ND	0.047	mg/Kg	1	4/3/2018 1:40:06 PM	37363
Xylenes, Total	ND	0.094	mg/Kg	1	4/3/2018 1:40:06 PM	37363
Surr: 4-Bromofluorobenzene	84.9	80-120	%Rec	1	4/3/2018 1:40:06 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	eeded J Analyte detected below quantitation limits Pa	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP8

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-008
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 5:35:55 PM	37490
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	300	94	mg/Kg	10	4/3/2018 5:40:23 PM	37370
Motor Oil Range Organics (MRO)	600	470	mg/Kg	10	4/3/2018 5:40:23 PM	37370
Surr: DNOP	0	70-130	S %Rec	10	4/3/2018 5:40:23 PM	37370
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/3/2018 2:03:20 PM	37363
Surr: BFB	93.4	15-316	%Rec	1	4/3/2018 2:03:20 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.025	mg/Kg	1	4/3/2018 2:03:20 PM	37363
Toluene	ND	0.050	mg/Kg	1	4/3/2018 2:03:20 PM	37363
Ethylbenzene	ND	0.050	mg/Kg	1	4/3/2018 2:03:20 PM	37363
Xylenes, Total	ND	0.10	mg/Kg	1	4/3/2018 2:03:20 PM	37363
Surr: 4-Bromofluorobenzene	85.6	80-120	%Rec	1	4/3/2018 2:03:20 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 8 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/11/2018

CLIENT: Concho Client Sample ID: T2-SP9

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-009
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 5:48:19 PM	37490
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	1900	93	mg/Kg	10	4/3/2018 6:02:32 PM	37370
Motor Oil Range Organics (MRO)	1500	470	mg/Kg	10	4/3/2018 6:02:32 PM	37370
Surr: DNOP	0	70-130	S %Rec	10	4/3/2018 6:02:32 PM	37370
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: DJF
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/3/2018 2:26:40 PM	37363
Surr: BFB	96.0	15-316	%Rec	1	4/3/2018 2:26:40 PM	37363
EPA METHOD 8021B: VOLATILES					Analyst	: DJF
Benzene	ND	0.023	mg/Kg	1	4/3/2018 2:26:40 PM	37363
Toluene	ND	0.046	mg/Kg	1	4/3/2018 2:26:40 PM	37363
Ethylbenzene	ND	0.046	mg/Kg	1	4/3/2018 2:26:40 PM	37363
Xylenes, Total	ND	0.092	mg/Kg	1	4/3/2018 2:26:40 PM	37363
Surr: 4-Bromofluorobenzene	89.1	80-120	%Rec	1	4/3/2018 2:26:40 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 9 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP10

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 3:10:00 PM

 Lab ID:
 1804002-010
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 6:00:44 PM	37490
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	1400	98	mg/Kg	10	4/3/2018 6:24:48 PM	37370
Motor Oil Range Organics (MRO)	1800	490	mg/Kg	10	4/3/2018 6:24:48 PM	37370
Surr: DNOP	0	70-130	S %Rec	10	4/3/2018 6:24:48 PM	37370
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/3/2018 2:50:06 PM	37363
Surr: BFB	90.6	15-316	%Rec	1	4/3/2018 2:50:06 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.025	mg/Kg	1	4/3/2018 2:50:06 PM	37363
Toluene	ND	0.049	mg/Kg	1	4/3/2018 2:50:06 PM	37363
Ethylbenzene	ND	0.049	mg/Kg	1	4/3/2018 2:50:06 PM	37363
Xylenes, Total	ND	0.098	mg/Kg	1	4/3/2018 2:50:06 PM	37363
Surr: 4-Bromofluorobenzene	85.0	80-120	%Rec	1	4/3/2018 2:50:06 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits		
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: T2-SP11

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 4:10:00 PM

 Lab ID:
 1804002-011
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 6:37:57 PM	37502
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	95	10	mg/Kg	1	4/3/2018 6:47:01 PM	37370
Motor Oil Range Organics (MRO)	89	51	mg/Kg	1	4/3/2018 6:47:01 PM	37370
Surr: DNOP	101	70-130	%Rec	1	4/3/2018 6:47:01 PM	37370
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/3/2018 4:46:39 PM	37363
Surr: BFB	91.5	15-316	%Rec	1	4/3/2018 4:46:39 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 4:46:39 PM	37363
Toluene	ND	0.048	mg/Kg	1	4/3/2018 4:46:39 PM	37363
Ethylbenzene	ND	0.048	mg/Kg	1	4/3/2018 4:46:39 PM	37363
Xylenes, Total	ND	0.097	mg/Kg	1	4/3/2018 4:46:39 PM	37363
Surr: 4-Bromofluorobenzene	84.7	80-120	%Rec	1	4/3/2018 4:46:39 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 11 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/11/2018

CLIENT: Concho Client Sample ID: T2-SP12

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 4:10:00 PM

 Lab ID:
 1804002-012
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 6:50:21 PM	37502
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	130	9.3	mg/Kg	1	4/3/2018 7:09:13 PM	37370
Motor Oil Range Organics (MRO)	160	46	mg/Kg	1	4/3/2018 7:09:13 PM	37370
Surr: DNOP	106	70-130	%Rec	1	4/3/2018 7:09:13 PM	37370
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/3/2018 5:09:54 PM	37363
Surr: BFB	91.8	15-316	%Rec	1	4/3/2018 5:09:54 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 5:09:54 PM	37363
Toluene	ND	0.048	mg/Kg	1	4/3/2018 5:09:54 PM	37363
Ethylbenzene	ND	0.048	mg/Kg	1	4/3/2018 5:09:54 PM	37363
Xylenes, Total	ND	0.096	mg/Kg	1	4/3/2018 5:09:54 PM	37363
Surr: 4-Bromofluorobenzene	85.5	80-120	%Rec	1	4/3/2018 5:09:54 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 12 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: East Side Wall@ 2ft

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 11:50:00 AM

 Lab ID:
 1804002-013
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 7:27:34 PM	37502
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	;			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	4/3/2018 7:31:26 PM	37370
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	4/3/2018 7:31:26 PM	37370
Surr: DNOP	97.8	70-130	%Rec	1	4/3/2018 7:31:26 PM	37370
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/3/2018 5:33:08 PM	37363
Surr: BFB	92.6	15-316	%Rec	1	4/3/2018 5:33:08 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.023	mg/Kg	1	4/3/2018 5:33:08 PM	37363
Toluene	ND	0.046	mg/Kg	1	4/3/2018 5:33:08 PM	37363
Ethylbenzene	ND	0.046	mg/Kg	1	4/3/2018 5:33:08 PM	37363
Xylenes, Total	ND	0.092	mg/Kg	1	4/3/2018 5:33:08 PM	37363
Surr: 4-Bromofluorobenzene	86.0	80-120	%Rec	1	4/3/2018 5:33:08 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	Analyte detected below quantitation limits Page 13 of 22	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/11/2018

CLIENT: Concho

Client Sample ID: West Side Wall@ 2ft

Project: Macho Nacho 1H

Collection Date: 3/29/2018 1:05:00 PM

Lab ID: 1804002-014 **Matrix:** SOIL **Received Date:** 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 8:04:48 PM	37502
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	;			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	4/3/2018 7:53:45 PM	37370
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/3/2018 7:53:45 PM	37370
Surr: DNOP	93.4	70-130	%Rec	1	4/3/2018 7:53:45 PM	37370
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/3/2018 5:56:24 PM	37363
Surr: BFB	93.7	15-316	%Rec	1	4/3/2018 5:56:24 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 5:56:24 PM	37363
Toluene	ND	0.048	mg/Kg	1	4/3/2018 5:56:24 PM	37363
Ethylbenzene	ND	0.048	mg/Kg	1	4/3/2018 5:56:24 PM	37363
Xylenes, Total	ND	0.097	mg/Kg	1	4/3/2018 5:56:24 PM	37363
Surr: 4-Bromofluorobenzene	86.8	80-120	%Rec	1	4/3/2018 5:56:24 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limit Page		
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/11/2018

CLIENT: Concho Client Sample ID: West bottom

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 1:05:00 PM

 Lab ID:
 1804002-015
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	73	30	mg/Kg	20	4/9/2018 8:17:13 PM	37502
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/3/2018 8:15:55 PM	37370
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/3/2018 8:15:55 PM	37370
Surr: DNOP	94.8	70-130	%Rec	1	4/3/2018 8:15:55 PM	37370
EPA METHOD 8015D: GASOLINE RAM	NGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/3/2018 6:19:40 PM	37363
Surr: BFB	90.3	15-316	%Rec	1	4/3/2018 6:19:40 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 6:19:40 PM	37363
Toluene	ND	0.048	mg/Kg	1	4/3/2018 6:19:40 PM	37363
Ethylbenzene	ND	0.048	mg/Kg	1	4/3/2018 6:19:40 PM	37363
Xylenes, Total	ND	0.095	mg/Kg	1	4/3/2018 6:19:40 PM	37363
Surr: 4-Bromofluorobenzene	85.5	80-120	%Rec	1	4/3/2018 6:19:40 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 15 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Concho Client Sample ID: East bottom

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 11:50:00 AM

 Lab ID:
 1804002-016
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 8:29:37 PM	37502
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analys	t: TOM
Diesel Range Organics (DRO)	220	9.5	mg/Kg	1	4/3/2018 8:38:03 PM	37370
Motor Oil Range Organics (MRO)	120	48	mg/Kg	1	4/3/2018 8:38:03 PM	37370
Surr: DNOP	99.5	70-130	%Rec	1	4/3/2018 8:38:03 PM	37370
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/3/2018 6:42:51 PM	37363
Surr: BFB	97.7	15-316	%Rec	1	4/3/2018 6:42:51 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.024	mg/Kg	1	4/3/2018 6:42:51 PM	37363
Toluene	ND	0.047	mg/Kg	1	4/3/2018 6:42:51 PM	37363
Ethylbenzene	ND	0.047	mg/Kg	1	4/3/2018 6:42:51 PM	37363
Xylenes, Total	ND	0.094	mg/Kg	1	4/3/2018 6:42:51 PM	37363
Surr: 4-Bromofluorobenzene	84.4	80-120	%Rec	1	4/3/2018 6:42:51 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit Page 16 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Date Reported: 4/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT:ConchoClient Sample ID: North Side Wall@ 2ftProject:Macho Nacho 1HCollection Date: 3/29/2018 1:05:00 PM

Lab ID: 1804002-017 **Matrix:** SOIL **Received Date:** 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 8:42:02 PM	37502
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	;			Analys	t: TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/3/2018 9:00:11 PM	37370
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/3/2018 9:00:11 PM	37370
Surr: DNOP	98.8	70-130	%Rec	1	4/3/2018 9:00:11 PM	37370
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/3/2018 7:06:04 PM	37363
Surr: BFB	93.2	15-316	%Rec	1	4/3/2018 7:06:04 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.025	mg/Kg	1	4/3/2018 7:06:04 PM	37363
Toluene	ND	0.049	mg/Kg	1	4/3/2018 7:06:04 PM	37363
Ethylbenzene	ND	0.049	mg/Kg	1	4/3/2018 7:06:04 PM	37363
Xylenes, Total	ND	0.098	mg/Kg	1	4/3/2018 7:06:04 PM	37363
Surr: 4-Bromofluorobenzene	85.9	80-120	%Rec	1	4/3/2018 7:06:04 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 17 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc. Date Reported: 4/11/2018

CLIENT: Concho Client Sample ID: South Wall@ 2ft

 Project:
 Macho Nacho 1H
 Collection Date: 3/29/2018 1:30:00 PM

 Lab ID:
 1804002-018
 Matrix: SOIL
 Received Date: 3/31/2018 10:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 8:54:26 PM	37502
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	;			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/3/2018 9:22:23 PM	37370
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/3/2018 9:22:23 PM	37370
Surr: DNOP	98.9	70-130	%Rec	1	4/3/2018 9:22:23 PM	37370
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/3/2018 7:29:18 PM	37363
Surr: BFB	95.3	15-316	%Rec	1	4/3/2018 7:29:18 PM	37363
EPA METHOD 8021B: VOLATILES					Analys	t: DJF
Benzene	ND	0.025	mg/Kg	1	4/3/2018 7:29:18 PM	37363
Toluene	ND	0.049	mg/Kg	1	4/3/2018 7:29:18 PM	37363
Ethylbenzene	ND	0.049	mg/Kg	1	4/3/2018 7:29:18 PM	37363
Xylenes, Total	ND	0.098	mg/Kg	1	4/3/2018 7:29:18 PM	37363
Surr: 4-Bromofluorobenzene	88.8	80-120	%Rec	1	4/3/2018 7:29:18 PM	37363

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 18 of 22
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804002

11-Apr-18

Client: Concho

Project: Macho Nacho 1H

Sample ID MB-37490 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: 37490 RunNo: 50408

Prep Date: 4/9/2018 Analysis Date: 4/9/2018 SeqNo: 1634764 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Chloride ND 1.5

Sample ID LCS-37490 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 37490 RunNo: 50408

Prep Date: 4/9/2018 Analysis Date: 4/9/2018 SeqNo: 1634765 Units: mg/Kg

SPK value SPK Ref Val %REC **RPDLimit** Analyte Result PQL LowLimit HighLimit %RPD Qual

Chloride 14 1.5 15.00 0 92.0 110

Sample ID MB-37502 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: 37502 RunNo: 50408

Prep Date: Analysis Date: 4/9/2018 SeqNo: 1634794 Units: mg/Kg 4/9/2018

Result SPK value SPK Ref Val %REC LowLimit Analyte **PQL** HighLimit %RPD **RPDLimit** Qual

Chloride ND

Sample ID LCS-37502 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: Batch ID: 37502 RunNo: 50408 **LCSS**

Prep Date: 4/9/2018 Analysis Date: 4/9/2018 SeqNo: 1634795 Units: mg/Kg

Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Chloride 14 1.5 15.00 0 94.0 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RLReporting Detection Limit

Sample container temperature is out of limit as specified

Page 19 of 22

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804002

11-Apr-18

Client: Concho

Project: Macho Nacho 1H

Sample ID LCS-37370 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 37370 RunNo: 50268

Prep Date: 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1628675 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 47 10 O 94.1 50.00 70 130 Surr: DNOP 3.8 5.000 75.7 70 130

Sample ID MB-37370 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 37370 RunNo: 50268

Analysis Date: 4/3/2018 Prep Date: 4/2/2018 SeqNo: 1628676 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) ND 10 ND 50 Motor Oil Range Organics (MRO)

Surr: DNOP 8.7 10.00 87.0 70 130

Sample ID 1804002-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: T2-SP1 Batch ID: 37370 RunNo: 50268

Prep Date: 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1628777 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) 55 9.6 47.89 7.683 98.7 55.8 125 Surr: DNOP 3.8 4.789 79.2 70 130

TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID 1804002-001AMSD SampType: MSD

Client ID: T2-SP1 Batch ID: 37370 RunNo: 50268

Prep Date: 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1628778 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual Diesel Range Organics (DRO) 53 9.6 48.17 7.683 95.0 55.8 125 2.83 20 Surr: DNOP 3.8 4.817 79.2 70 130 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range RLReporting Detection Limit

Sample container temperature is out of limit as specified

Page 20 of 22

Hall Environmental Analysis Laboratory, Inc.

WO#: 1804002

11-Apr-18

Client: Concho

Project: Macho Nacho 1H

Sample ID MB-37363 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: 37363 RunNo: 50299

Prep Date: 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1629941 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) ND 5.0

1000 Surr: BFB 940 94.4 15 316

Sample ID LCS-37363 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 37363 RunNo: 50299

Analysis Date: 4/3/2018 Prep Date: 4/2/2018 SeqNo: 1629942 Units: mg/Kg

HighLimit Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) 5.0 25.00 113 75.9 131 Surr: BFB 1000 1000 101 15 316

Sample ID 1804002-002AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: T2-SP2 Batch ID: 37363 RunNo: 50299

Prep Date: 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1629945 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual 29 23.58 123 77.8 128

Gasoline Range Organics (GRO) Surr: BFB 990 105 316 943.4 15

SampType: MSD Sample ID 1804002-002AMSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: T2-SP2 Batch ID: 37363 RunNo: 50299

Analysis Date: 4/3/2018 Prep Date: 4/2/2018 SeqNo: 1629946 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 4.8 23.88 119 77.8 128 1.97 20 Λ Surr: BFB 1100 955.1 110 15 316 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RLReporting Detection Limit

Sample container temperature is out of limit as specified

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Hall Environmental Analysis Laboratory, Inc.

0.87

0.86

WO#: **1804002**

11-Apr-18

Client: Concho

Surr: 4-Bromofluorobenzene

Surr: 4-Bromofluorobenzene

Project: Macho Nacho 1H

Sample ID MB-37363 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: **PBS** Batch ID: 37363 RunNo: 50299 Prep Date: 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1629914 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

86.7

80

120

1.000

0.9794

Sample ID LCS-37363 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: **LCSS** Batch ID: 37363 RunNo: 50299 Prep Date: 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1629915 Units: mg/Kg **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 1.0 0.025 1.000 O 102 77.3 128 Benzene Toluene 1.0 0.050 1.000 0 99.5 79.2 125 Ethylbenzene 0.98 0.050 0 97.9 80.7 1.000 127 Xylenes, Total 3.0 0.10 3.000 0 100 81.6 129 Surr: 4-Bromofluorobenzene 0.90 1.000 89.8 80 120

Sample ID 1804002-001AMS SampType: MS TestCode: EPA Method 8021B: Volatiles Client ID: T2-SP1 Batch ID: 37363 RunNo: 50299 4/2/2018 Analysis Date: 4/3/2018 SeqNo: 1629917 Prep Date: Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Benzene 0.99 0.024 0.9794 102 68.5 133 Λ Toluene 0.049 0.9794 0 102 75 130 1.0 128 0.049 0.9794 0 101 79.4 Ethylbenzene 0.99 Xylenes, Total 3.0 0.098 2.938 0 103 77.3 131

Sample ID 1804002-001AMSD SampType: MSD TestCode: EPA Method 8021B: Volatiles T2-SP1 Client ID: Batch ID: 37363 RunNo: 50299 Prep Date: Analysis Date: 4/3/2018 SeqNo: 1629920 4/2/2018 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual 0.97 0.024 0.9699 0 99.9 68.5 133 2.57 20 Benzene Toluene 0.97 0.048 0.9699 0 99.7 75 130 2.99 20 Ethylbenzene 0.96 0.048 0.9699 0 99.4 79.4 128 2 48 20 Xylenes, Total 3.0 0.097 2.910 0 101 77.3 131 2.38 20 Surr: 4-Bromofluorobenzene 0.85 0.9699 87.4 80 120 0 0

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

87.7

80

120

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

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

Sample Log-In Check List

CONCHO MIDLAND Work Order Number: 1804002 RcptNo: 1 Client Name: Received By: Isaiah Ortiz 3/31/2018 10:45:00 AM Completed By: Isaiah Ortiz 4/2/2018 7:39:18 AM Reviewed By: 512e 04/02/18 Chain of Custody No 🗌 Not Present Yes 🗹 1. Is Chain of Custody complete? 2. How was the sample delivered? Courier Log In Yes 🗸 No 🗌 NA 🗌 3. Was an attempt made to cool the samples? No 🗌 Yes 🗸 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗆 Yes 🗸 5. Sample(s) in proper container(s)? No 🗌 Yes 🗹 6. Sufficient sample volume for indicated test(s)? V No 🗀 7. Are samples (except VOA and ONG) properly preserved? No 🔽 NA 🔲 Yes 🗌 8. Was preservative added to bottles? No 🔲 Yes No VOA Vials 🗹 9. VOA vials have zero headspace? Yes No 🗹 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes 🗹 12. Are matrices correctly identified on Chain of Custody? ~ No 🗆 13. Is it clear what analyses were requested? Checked by: Yes 🗹 No 🗌 14. Were all holding times able to be met? (If no, notify customer for authorization.) ENM 4/2/18 Special Handling (if applicable) NA 🔽 Yes 15. Was client notified of all discrepancies with this order? No 🗆 Person Notified: Date: By Whom: Via: Phone Fax In Person eMail Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact | Seal No Seal Date Signed By 3.6 Good Yes

Chain-oi-custouy Record	record						Ī		į							
Client: LOG (Couche)		Standard	□ Rush				. <	ZAZ	Υ .	IS	4	B0:	8	ANALYSIS LABORATORY	Z X	
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