<u>District I</u> 625 N. French I <u>District II</u> 11 S. First St., <i>i</i> <u>District III</u> 000 Rio Brazos <u>District IV</u> 220 S. St. Fran	Dr., Hobbs, I Artesia, NM s Road, Aztec cis Dr., Santa	NM 88240 88210 c, NM 87410 a Fe, NM 87505	5	St Energy Mi Oil ( 1220 St	ate of inerals Conse ) Sout anta F	New Mex and Natura rvation Div h St. Franc Pe, NM 875	ico l Resources vision is Dr.	NM JUN 2 Subn	0 C D 2 1 2011 nit 1 Copy C T 1 <sup>26</sup>	to appropr	F Revised iate Distr vith 19.1:	form C-141 April 3, 2017 ict Office in 5.29 NMAC.
			R	elease Notifi	catio	n and Co	orrective A	ction				
						<b>OPERA</b>	ГOR		Initia	al Report	$\boxtimes$	Final Repo
Name of Co	mpany Hi	lcorp Energy	Com	bany		Contact Cla	ra Cardoza	122				
Facility Nar	ne Reid B	6				Facility Typ	vo. 303-364-07 ve Well	33				
Surface Ow	ner Federa	al		Mineral	Owner	Federal			API No	. 30-045-2	25690	
				LOC	ATIO	NOFDE	FASE					
Unit Letter J	Section 31	Township 29N	Rang 10W	e Feet from the 2262	North	h/South Line	Feet from the 1901	East/W East	Vest Line	County San Juan		
			Lat	tude 36.68139	1	Longitude -	07.92257	NAD83	3	1		
			2	NAT	LIBE L	OF REL	EASE					
Type of Rele	ase Hydroc	arbon/paraffir	1	INA.	UNI	Volume of	Release 3 bbl		Volume I	Recovered	none	
Source of Re	lease Rupti	are disc				Date and H Unknown	Hour of Occurren	ice	Date and 2/2/2017	Hour of Di 09:00	scovery	
Was Immedia	ate Notice (	Given?	Vac			If YES, To	Whom?	homos				
By Whom? I	isa Hunter		res		cequirec	Date and H	Hour n/a	nomas				
						2/2/2017 1	1:00 (Cory Smith	h) & 11:3	0 (Whitne	y Thomas)		
Was a Water	course Rea	ched?	Yes	🛛 No		If YES, V	olume Impacting	the Wate	crcourse.			
Describe Cau Malfunction immediately Describe Are There is a na Vacuum truc where water attached to th BTEX levels	use of Probl of rupture of to begin red a Affected tural depres ks were cal collected (a his report. In is in the wate	lem and Reme disc on the low covering fluid and Cleanup ssion on the no lled in to remo and consequer n situ surface er collection a	dial Action from the Action porthern we the thy rem treatment	tion Taken.* f a separator caused the location. Taken.* edge of the pad that water which was im oved) and also in the nt for the area from e N/D.	had co pacted. the area to the sep	ease of approx llected rain an Impacted soil between the se arator to the co	imately 3 bbls of d snow melt whice was also remove parator and comp ompressor were i	ch the hydrocar ch the hydrocar cd from th pressor pe implemen	bon/parafi drocarbons le location r NMOCE ted to redu	fin. Trucks s reached du . A sample Ds request. ' ice the tph	were cal uring the was take The lab r levels. T	event. n in the area esults are PH and
I hereby certi regulations a public health should their c or the environ federal, state	Ify that the ll operators or the envi operations l nment. In a , or local la	antormation g are required to ironment. The have failed to addition, NMC ws and/or reg	iven ab to report accept adequa DCD ac ulation	t and/or file certain ance of a C-141 rep ely investigate and ceptance of a C-141	plete to release oort by t remedia I report	the best of my notifications a he NMOCD n ate contaminat does not reliev	whowledge and and perform corre- narked as "Final l ion that pose a th we the operator of	understan ective acti Report" do reat to gro f responsi	nd that pur ions for rel oes not rel ound wate bility for c	suant to NM leases which ieve the op r, surface w compliance	AOCD ru h may er erator of vater, hu with any	iles and danger liability nan health other
Signature:	la	A.Co	nd	-			OIL CON	ISERV	ATION	DIVISI	9N	
Printed Name	e: Clara Ca	rdoza	C	/		Approved by	Environmental	Specialist		XV		()
Title: Envire	nmental Sp					Ammanual De	ta: 1/221	18 1	· · ··	6.)		
The: Enviro		ecialist				Approval Da	inc. Gary	0	Expiration	Date.		
E-mail Addre	ess: ccardoz	za@hilcorp.co	m			Conditions o	f Approval:	0	Expiration	Attacha	d Ar	
E-mail Addre Date: 06/1	ess: ccardoz 5/2018	ecialist za@hilcorp.co	m	Phone: 505-564-0	0733 •	Conditions o	f Approval:	ened	Expiration	Attache	d J	

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#### Smith, Cory, EMNRD

From:	Smith, Cory, EMNRD
Sent:	Friday, June 22, 2018 2:16 PM
То:	'Clara Cardoza'
Cc:	Fields, Vanessa, EMNRD
Subject:	RE: [EXTERNAL EMAIL]RE: [EXTERNAL EMAIL]RE: Release notification - Reid B 6
Attachments:	DSC05392.jpg; DSC05391.jpg; DSC05390.jpg; DSC05389.jpg; DSC05388.jpg; DSC05387.jpg; DSC05386.jpg; DSC05385.jpg; DSC05384.jpg; DSC05383.jpg; DSC05396.jpg; DSC05394.jpg; DSC05395.jpg; DSC05393.jpg

Clara,

OCD has received the Final C-141 on 6/21/18 for the Reid B #6 after review the OCD as Approved the final C-141 with the following conditions of Approval:

- HEC will return and remediate the area defined as "Separator" as it is over the closure of 100 mg/kg TPH, 50 mg/kg BTEX and 10 mg/kg Benzene.
- HEC will schedule with OCD final confirmation samples.
- HEC must initiate remediate no later than September 24, 2018 this includes any time for additional work plans if needed.

I have attached the pictures from the sampling event for your reference, most of the spill path was clean it was really the area near the separator under gravel etc that was dirty. If you have any questions please give me a call.

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

From: Clara Cardoza <ccardoza@hilcorp.com>
Sent: Friday, June 15, 2018 11:56 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: RE: [EXTERNAL EMAIL]RE: [EXTERNAL EMAIL]RE: Release notification - Reid B 6

Cory, attached is a copy of the Final C-141 for the Reid B 6 release of Feb 2017. I will put a copy in the mail on Monday but wanted to make sure to get you a copy that I committed to have to you by today. Please let me know if you have any questions or concerns.

Thank you, Clara From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Wednesday, June 13, 2018 1:57 PM
To: Clara Cardoza <<u>ccardoza@hilcorp.com</u>>
Cc: Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>
Subject: [EXTERNAL EMAIL]RE: [EXTERNAL EMAIL]RE: Release notification - Reid B 6

The release impacted a playa/surface water so it was reportable.

COPC collected samples and performed sampling events.

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

From: Clara Cardoza <<u>ccardoza@hilcorp.com</u>>
Sent: Wednesday, June 13, 2018 11:40 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Subject: RE: [EXTERNAL EMAIL]RE: Release notification - Reid B 6

Cory, I was reviewing Lisa's files for this release. Assuming you were talking about the incident from February 2, 2017 that appears to have been a 3 bbl spill. Does this require paper work because Lisa submitted a notice/email to you and Vanessa?

Thank you, Clara

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Thursday, May 31, 2018 2:36 PM
To: Lisa Hunter <<u>hunter@hilcorp.com</u>
; Clara Cardoza <<u>ccardoza@hilcorp.com</u>
; Jennifer Deal <<u>ideal@hilcorp.com</u>
; Christine Brock <<u>cbrock@hilcorp.com</u>
Cc: Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>
Subject: [EXTERNAL EMAIL]RE: Release notification - Reid B 6

Hello All,

OCD has an open Compliance case for the Reid B #6 please complete review/complete your paper work and submit the final C-141 no later than June 30, 2018.

Thank you,

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

From: Hunter, Lisa <<u>Lisa.Hunter@conocophillips.com</u>> Sent: Friday, July 14, 2017 4:26 PM To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>> Subject: FW: Release notification - Reid B 6

Cory –

Attached is the lab report from samples collected at the Reid B 6 on May 19<sup>th</sup>.

As you'll recall COPC returned to the location and removed all hydrocarbon stained spoil on location from the separator to the depressed area on the northern edge of location where stormwater sometimes collects, the result from a 3 bbl hydrocarbon release in February 2017. At that time, COPC also cleaned the stained surface area around the separator and compressor station from this release as well as an accumulation of past years' small leaks and overspray common with this equipment, and new gravel was applied as well.

Per NMOCD's request, COPC collected a 5-point composite sample of the northern edge on May 19<sup>th</sup> to confirm no contamination remained in the depression, and would not be a concern in the future when stormwater collected. The attached lab report confirms no contamination.

The additional sample collected (per NMOCD's request) from the area of the separator and compressor does indicate hydrocarbons present and does exceed the NMOCD guidelines of 100ppm, however, the BTEX levels are non-detect, and continued surface treatment and summer sun and heat should remedy the situation. COPC believes the residual contaminates do not pose a present or foreseeable threat or an environmental risk to water, humans or animals, and no further soil removal required.

Please let me know if you have any questions.

Lisa Hunter

Field Environmental Specialist ConocoPhillips Company 505.258.1607 Lisa.Hunter@cop.com

"Archaeology permits us to see small moments in time to witness events in everyday lives not recorded by history."

From: Hunter, Lisa
Sent: Friday, February 10, 2017 12:01 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>; whitney thomas (<u>l1thomas@blm.gov</u>) <<u>l1thomas@blm.gov</u>>
Cc: Walker, Crystal <<u>Crystal.Walker@conocophillips.com</u>>
Subject: RE: Release notification - Reid B 6

Cory -

As we discussed the spill doesn't appear to have left location after all, and appears to be within the pad's disturbed area on the northern edge. As you know, however, there is a natural depression on this northern edge that collects water from rain and snow melt (stormwater) and contamination did reach this water. Last Thursday and Friday trucks worked at vacuuming the storm water, as well as the water and oil throughout the effected location. Crews also erected a temporary fence around the storm water area to keep animals out until we are satisfied that all concerns have been addressed. Additionally, they built a temporary earthen berm between the location equipment and the storm water area, preventing further contamination from run off during expected precipitation.

I visited the location today, before the predicted rain and snow this weekend. It looked good -- I didn't see any evidence of oil or paraffin in the natural depression. There is some minor surface treatment that will need to be completed between this area and the location equipment. I will follow up after this weekend to see what effects, if any, there are to the area after the expected rain.

Please let me know if you have any questions.

Thanks,

Lisa Hunter

Field Environmental Specialist ConocoPhillips Company 505.258.1607 Lisa.Hunter@cop.com

"Archaeology permits us to see small moments in time to witness events in everyday lives not recorded by history."

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Thursday, February 09, 2017 3:48 PM
To: Hunter, Lisa <<u>Lisa.Hunter@conocophillips.com</u>>; Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>; whitney thomas (<u>l1thomas@blm.gov</u>) <<u>l1thomas@blm.gov</u>>
Cc: Walker, Crystal <<u>Crystal.Walker@conocophillips.com</u>>
Subject: [EXTERNAL]RE: Release notification - Reid B 6

Good Afternoon Lisa,

Do you have an Status update on the Reid B #6?

Thank you,

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us From: Hunter, Lisa [mailto:Lisa.Hunter@conocophillips.com]
Sent: Thursday, February 2, 2017 11:59 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>; Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>; whitney
thomas (<u>l1thomas@blm.gov</u>) <<u>l1thomas@blm.gov</u>>
Cc: Walker, Crystal <<u>Crystal.Walker@conocophillips.com</u>>
Subject: Release notification - Reid B 6

Good Morning,

At 9:00 am on February 2, 2017, a release was discovered on the **Reid B 6, API# 3004525690, UL-J, Sec. 31, T29N, R10W, Lat: 36.68139, Long: -107.92257.** *Malfunction of a rupture disc on the low side of a separator caused the release of approximately 3bbls hydrocarbon/parrfin. Approximately 20 gals (.5bbl) followed a rutted area off location and entered the edge of a surface water of a natural depression approximately 150 feet off location. Trucks were called immediately to begin recovering fluid off location.* Notification was provided to OCD (Cory Smith) and BLM (Whitney Thomas) on February 2<sup>nd</sup> at 11:00 a.m & 11:30 a.m. respectively. Soil sampling and paperwork will be filed as soon as possible.

Please feel free to contact me at any time if you have any questions or concerns.

Thank you,

Pisa Hunter

Field Environmental Specialist ConocoPhillips Company P O Box 4289 Lisa.Hunter@cop.com Cell: 505.258.1607

"Archaeology permits us to see small moments in time to witness events in everyday lives not recorded by history."



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

May 24, 2017

Lisa Hunter Conoco Phillips PO Box 4289 Farmington, NM 87499 TEL: (505) 326-9782 FAX

OrderNo.: 1705B32

RE: Reid B6

Dear Lisa Hunter:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1705B32

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/24/2017

CLIENT: Conoco Phillips		Client Sample ID: Pond										
Project: Reid B6	Collection Date: 5/19/2017 9:20:00 AM											
Lab ID: 1705B32-001	Matrix:	SOIL	Received I	<b>Date:</b> 5/2	20/2017 11:15:00 AM							
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch						
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	6			Analys	t: TOM						
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/23/2017 4:32:26 PM	31890						
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/23/2017 4:32:26 PM	31890						
Surr: DNOP	84.4	70-130	%Rec	1	5/23/2017 4:32:26 PM	31890						
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB						
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/23/2017 11:32:37 AM	1 31878						
Surr: BFB	97.9	54-150	%Rec	1	5/23/2017 11:32:37 AM	1 31878						
EPA METHOD 8021B: VOLATILES					Analys	t: NSB						
Methyl tert-butyl ether (MTBE)	ND	0.099	mg/Kg	1	5/23/2017 11:32:37 AM	1 31878						
Benzene	ND	0.025	mg/Kg	1	5/23/2017 11:32:37 AM	1 31878						
Toluene	ND	0.050	mg/Kg	1	5/23/2017 11:32:37 AM	1 31878						
Ethylbenzene	ND	0.050	mg/Kg	1	5/23/2017 11:32:37 AM	1 31878						
Xylenes, Total	ND	0.099	mg/Kg	1	5/23/2017 11:32:37 AM	1 31878						
Surr: 4-Bromofluorobenzene	115	66.6-132	%Rec	1	5/23/2017 11:32:37 AM	1 31878						

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

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
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 6
	ND Not Detected at the Reporting Limit		Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1705B32 Date Reported: 5/24/2017

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Conoco Phillips

Client Sample ID: Separator Collection Date: 5/19/2017 9:26:00 AM

Project: Reid B6				Collection	n Date: 5/19/2017 9:26:00 AM					
Lab ID: 1705B32-002	Matrix: SOIL			Received Date: 5/20/2017 11:15:00 AM						
Analyses	Result	PQL	Qual	Units	DF Date Analyzed Batch					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst: TOM					
Diesel Range Organics (DRO)	640	100		mg/Kg	10 5/23/2017 5:00:32 PM 31890					
Motor Oil Range Organics (MRO)	540	500		mg/Kg	10 5/23/2017 5:00:32 PM 31890					
Surr: DNOP	0	70-130	S	%Rec	10 5/23/2017 5:00:32 PM 31890					
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB					
Gasoline Range Organics (GRO)	11	4.6		mg/Kg	1 5/23/2017 12:44:06 PM 31878					
Surr: BFB	195	54-150	S	%Rec	1 5/23/2017 12:44:06 PM 31878					
EPA METHOD 8021B: VOLATILES					Analyst: NSB					
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1 5/23/2017 12:44:06 PM 31878					
Benzene	ND	0.023		mg/Kg	1 5/23/2017 12:44:06 PM 31878					
Toluene	ND	0.046		mg/Kg	1 5/23/2017 12:44:06 PM 31878					
Ethylbenzene	ND	0.046		mg/Kg	1 5/23/2017 12:44:06 PM 31878					
Xylenes, Total	ND	0.093		mg/Kg	1 5/23/2017 12:44:06 PM 31878					
Surr: 4-Bromofluorobenzene	121	66.6-132		%Rec	1 5/23/2017 12:44:06 PM 31878					

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

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 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1705B32
	24-May-17

Page 3 of 6

Conoco Phillips Reid B6

**Client:** 

Project: Reid B6										
Sample ID LCS-31890	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch	Batch ID: 31890 RunNo: 42984								
Prep Date: 5/22/2017	Analysis Da	te: 5/	23/2017	S	eqNo: 1	352959	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.0	73.2	114			
Surr: DNOP	4.3		5.000		86.8	70	130			
Sample ID MB-31890	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Sample ID MB-31890 Client ID: PBS	SampTy Batch	pe: ME ID: 31	3LK 890	Tes F	tCode: El	PA Method 2984	8015M/D: Di	esel Range	e Organics	
Sample ID MB-31890 Client ID: PBS Prep Date: 5/22/2017	SampTy Batch Analysis Da	pe: ME ID: 31 ite: 5/	3LK 890 23/2017	Tes F	tCode: El RunNo: 4 SeqNo: 1	PA Method 2984 352960	8015M/D: Di Units: mg/H	esel Range (g	e Organics	
Sample ID MB-31890 Client ID: PBS Prep Date: 5/22/2017 Analyte	SampTy Batch Analysis Da Result	pe: ME ID: 31 ite: 5/ PQL	3LK 890 23/2017 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 4 SeqNo: 1 %REC	PA Method 2984 352960 LowLimit	8015M/D: Di Units: mg/F HighLimit	esel Rango (g %RPD	e <b>Organics</b> RPDLimit	Qual
Sample ID MB-31890 Client ID: PBS Prep Date: 5/22/2017 Analyte Diesel Range Organics (DRO)	SampTy Batch Analysis Da Result ND	pe: ME ID: 31 ite: 5/ PQL 10	3LK 890 23/2017 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 4 SeqNo: 1 %REC	PA Method 2984 352960 LowLimit	8015M/D: Di Units: mg/ł HighLimit	esel Rango (g %RPD	e Organics	Qual
Sample ID MB-31890 Client ID: PBS Prep Date: 5/22/2017 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	SampTy Batch Analysis Da Result ND ND	pe: ME ID: 31 ite: 5/ PQL 10 50	3LK 890 23/2017 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 4 SeqNo: 1 %REC	PA Method 2984 352960 LowLimit	8015M/D: Di Units: mg/P HighLimit	esel Rango (g %RPD	e Organics	Qual

Qualifiers:

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

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory	, Inc

WO#:	1705B32
	24-May-17

Client:	Conoco P	hillips								
Project:	Reid B6									
Sample ID	MB-31878	SampType:	MBLK	Test	Code: EF	A Method	8015D: Gasoli	ine Range	9	
Client ID:	PBS	Batch ID:	31878	R	unNo: 42	2996				
Prep Date:	5/22/2017	Analysis Date:	5/23/2017	S	eqNo: 13	353382	Units: mg/Kg	1		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 50	5.0 1000		95.4	54	150			
Sample ID	LCS-31878	SampType:	LCS	Test	Code: EF	PA Method	8015D: Gasol	ine Range	Э	
Client ID:	LCSS	Batch ID:	31878	R	unNo: 42	2996				
Prep Date:	5/22/2017	Analysis Date:	5/23/2017	S	eqNo: 13	353383	Units: mg/Kg	3		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	23	5.0 25.00	0	92.9	76.4	125			
Surr: BFB		1000	1000		99.8	54	150			
Sample ID	1705B32-002AMS	SampType:	MS	Test	Code: EF	PA Method	8015D: Gasol	ine Rang	6	
Client ID:	Separator	Batch ID:	31878	R	unNo: 42	2996				
Prep Date:	5/22/2017	Analysis Date:	5/23/2017	S	eqNo: 1;	353386	Units: mg/Kg	3		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Ran	ge Organics (GRO)	32	4.8 24.25	10.57	87.8	77.8	128			0
Surr: BFB		2100	969.9		216	54	150			5
Sample ID	1705B32-002AMS	D SampType:	MSD	Test	Code: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	Separator	Batch ID:	31878	R	unNo: 4	2996				
Prep Date:	5/22/2017	Analysis Date:	5/23/2017	S	eqNo: 1	353387	Units: mg/Kg	g		
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Ran	ge Organics (GRO)	45	4.8 23.99	10.57	143	77.8	128	33.9	20	RS
Surr: BFB		3300	959.7		341	54	150	0	0	S
Sample ID	MB-31873	SampType:	MBLK	Test	Code: El	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	PBS	Batch ID:	31873	R	unNo: 4	2996				
Prep Date:	5/22/2017	Analysis Date:	5/23/2017	S	eqNo: 1	353389	Units: %Rec			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		960	1000		95.8	54	150			
Sample ID	LCS-31873	SampType:	LCS	Test	Code: El	PA Method	8015D: Gaso	line Rang	е	
Client ID:	LCSS	Batch ID:	31873	R	unNo: 4	2996				
Prep Date:	5/22/2017	Analysis Date:	5/23/2017	S	eqNo: 1	353390	Units: %Rec			
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100	1000		110	54	150			

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 4 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmenta	al Analy	ysis L	aborate	ory, Inc.					WO#:	1705B32 24-May-17
Client: Conoco F Project: Reid B6	Phillips									
Sample ID MB-31878	SampT	уре: МВ	LK	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	h ID: 318	378	R	unNo: 4	2996				
Prep Date: 5/22/2017	Analysis E	Date: 5/2	23/2017	S	eqNo: 1	353418	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		113	66.6	132			
Sample ID LCS-31878	Sampl	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 318	878	F	RunNo: 4	2996				
Prep Date: 5/22/2017	Analysis E	Date: 5/2	23/2017	S	SeqNo: 1	353419	Units: mg/M	ſg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.96	0.10	1.000	0	95.8	66.5	120			
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	66.6	132			
Sample ID 1705B32-001AMS	Samp	Гуре: МS	3	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: Pond	Batc	h ID: 31	878	F	RunNo: 4	2996				
Prep Date: 5/22/2017	Analysis [	Date: 5/	23/2017	S	SeqNo: 1	353421	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.1	0.10	0.9950	0	112	42.5	143			
Benzene	1.1	0.025	0.9950	0	113	61.5	138			
Toluene	1.2	0.050	0.9950	0.007738	117	71.4	127			
Ethylbenzene	1.2	0.050	0.9950	0	120	70.9	132			
Xylenes, Total	3.7	0.10	2.985	0	123	76.2	123			
Surr: 4-Bromofluorobenzene	1.1		0.9950		115	66.6	132			
Sample ID 1705B32-001AMS	D Samp	Type: MS	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: Pond	Batc	h ID: 31	878	F	RunNo: 4	2996				
Prep Date: 5/22/2017	Analysis [	Date: 5/	23/2017	S	SeqNo: 1	353422	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.1	0.098	0.9766	0	117	42.5	143	2.89	20	
Benzene	1.1	0.024	0.9766	0	118	61.5	138	2.24	20	
Toluene	1.2	0.049	0.9766	0.007738	122	71.4	127	2.18	20	
Ethylbenzene	1.2	0.049	0.9766	0	125	70.9	132	1.92	20	
Qualifiers:										

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

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QC SUMMARY REPORT

- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

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QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, In	IC.

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Client:Conoco PhillipsProject:Reid B6

Sample ID 1705B32-001AMSD SampType: MSD TestCode: EPA Method 8021B: Volatiles											
Client ID: Pond	Batch ID: 31878 RunNo: 42996										
Prep Date: 5/22/2017	Analysis Date	5/23/2017	S	eqNo: 13	353422	Units: mg/K	g				
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Xylenes, Total	3.7 0.	098 2.930	0	128	76.2	123	1.98	20	S		
Surr: 4-Bromofluorobenzene	1.1	0.9766		117	66.6	132	0	0			
Sample ID         MB-31873         SampType:         MBLK         TestCode:         EPA Method 8021B:         Volatiles											
Client ID: PBS	Batch ID	31873	R	RunNo: 4	2996						
Prep Date: 5/22/2017	Analysis Date	5/23/2017	S	BeqNo: 1	353425	Units: %Red	;				
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: A Bromofluorohonzono											
Sull. 4-biomolidolobenzelle	1.1	1.000		114	66.6	132					
Sample ID LCS-31873	1.1 SampType	1.000 :: LCS	Tes	114 tCode: EF	66.6 PA Method	132 8021B: Volat	iles				
Sample ID LCS-31873 Client ID: LCSS	1.1 SampType Batch ID	1.000 :: LCS : 31873	Tes	114 tCode: El tunNo: 4	66.6 PA Method 2996	132 8021B: Volat	iles				
Sample ID LCS-31873 Client ID: LCSS Prep Date: 5/22/2017	1.1 SampType Batch ID Analysis Date	1.000 E: LCS : 31873 : 5/23/2017	Tes F S	114 tCode: EF tunNo: 4 SeqNo: 1	66.6 PA Method 2996 353426	132 8021B: Volat Units: %Ree	iles c				
Sample ID LCS-31873 Client ID: LCSS Prep Date: 5/22/2017 Analyte	1.1 SampType Batch ID Analysis Date Result F	1.000 :: LCS : 31873 : 5/23/2017 'QL SPK value	Tes F S SPK Ref Val	114 tCode: EF RunNo: 4 SeqNo: 1 %REC	66.6 PA Method 2996 353426 LowLimit	132 8021B: Volat Units: %Red HighLimit	iles c %RPD	RPDLimit	Qual		

Qualifiers:

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- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
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- E Value above quantitation range
- 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

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albuq TEL: 505-345-3975 F Website: www.hall	nalysis Laborator 4901 Hawkins N tuerque, NM 8710 FAX: 505-345-410 environmental.co	72 7E 09 <b>Samp</b> 77 77	ble Log-In Check List
Client Name: Conoco Phillips Farmingt	Work Order Number:	1705B32		RcptNo: 1
Received By: Anne Thorne	5/20/2017 11:15:00 AM		anne Arm	-
Completed By: Anne Thorne	5/22/2017 9:21:25 AM		A.M.	
Reviewed By: STER 05/22/	[7]		and from	
Chain of Custody				
1. Custody seals intact on sample bottles?		Yes	No 🗌	Not Present
2. Is Chain of Custody complete?		Yes 🔽	No 🗌	Not Present
3. How was the sample delivered?		Courier		
Log In				
4. Was an attempt made to cool the samples?		Yes 🗹	No 🗌	
5. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌	
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗌	
7. Sufficient sample volume for indicated test(s	3)?	Yes 🔽	No 🗌	
8. Are samples (except VOA and ONG) proper	ly preserved?	Yes 🗹	No 🗌	
9. Was preservative added to bottles?		Yes	No 🗹	NA 🗌
10.VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹
11. Were any sample containers received broke	en?	Yes	No 🗹	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🔽	No 🗌	for pH: (<2 or >12 unless noted
13. Are matrices correctly identified on Chain of	Custody?	Yes 🖌	No 🗌	Adjusted?
14. Is it clear what analyses were requested?		Yes 🖌	No 🗌	
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:
Special Handling (if applicable)				
16. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🔽
Person Notified:	Date	la de la companya de	<u>kini ana ala'arina dan ba</u>	
By Whom:	Via:	eMail 🗌 Ph	hone 🗌 Fax	In Person
Regarding:	an a	ajní k sí an d'an manara an	uchistation and a subscription	
Client Instructions:				
17. Additional remarks:				
18. Cooler Information	. ~	10		
Cooler No Temp °C Condition S	eal Intact Seal No S	Seal Date	Signed By	
1 2.4 Good Yes	5			

.

C	hain	-of-Cu	stody Record	cord Turn-Around Time:																			
Client:	Cona	opthe	llips	X Standard													ME	1ENTAL RATORY					
				Project Name:													1.	RATORT					
Mailing	Address	POR	30×4289	Reid Ble				49	01 H	awk	ins M	VE -	Alt		eral	iai.u	M 87	7109					
FAI	Mina	ton 1	11/87421	Project #:				Te	el 50	15-34	15-39	975	F	Fax	505	-345	-410	7					
Phone	#: 5	25-2	58-1607	Pond & Separator				ine . Saesta				A	nal	sis	Rec	ues	t						
email o	r Fax#: (	Lisa.H	unteracop.com	Project Manager:			=	(ylu	Q)					(*)									
QAVQC	Package:			6100 thenter			S) // MF																
2 Star	Idard		Level 4 (Full Validation)	Mac I fuiler			6	I (G	RO			SIN		2, PC	2 P								
Accred □ NEL	AP	□ Othe	er	Sampler:				-TPH	0/0	8.1)	1.1)	8270		ON.E	/ 808		(7				(N)		
	(Type)			Sample Tem	Sample Temperature: 2.4				(GR	d 41	d 50	or	tals	NON'	des	2	NON				٥ ک		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MTI	BTEX + MTI	TPH 8015B	TPH (Metho	EDB (Metho	PAH's (8310	RCRA 8 Me	Anions (F,CI	8081 Pestici	8260B (VOA	8270 (Semi-				Air Bubbles		
5/19/1	9:20	8011	Pond	1/402	Cold	201	X	-	×									the					
5/19/11	9:26	Soil	Separator	1402	Cold	202	X		X														
		$  \cap$	h A-									_											
Dale:	Time:	Reinquish	ed by:	Received by:		Date Time	Ran	narks															
5-A-17 Date:	1452 Time:	Relinquist	AUTA	Conto Received by:	<u>~ ^</u>	5-19-17 1450 Date Time	L	De	07	#	20	21	10	61	4.	2	2						
6-11-17	1537	1 Cin	=m	141		1115	T	TPF	Y	YRI	•	N	IR	O	re	1 10	-						

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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly dotated on the analytical report.