

April 22, 2021

Oil Conservation Division, District I 1625 N. French Dr. Hobbs, NM 88240

Bureau of Land Management, CFO 620 E. Green St. Carlsbad, NM 88220

Re: Closure Request Report King Tut Federal 001H (1.22.21) Tracking # NAPP2103630209 GPS: 32.19428, -103.71959 Unit Letter D Section 30, Township 24 South, Range 32 East Lea County, New Mexico

To Whom it May Concern,

COG Operating, LLC (COG) is pleased to submit the following closure report in response to a release that occurred at the King Tut Federal 001H located in Unit Letter D Section 30, Township 24 South, Range 32 East in Lea County, New Mexico. The spill site coordinates are 32.19428, -103.71959.

BACKGROUND

The release was discovered on January 22, 2021 and a C-141 initial report was submitted and approved by the New Mexico Oil Conservation Division (NMOCD). The release was caused by a flow line rupture in the pasture. Approximately nineteen (19) barrels of produced water was released and no barrels of fluid were recovered. The initial C-141 is shown in Appendix A.

GROUNDWATER AND REGULATORY

According to the New Mexico Office of State Engineer (NMOSE) and the United States Geological Survey (USGS) website no water wells were found within one (1) mile of the release area.

A borehole was drilled within a ¹/₂ mile of the release to a depth of fifty-five (55) feet below surface and open for 72 hrs. After 72 hours, the borehole was gauged for presence of groundwater and no water was present. (Drilling log and map of location in Appendix B).

A risk-based evaluation and site determination was performed in accordance to the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production facilities in New Mexico (effective August 14, 2018). According to the site character evaluation, the release area is located in low karst. No other receptors (water wells, playas, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site.

The groundwater data and the site characterization evaluation data is summarized in Appendix B. The delineation and closure criteria are listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft.)
Low Karst	50-100 ft

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 | P 432.683.7443 | F 432.683.7441

Delineation and Closure Criteria:

Remedial Action Levels (RALs)				
Chlorides	10,000 mg/kg			
TPH (GRO and DRO and MRO)	2,500mg/kg			
Benzene	10 mg/kg			
Total BTEX	50 mg/kg			

INITIAL ASSESMENT

• The remediation was done at risk. Excavation was guided by field screens.

REMEDIAL ACTIONS

- The impacted area was excavated to a depth of four (4) ft BGS.
- Table 1 shows the sample depths and analytical results.
- All the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Confirmation soil samples were taken from bottom and sidewalls of the excavation per NMAC 19.15.29.
- The site was backfilled with clean "like" material.
- The analytical data shown in Table 1 show that the release area meets NMOCD closure criteria (NMAC 19.15.29.12(E) Table I) and NMAC 19.15.29.13(D)(1).

SAMPLING AND BACKFILLING

Once excavated, soil samples were collected from the sidewalls to confirm the removal of impacted soil greater than 600 mg/kg of chlorides. Composite bottom and sidewall samples were collected every 200 square feet, to be representative of the release area. The confirmation samples (CS-1 thru CS-14) and sidewall samples (SW-1 thru SW-7) results meet NMOCD closure criteria.

Once completed, the excavated area was backfilled with non-contaminated material with concentrations below 600 mg/kg of chlorides.

REQUEST FOR CLOSURE

COG Operating, LLC respectfully requests that the New Mexico Oil Conservation Division and the Bureau of Land Management grant closure approval for the King Tut Federal 001H release that occurred on January 22, 20201 (Tracking # NAPP2103630209). The Final C-141 is included in Appendix B.

Should you have any questions or concerns on the closure report, please do not hesitate to contact me.

Sincerely,

Jacqui Arois

Jacqui Harris Environmental Coordinator Jacqui.Harris@conocophillips.com





Table of AnalyticalData

Table 1COG Operating LLC.King Tut Federal 001H (1.22.21)Lea County, New Mexico

Sample		Sample	Soil S	tatus			TF	PH (mg/kg)				Benzene	Total BTEX	Chloride
ĪD	Depth (ft)	Date	In-Situ	Removed	GRO	DRO	MRO	Total	GRO	DRO	Total	(mg/kg)	(mg/kg)	(mg/kg)
Average D	Average Depth to Groundwater (ft) - 51'-100' Low Karst													
NMOCD RA	L Limits (mg/k	(g)			-	-	-	1,000	-	-	1,000	10	50	10,000
CS-1	4	3.17.21	Х		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	< 0.00198	< 0.00198	2330
CS-2	4	3.17.21	Х		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	< 0.00200	< 0.00200	3370
CS-3	4	3.17.21	Х		54.3	<50.0	<50.0	54.3	54.3	<50.0	54.3	< 0.00198	< 0.00198	3640
CS-4	4	3.17.21	Х		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	< 0.00199	< 0.00199	2980
CS-5	4	3.17.21	Х		67.8	<49.9	<49.9	67.8	67.8	<49.9	67.8	< 0.00199	< 0.00199	2850
CS-6	4	3.17.21	Х		<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	0.00262	0.00501	2590
CS-7	4	3.17.21	Х		<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	< 0.00199	< 0.00199	82.3
CS-8	4	3.17.21	Х		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	< 0.00202	< 0.00202	45.7
CS-9	4	3.17.21	Х		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	< 0.00200	< 0.00200	48.2
CS-10	4	3.17.21	Х		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	< 0.00200	< 0.00200	12.8
CS-11	4	3.17.21	Х		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	< 0.00200	< 0.00200	51.4
CS-12	4	3.17.21	Х		<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	< 0.00198	< 0.00198	159
CS-13	4	3.17.21	Х		<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	< 0.00198	< 0.00198	294
CS-14	4	3.17.21	Х		164	<50.0	<50.0	164	164	<50.0	164	< 0.00202	< 0.00202	77.6
SW-1	0-4	3.17.21	Х		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	< 0.00201	< 0.00201	396
SW-2	0-4	3.17.21	Х		<50.1	<50.1	<50.1	<50.1	<50.1	<50.1	<50.1	< 0.00201	< 0.00201	330
SW-3	0-4	3.17.21	Х		<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	<49.9	< 0.00199	< 0.00199	197
SW-4	0-4	3.17.21	Х		<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	< 0.00200	< 0.00200	177
SW-5	0-4	3.17.21	Х		<49.7	<49.7	<49.7	<49.7	<49.7	<49.7	<49.7	< 0.00199	< 0.00199	244
SW-6	0-4	3.17.21	Х		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	< 0.00198	< 0.00198	391
SW-7	0-4	3.17.21	Х		<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	<49.8	< 0.00199	0.147	272

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King Tut Federal 4' Excavated Area



King Tut Federal 001H Backfilled and completed.

Appendix A C-141

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 Department**

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

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

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Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Longitude

Latitude	Longitude
	(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

The source of the release has been stopped.

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

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Oil Conservation Division

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Incident ID	
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Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
Topographic/Aerial maps

Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Received by OCD: 4/22/2021 3:18:20 PM Form C-141 State of New Mexico			Incident ID				
Page 4	Oil Conservation Division		District RP				
			Facility ID				
			Application ID				
regulations all operators are req public health or the environmen failed to adequately investigate addition, OCD acceptance of a and/or regulations. Printed Name: Signature:	tion given above is true and complete to the l uired to report and/or file certain release notif t. The acceptance of a C-141 report by the O and remediate contamination that pose a three C-141 report does not relieve the operator of the relieve the operator of the operator o	fications and perform co OCD does not relieve the at to groundwater, surfar responsibility for compl Title: Date:	rrective actions for rele operator of liability sho ce water, human health iance with any other fee	ases which may endanger ould their operations have or the environment. In deral, state, or local laws			
email:		Telephone:					
OCD Only							
Received by:		Date:					

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Incident ID	
District RP	
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Facility ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u>: Each of the following in	tems must be included in the closure report.								
A scaled site and sampling diagram as described in 19.15.29.11 NMAC									
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)									
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)									
Description of remediation activities									
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rer human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the O	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.								
Printed Name:	_ Title:								
Signature: Jacqui Theories	Date:								
email:	Telephone:								
OCD Only									
Received by:	Date:								
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.								
Closure Approved by: Juntur ex	Date:								
Printed Name:	Title:								

Appendix B

Site Assessment Data



Received by OCD: 4/22/2021 3:18:20 PM National Flood Hazard Layer FIRMette



Legend

regulatory purposes.

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Releasea to Imaging: 7/8/2021 3.999.53 PM 1,500 2.000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



SCARBOROUGH DRILLING, INC. TEST HOLES · WATER WELLS P.O. Box 305 · Ph. 806-872-3285 or 872-9349 LAMESA, TEXAS 79331 2001 South Hwy. 87

		WELL LOG
From	То	FORMATION
0	1	Caliche Pad
1	10	Brown Loose SAL
10	28	Brun SANd VICALiche
28	43	Pense Calicha
43	55	Rod Shale
		а. ₂
E.		BH-1
	*	COG -King Tut
		Federal II 14
		Plugged " Hole Plug
		32,195562 -103,721798
Date &	1-20	Driller Loe Sealer Gibbs PRINTING CO. LAMESA, TX

Appendix C

Analytical Reports

Received by OCD: 4/22/2021 3:18:20 PM

1 2 3 4 5 6 7 8 9 10 11 12 13

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-402-1

Laboratory Sample Delivery Group: Eddy NM Client Project/Site: King Tut Fed 1H

For:

ConocoPhillips Co. 1401 Commerce Drive Carlsbad, New Mexico 882200

Attn: Jacqui Harris

KRAMER

Authorized for release by: 3/31/2021 11:51:54 AM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

LINKS **Review your project** results through **Total** Access **Have a Question?** Ask-The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 7/8/2021 3:32:53 PM

Laboratory Job ID: 890-402-1 SDG: Eddy NM

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2

	Definitions/Glossary		
		Job ID: 890-402-1 SDG: Eddy NM	2
Qualifier	S		3
GC VOA			
Qualifier	Qualifier Description		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		5
GC Semi V	OA		
Qualifier	Qualifier Description		
*+	LCS and/or LCSD is outside acceptance limits, high biased.		

Qualit

*1

F1

S1-

U

LCS/LCSD RPD exceeds control limits. MS and/or MSD recovery exceeds control limits. Surrogate recovery exceeds control limits, low biased.

Qualifier Description

Indicates the analyte was analyzed for but not detected.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier U

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 890-402-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-402-1

Comments

No additional comments.

Receipt

The samples were received on 3/19/2021 11:28 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: CS-1 (890-402-1), CS-2 (890-402-2), CS-3 (890-402-3), CS-4 (890-402-4), CS-5 (890-402-5), CS-6 (890-402-6), CS-7 (890-402-7), CS-8 (890-402-8), CS-9 (890-402-9), CS-10 (890-402-10), CS-11 (890-402-11), CS-12 (890-402-12), CS-13 (890-402-13), CS-14 (890-402-14), SW-1 (890-402-15), SW-2 (890-402-16), SW-3 (890-402-17), SW-4 (890-402-18), SW-5 (890-402-19), SW-6 (890-402-20) and SW-7 (890-402-21).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-7 (890-402-7), CS-9 (890-402-9), CS-14 (890-402-14) and SW-6 (890-402-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

GC Semi VOA

Method 8015B NM: The laboratory control sample (LCS) associated with preparation batch 880-908 and analytical batch 880-946 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-907 and analytical batch 880-939 recovered outside control limits for the following analytes: <AffectedAnalytes>.

Job ID: 890-402-1 SDG: Eddy NM

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-1 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:06	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/30/21 15:36	03/30/21 21:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/30/21 15:36	03/30/21 21:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				03/30/21 15:36	03/30/21 21:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/30/21 15:36	03/30/21 21:06	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1 F1	49.9		mg/Kg		03/26/21 13:48	03/27/21 12:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U F1	49.9		mg/Kg		03/26/21 13:48	03/27/21 12:27	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 12:27	1
Total TPH	<49.9	U F1	49.9		mg/Kg		03/26/21 13:48	03/27/21 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	18	S1-	70 - 130				03/26/21 13:48	03/27/21 12:27	1
o-Terphenyl	15	S1-	70 - 130				03/26/21 13:48	03/27/21 12:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualit	fier RL	MDL Un	nit D	Prepared	Analyzed	Dil Fac
Chloride	2330	25.1	mg	g/Kg		03/24/21 11:09	5
Client Sample ID: CS-2					Lab Sam	ple ID: 890-	402-2

Client Sample ID: CS-2

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 21:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 21:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 21:26	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 21:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/30/21 15:36	03/30/21 21:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/30/21 15:36	03/30/21 21:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				03/30/21 15:36	03/30/21 21:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/30/21 15:36	03/30/21 21:26	1
_ Method: 8015B NM - Diese	I Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		03/26/21 13:48	03/27/21 13:31	1

(GRO)-C6-C10

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5

Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-1 Matrix: Solid

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-2 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Method: 8015B NM - Diesel R									
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 13:31	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 13:31	1
Total TPH	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 13:31	1
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	5	S1-	70 - 130				03/26/21 13:48	03/27/21 13:31	1
o-Terphenyl	0.08	S1-	70 - 130				03/26/21 13:48	03/27/21 13:31	1
Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ıble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		24.9		mg/Kg			03/24/21 11:14	5
Client Sample ID: CS-3							Lab Sam	ple ID: 890-	-402-3
Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28								Matrix	c: Solid
Method: 8021B - Volatile Orga	anic Compo	unds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:47	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:47	1
Xylenes, Total	<0.00397		0.00397		mg/Kg		03/30/21 15:36	03/30/21 21:47	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/30/21 15:36	03/30/21 21:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/30/21 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/30/21 15:36	03/30/21 21:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/30/21 15:36	03/30/21 21:47	1
_ Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	54.3	*1	50.0		mg/Kg		03/26/21 13:48	03/27/21 13:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 13:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 13:53	1
Total TPH	54.3		50.0		mg/Kg		03/26/21 13:48		1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane		S1-	70 - 130				•	03/27/21 13:53	1
o-Terphenyl		S1-	70 - 130				03/26/21 13:48	03/27/21 13:53	1
_ Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ıble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-2 Matrix: Solid

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03/24/21 11:19

Released to Imaging: 7/8/2021 3:32:53 PM

Chloride

24.8

mg/Kg

3640

5

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-4 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:08	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 22:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 22:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/30/21 15:36	03/30/21 22:08	1
1,4-Difluorobenzene (Surr)	111		70 - 130				03/30/21 15:36	03/30/21 22:08	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		03/26/21 13:48	03/27/21 14:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 14:15	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 14:15	1
Total TPH	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	3	S1-	70 - 130				03/26/21 13:48	03/27/21 14:15	1
o-Terphenyl	0.08	S1-	70 - 130				03/26/21 13:48	03/27/21 14:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2980	25.3	mg/Kg			03/24/21 11:34	5
Client Sample ID: CS-5					Lab Sam	ple ID: 890-	402-5

Client Sample ID: CS-5

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Method: 8021B - Volatile O	rganic Compo	unds (GC)	1						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:28	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 22:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 22:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/30/21 15:36	03/30/21 22:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/30/21 15:36	03/30/21 22:28	1
_ Method: 8015B NM - Diese	I Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	67.8	*1	49.9		mg/Kg		03/26/21 13:48	03/27/21 14:36	1

5

Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-4

Matrix: Solid

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-5 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC) (Contin	ued)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 14:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 14:36	1
Total TPH	67.8		49.9		mg/Kg		03/26/21 13:48	03/27/21 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	22	S1-	70 - 130				03/26/21 13:48	03/27/21 14:36	1
o-Terphenyl	14	S1-	70 - 130				03/26/21 13:48	03/27/21 14:36	1
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Soli	ıble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
								•	

Client Sample ID: CS-6 Date Collected: 03/17/21 00:00

Date Received: 03/19/21 11:28

Oll Range Organics (Over C28-C36)

C10-C28)

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00262		0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:49	1
Total BTEX	0.00501		0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 22:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 22:49	1
o-Xylene	0.00239		0.00199		mg/Kg		03/30/21 15:36	03/30/21 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/30/21 15:36	03/30/21 22:49	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/30/21 15:36	03/30/21 22:49	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte **Result Qualifier** RL MDL Unit D Prepared <49.8 U *1 Gasoline Range Organics 49.8 mg/Kg 03/26/21 13:48 03/27/21 14:57 (GRO)-C6-C10 <49.8 U 03/26/21 13:48 03/27/21 14:57 **Diesel Range Organics (Over** 49.8 mg/Kg

<49.8 U

Total TPH	<49.8	U	49.8	mg/Kg	03/26/21 13:48	03/27/21 14:57	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	37	S1-	70 - 130		03/26/21 13:48	03/27/21 14:57	1
o-Terphenyl	34	S1-	70 - 130		03/26/21 13:48	03/27/21 14:57	1

49.8

mg/Kg

Method: 300.0 - Anions, Ion C	hromatograp	hy - Soluble						
Analyte	Result Q	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2590	24.9		mg/Kg			03/24/21 11:44	5

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-5 Matrix: Solid

Lab Sample ID: 890-402-6

Analyzed

03/26/21 13:48 03/27/21 14:57

1

1

1

Dil Fac

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-7 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 23:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 23:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 23:10	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 23:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 23:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/30/21 23:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/30/21 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	128		70 - 130				03/30/21 15:36	03/30/21 23:10	
1,4-Difluorobenzene (Surr)	95		70 - 130				03/30/21 15:36	03/30/21 23:10	Ţ

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8		mg/Kg		03/26/21 13:48	03/27/21 15:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 15:19	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 15:19	1
Total TPH	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	20	S1-	70 - 130				03/26/21 13:48	03/27/21 15:19	1
o-Terphenyl	16	S1-	70 - 130				03/26/21 13:48	03/27/21 15:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Chloride	Result 0	Qualifier	RL 4.95	MDL	Unit mg/Kg	D	Prepared	Analyzed 03/24/21 11:49	Dil Fac
Client Sample ID: CS-8							Lab Sam	ple ID: 890-	402-8

Client Sample ID: CS-8

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/30/21 23:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/30/21 23:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/30/21 23:31	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/30/21 23:31	1
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		03/30/21 15:36	03/30/21 23:31	1
m-Xylene & p-Xylene	< 0.00403	U	0.00403		mg/Kg		03/30/21 15:36	03/30/21 23:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/30/21 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/30/21 15:36	03/30/21 23:31	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/30/21 15:36	03/30/21 23:31	1
_ Method: 8015B NM - Diese	I Range Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/26/21 13:48	03/27/21 15:40	1

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Matrix: Solid

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-7 Matrix: Solid

5

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-8 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 15:40	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 15:40	
Total TPH	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 15:40	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	82		70 - 130				03/26/21 13:48	03/27/21 15:40	
o-Terphenyl	79		70 - 130				03/26/21 13:48	03/27/21 15:40	
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	45.7		5.00		mg/Kg			03/24/21 11:54	
Client Sample ID: CS-9							Lab Sam	ple ID: 890-	-402-9
Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28								Matrix	c: Solie
Method: 8021B - Volatile Orga									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg			03/30/21 23:51	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 23:51	
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 23:51	
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 23:51	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/30/21 15:36	03/30/21 23:51	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/30/21 15:36	03/30/21 23:51	
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 23:51	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		70 - 130				03/30/21 15:36	03/30/21 23:51	
1,4-Difluorobenzene (Surr)	100		70 - 130				03/30/21 15:36	03/30/21 23:51	
Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/26/21 13:48	03/27/21 16:01	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 16:01	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 16:01	
Total TPH	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 16:01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	85		70 - 130				03/26/21 13:48	03/27/21 16:01	
o-Terphenyl	83		70 - 130				03/26/21 13.48	03/27/21 16:01	

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solu	ıble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.2		4.96		mg/Kg			03/24/21 11:59	1

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-8 Matrix: Solid

Released to Imaging: 7/8/2021 3:32:53 PM

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-10 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 00:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 00:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 00:12	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 00:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/30/21 15:36	03/31/21 00:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/30/21 15:36	03/31/21 00:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/30/21 15:36	03/31/21 00:12	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/30/21 15:36	03/31/21 00:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0		mg/Kg		03/26/21 13:48	03/27/21 16:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 16:22	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 16:22	1
Total TPH	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/26/21 13:48	03/27/21 16:22	1
o-Terphenyl	90		70 - 130				03/26/21 13:48	03/27/21 16:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Chloride	Result	Qualifier	RL 5.04	MDL	Unit mg/Kg	D	Prepared	Analyzed	Dil Fac
Client Sample ID: CS-11	12.0		0.04		ilig/itg		Lab Samp	ole ID: 890-4	02-11

Client Sample ID: CS-11 Date Collected: 03/17/21 00:00

Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 01:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 01:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 01:36	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 01:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/30/21 15:36	03/31/21 01:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/30/21 15:36	03/31/21 01:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/31/21 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				03/30/21 15:36	03/31/21 01:36	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/30/21 15:36	03/31/21 01:36	1
Method: 8015B NM - Diese	I Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		03/26/21 13:48	03/27/21 17:04	1

(GRO)-C6-C10

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-10

Matrix: Solid

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-11 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Ethylbenzene

Toluene

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 17:04	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 17:04	1
Total TPH	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/26/21 13:48	03/27/21 17:04	1
o-Terphenyl	91		70 - 130				02/26/24 12:40	03/27/21 17:04	1
		phy - Solu					03/20/21 13.46	03/2//21 17.04	
Method: 300.0 - Anions, Ion C	hromatogra	• •	ble		11-24	_			
Method: 300.0 - Anions, Ion C Analyte	hromatogra	phy - Solu Qualifier		MDL	Unit mg/Kg	D	Prepared	Analyzed 03/24/21 12:19	Dil Fac
Method: 300.0 - Anions, Ion C Analyte Chloride	chromatogra Result	• •	ble RL	MDL		D	Prepared	Analyzed 03/24/21 12:19	1
Method: 300.0 - Anions, Ion C Analyte Chloride	chromatogra Result	• •	ble RL	MDL		<u>D</u>	Prepared	Analyzed	1
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: CS-12	chromatogra Result	• •	ble RL	MDL		D	Prepared	Analyzed 03/24/21 12:19 le ID: 890-4	02-12
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: CS-12 vate Collected: 03/17/21 00:00	chromatogra Result	• •	ble RL	MDL		<u>D</u>	Prepared	Analyzed 03/24/21 12:19 le ID: 890-4	02-12
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: CS-12 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28	chromatogra Result 51.4	Qualifier	ble RL	MDL		D	Prepared	Analyzed 03/24/21 12:19 le ID: 890-4	02-12
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: CS-12 Pate Collected: 03/17/21 00:00 Pate Received: 03/19/21 11:28 Method: 8021B - Volatile Orga	hromatogra Result 51.4	Qualifier unds (GC)	ble <u>RL</u> <u>5.03</u>		mg/Kg		Prepared Lab Samp	Analyzed 03/24/21 12:19 le ID: 890-4 Matrix	1 02-12 :: Solid
Method: 300.0 - Anions, Ion C Analyte Chloride Client Sample ID: CS-12 Date Collected: 03/17/21 00:00	hromatogra Result 51.4	Qualifier	ble RL			D	Prepared	Analyzed 03/24/21 12:19 le ID: 890-4	_Dil Fac 1 .02-12 :: Solid

				0 0			
Total BTEX	<0.00198	U	0.00198	mg/Kg	03/30/21 15:36	03/31/21 01:57	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg	03/30/21 15:36	03/31/21 01:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg	03/30/21 15:36	03/31/21 01:57	1
o-Xylene	<0.00198	U	0.00198	mg/Kg	03/30/21 15:36	03/31/21 01:57	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		03/30/21 15:36	03/31/21 01:57	1
1,4-Difluorobenzene (Surr)	111		70 - 130		03/30/21 15:36	03/31/21 01:57	1
 Method: 8015B NM - Diesel	Banga Organ						
Welhod: 60 156 MW - Diesei							

0.00198

0.00198

mg/Kg

mg/Kg

<0.00198 U

<0.00198 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:25	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:25	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:25	1
Total TPH	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate 1-Chlorooctane	%Recovery 97	Qualifier	Limits 70 - 130				Prepared 03/26/21 13:48	Analyzed 03/27/21 17:25	Dil Fac
		Qualifier					03/26/21 13:48	03/27/21 17:25	Dil Fac 1 1
1-Chlorooctane	97	Qualifier	70 - 130				03/26/21 13:48	03/27/21 17:25	Dil Fac 1 1
1-Chlorooctane	97 95	<u> </u>	70 - 130 70 - 130				03/26/21 13:48	03/27/21 17:25	Dil Fac 1 1
1-Chlorooctane o-Terphenyl	97 95 Chromatogra	<u> </u>	70 - 130 70 - 130	MDL	Unit	D	03/26/21 13:48	03/27/21 17:25	Dil Fac 1 1 Dil Fac

Job ID: 890-402-1 SDG: Eddy NM

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Lab Sample ID: 890-402-11 Matrix: Solid

03/30/21 15:36 03/31/21 01:57

03/30/21 15:36 03/31/21 01:57

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1

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Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-13 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 02:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 02:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 02:18	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 02:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/30/21 15:36	03/31/21 02:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/30/21 15:36	03/31/21 02:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/30/21 15:36	03/31/21 02:18	1
1,4-Difluorobenzene (Surr)	110		70 - 130				03/30/21 15:36	03/31/21 02:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:46	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:46	1
Total TPH	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/26/21 13:48	03/27/21 17:46	1
o-Terphenyl	100		70 - 130				03/26/21 13:48	03/27/21 17:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Chloride	Result 294	Qualifier	RL 5.05	MDL	Unit mg/Kg	_ <u>D</u>	Prepared	Analyzed 03/24/21 12:39	Dil Fac
Client Sample ID: CS-14							Lab Samp	le ID: 890-4	02-14

.

Client Sample ID: CS-14 Date Collected: 03/17/21 00:00

Date Received: 03/19/21 11:28

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/31/21 02:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/31/21 02:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/31/21 02:38	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/31/21 02:38	1
Xylenes, Total	< 0.00404	U	0.00404		mg/Kg		03/30/21 15:36	03/31/21 02:38	1
m-Xylene & p-Xylene	< 0.00404	U	0.00404		mg/Kg		03/30/21 15:36	03/31/21 02:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/30/21 15:36	03/31/21 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/30/21 15:36	03/31/21 02:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130				03/30/21 15:36	03/31/21 02:38	1
_ Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	164	*1	50.0		mg/Kg		03/26/21 13:48	03/27/21 18:07	1

5

Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-13

Matrix: Solid

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: CS-14 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 18:07	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 18:07	
Total TPH	164		50.0		mg/Kg		03/26/21 13:48	03/27/21 18:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	79		70 - 130				03/26/21 13:48	03/27/21 18:07	
o-Terphenyl	81		70 - 130				03/26/21 13:48	03/27/21 18:07	
Method: 300.0 - Anions, Ion C			ıble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	77.6		5.00		mg/Kg			03/24/21 12:44	
lient Sample ID: SW-1							Lab Samp	le ID: 890-4	02-1
ate Collected: 03/17/21 00:00								Matrix	: Soli

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 02:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 02:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 02:59	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 02:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/30/21 15:36	03/31/21 02:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/30/21 15:36	03/31/21 02:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/30/21 15:36	03/31/21 02:59	1

1,4-Difluorobenzene (Surr)	106		70 - 130				03/30/21 15:36	03/31/21 02:59	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/26/21 13:48	03/27/21 18:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 18:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 18:28	1
Total TPH	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				03/26/21 13:48	03/27/21 18:28	1

o-Terphenyl	77		70 - 130					03/27/21 18:28	1
 Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	396		4.98		mg/Kg			03/24/21 12:49	1

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-14 Matrix: Solid

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: SW-2 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 03:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 03:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 03:20	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 03:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/30/21 15:36	03/31/21 03:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/30/21 15:36	03/31/21 03:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/30/21 15:36	03/31/21 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/30/21 15:36	03/31/21 03:20	1
1,4-Difluorobenzene (Surr)	121		70 - 130				03/30/21 15:36	03/31/21 03:20	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U *1	50.1		mg/Kg		03/26/21 13:48	03/27/21 18:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		03/26/21 13:48	03/27/21 18:49	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/26/21 13:48	03/27/21 18:49	1
Total TPH	<50.1	U	50.1		mg/Kg		03/26/21 13:48	03/27/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				03/26/21 13:48	03/27/21 18:49	1
o-Terphenyl	61	S1-	70 - 130				03/26/21 13:48	03/27/21 18:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Chloride	Result 330	Qualifier	RL 4.97	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/24/21 12:54	Dil Fac
Client Sample ID: SW-3						1	Lab Samp	ole ID: 890-4	02-17

Client Sample ID: SW-3

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 03:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 03:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 03:40	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 03:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/31/21 03:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/31/21 03:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				03/30/21 15:36	03/31/21 03:40	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/30/21 15:36	03/31/21 03:40	1
_ Method: 8015B NM - Diese	I Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		03/26/21 13:48	03/27/21 19:10	1

(GRO)-C6-C10

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-16

Matrix: Solid

5

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: SW-3 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 19:10	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 19:10	1
Total TPH	<49.9	U	49.9		mg/Kg		03/26/21 13:48	03/27/21 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				03/26/21 13:48	03/27/21 19:10	1
o-Terphenyl	74		70 - 130				03/26/21 13:48	03/27/21 19:10	1
Chioride	197		4.95		mg/Kg			03/24/21 12:59	1
Chloride Client Sample ID: SW-4	197		4.95		mg/Kg		Lab Samp	le ID: 890-4	
Client Sample ID: SW-4 Date Collected: 03/17/21 00:00	197		4.95		mg/Kg		Lab Samp	le ID: 890-4	1 02-18 :: Solid
Client Sample ID: SW-4 late Collected: 03/17/21 00:00 late Received: 03/19/21 11:28 Method: 8021B - Volatile Orga	anic Compo							le ID: 890-4 Matrix	: Solid
Client Sample ID: SW-4 ate Collected: 03/17/21 00:00 ate Received: 03/19/21 11:28 Method: 8021B - Volatile Orga Analyte	anic Compo Result	Qualifier	RL	MDL	Unit	D	Prepared	le ID: 890-4 Matrix Analyzed	
Client Sample ID: SW-4 ate Collected: 03/17/21 00:00 ate Received: 03/19/21 11:28 Method: 8021B - Volatile Orga Analyte	anic Compo Result <0.00200	Qualifier U	RL 0.00200	MDL		<u>D</u>		le ID: 890-4 Matrix <u>Analyzed</u> 03/31/21 04:01	: Solid
Client Sample ID: SW-4 ate Collected: 03/17/21 00:00 ate Received: 03/19/21 11:28 Method: 8021B - Volatile Orga Analyte Benzene	anic Compo Result	Qualifier U	RL	MDL	Unit	D	Prepared	le ID: 890-4 Matrix Analyzed	: Solid
Client Sample ID: SW-4 ate Collected: 03/17/21 00:00 ate Received: 03/19/21 11:28 Method: 8021B - Volatile Orga Analyte Benzene Ethylbenzene	anic Compo Result <0.00200	Qualifier U U	RL 0.00200	MDL	Unit mg/Kg	<u>D</u>	Prepared 03/30/21 15:36	le ID: 890-4 Matrix <u>Analyzed</u> 03/31/21 04:01	: Solid
Client Sample ID: SW-4 ate Collected: 03/17/21 00:00 ate Received: 03/19/21 11:28 Method: 8021B - Volatile Orga Analyte Benzene Ethylbenzene Toluene	anic Compo Result <0.00200 <0.00200	Qualifier U U U	RL 0.00200 0.00200	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 03/30/21 15:36 03/30/21 15:36	le ID: 890-4 Matrix Analyzed 03/31/21 04:01 03/31/21 04:01	: Solid
Client Sample ID: SW-4 bate Collected: 03/17/21 00:00 bate Received: 03/19/21 11:28 Method: 8021B - Volatile Orga Analyte Benzene Ethylbenzene Toluene Total BTEX	anic Compo Result <0.00200 <0.00200 <0.00200	Qualifier U U U U	RL 0.00200 0.00200 0.00200	MDL	Unit mg/Kg mg/Kg mg/Kg	D	Prepared 03/30/21 15:36 03/30/21 15:36 03/30/21 15:36	Analyzed 03/31/21 04:01 03/31/21 04:01 03/31/21 04:01	: Solid
· · · · · · · · · · · · · · · · · · ·	anic Compo Result <0.00200 <0.00200 <0.00200 <0.00200	Qualifier U U U U U U	RL 0.00200 0.00200 0.00200 0.00200	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/30/21 15:36 03/30/21 15:36 03/30/21 15:36 03/30/21 15:36	Analyzed 03/31/21 04:01 03/31/21 04:01 03/31/21 04:01 03/31/21 04:01	: Solid

Surrogate	%Recovery	Qualifier		
4-Bromofluorobenzene (Surr)	95			
1,4-Difluorobenzene (Surr)	106			

Method: 8015B NM - Diesel Ra	inge Organics (DRO) (G	C)	
Analyte	Result Qualifier	RL	MDL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8		mg/Kg		03/26/21 13:48	03/27/21 19:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 19:31	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 19:31	1
Total TPH	<49.8	U	49.8		mg/Kg		03/26/21 13:48	03/27/21 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				03/26/21 13:48	03/27/21 19:31	1
o-Terphenyl	72		70 - 130				03/26/21 13:48	03/27/21 19:31	1
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Soli	uble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Limits

70 - 130

70 - 130

Job ID: 890-402-1

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SDG: Eddy NM

Lab Sample ID: 890-402-17 Matrix: Solid

Prepared

03/30/21 15:36 03/31/21 04:01

03/30/21 15:36 03/31/21 04:01

Analyzed

Dil Fac 1

Dil Fac

1

1

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Client Sample Results

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: SW-5 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 04:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 04:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 04:22	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 04:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/31/21 04:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/21 15:36	03/31/21 04:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/21 15:36	03/31/21 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/30/21 15:36	03/31/21 04:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/30/21 15:36	03/31/21 04:22	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U *1	49.7		mg/Kg		03/26/21 13:48	03/27/21 19:52	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		03/26/21 13:48	03/27/21 19:52	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/26/21 13:48	03/27/21 19:52	1
Total TPH	<49.7	U	49.7		mg/Kg		03/26/21 13:48	03/27/21 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				03/26/21 13:48	03/27/21 19:52	1
o-Terphenyl	73		70 - 130				03/26/21 13:48	03/27/21 19:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Chloride	Result Q	Qualifier R 5.0	 Unit mg/Kg	D	Prepared	Analyzed 03/29/21 14:29	Dil Fac
Client Sample ID: SW-6					Lab Samp	le ID: 890-4	02-20

Client Sample ID: SW-6

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Method: 8021B - Volatile Or	ganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 04:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 04:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 04:43	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 04:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/30/21 15:36	03/31/21 04:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/30/21 15:36	03/31/21 04:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/30/21 15:36	03/31/21 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/30/21 15:36	03/31/21 04:43	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/30/21 15:36	03/31/21 04:43	1
Method: 8015B NM - Diesel	Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0		mg/Kg		03/26/21 13:48	03/27/21 20:13	1

(GRO)-C6-C10

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-19

Matrix: Solid

Matrix: Solid

Client Sample Results

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Client Sample ID: SW-6 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 20:13	
C10-C28)					-				
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 20:13	
Total TPH	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 20:13	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	75		70 - 130				03/26/21 13:48	03/27/21 20:13	
o-Terphenyl	71		70 - 130				03/26/21 13:48	03/27/21 20:13	
Method: 300.0 - Anions, Ion C	hromatogra	iphy - Solu	ıble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	391		4.98		mg/Kg			03/29/21 14:34	·
lient Sample ID: SW-7							Lab Samp	le ID: 890-4	L02-2
•							Eas Gamp		
ate Collected: 03/17/21 00:00								Matrix	c: Solie
ate Received: 03/19/21 11:28									
Method: 8021B - Volatile Orga	nic Compo	unds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		03/30/21 09:18	03/30/21 15:27	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/21 09:18	03/30/21 15:27	
Toluene	0.00420		0.00199		mg/Kg		03/30/21 09:18	03/30/21 15:27	
Total BTEX	0.147		0.00199		mg/Kg		03/30/21 09:18	03/30/21 15:27	
Xylenes, Total	0.143		0.00398		mg/Kg		03/30/21 09:18	03/30/21 15:27	
m-Xylene & p-Xylene	0.00414		0.00398		mg/Kg		03/30/21 09:18	03/30/21 15:27	
o-Xylene	0.139		0.00199		mg/Kg		03/30/21 09:18	03/30/21 15:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	117		70 - 130				03/30/21 09:18	03/30/21 15:27	
1,4-Difluorobenzene (Surr)	101		70 - 130				03/30/21 09:18	03/30/21 15:27	
			(60)						
Method: 8015B NM - Diesel Ra	ande Ordan					-	Dueurent		Dil Fa
			• •	MDL	Unit	U D	Prepareo	Analyzed	
Analyte	Result	Qualifier		MDL	Unit ma/Ka	D	Prepared 03/26/21 14:06	Analyzed 03/27/21 22:32	Dirra
Analyte Gasoline Range Organics		Qualifier	• •	MDL	Unit mg/Kg	D		Analyzed 03/27/21 22:32	
Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U *+		MDL		<u>D</u>	03/26/21 14:06		
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8	Qualifier U *+	RL 49.8	MDL	mg/Kg		03/26/21 14:06	03/27/21 22:32	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U *+ U	RL 49.8	MDL	mg/Kg	D	03/26/21 14:06 03/26/21 14:06	03/27/21 22:32	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.8 <49.8	Qualifier U *+ U	RL 49.8 49.8	MDL	mg/Kg mg/Kg	<u>D</u>	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06	03/27/21 22:32 03/27/21 22:32	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8	Qualifier U *+ U U U	RL 49.8 49.8 49.8	MDL	mg/Kg mg/Kg mg/Kg	D	03/26/21 14:06 03/26/21 14:06 03/26/21 14:06	03/27/21 22:32 03/27/21 22:32 03/27/21 22:32	Dil Fa

 Method: 300.0 - Anions, Ion Cl	hromatography - Solut	ble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272	5.04	mg/Kg			03/29/21 14:49	1

70 - 130

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Job ID: 890-402-1 SDG: Eddy NM

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Lab Sample ID: 890-402-20 Matrix: Solid

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03/26/21 14:06 03/27/21 22:32

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o-Terphenyl

DFBZ1

BFB1

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

		0101		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-402-1	CS-1	84	102	
890-402-1 MS	CS-1	92	107	
890-402-1 MSD	CS-1	89	104	
890-402-2	CS-2	99	109	
890-402-3	CS-3	95	106	
890-402-4	CS-4	104	111	
890-402-5	CS-5	95	97	
890-402-6	CS-6	96	107	
890-402-7	CS-7	128	95	
890-402-8	CS-8	103	108	
890-402-9	CS-9	108	100	
890-402-10	CS-10	96	105	
890-402-11	CS-11	94	103	
890-402-12	CS-12	100	111	
890-402-13	CS-13	95	110	
890-402-14	CS-14	102	95	
890-402-15	SW-1	100	106	
890-402-16	SW-2	103	121	
890-402-17	SW-3	98	106	
890-402-18	SW-4	95	106	
890-402-19	SW-5	100	109	
890-402-20	SW-6	118	94	
890-402-21	SW-7	117	101	
LCS 880-1052/1-A	Lab Control Sample	97	206 S1+	
LCS 880-1075/1-A	Lab Control Sample	86	108	
LCSD 880-1052/2-A	Lab Control Sample Dup	99	103	
LCSD 880-1075/2-A	Lab Control Sample Dup	88	105	
MB 880-1052/5-A	Method Blank	100	101	
MB 880-1075/5-A	Method Blank	121	107	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Matrix: Solid

			Percent Surr	ogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-402-1	CS-1	18 S1-	15 S1-	
890-402-1 MS	CS-1	24 S1-	19 S1-	
890-402-1 MSD	CS-1	22 S1-	15 S1-	
890-402-2	CS-2	5 S1-	0.08 S1-	
890-402-3	CS-3	14 S1-	7 S1-	
890-402-4	CS-4	3 S1-	0.08 S1-	
890-402-5	CS-5	22 S1-	14 S1-	
890-402-6	CS-6	37 S1-	34 S1-	
890-402-7	CS-7	20 S1-	16 S1-	
890-402-8	CS-8	82	79	

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Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Prep Type: Total/NA

Client: ConocoPhillips Co.

Job ID: 890-402-1 SDG: Eddy NM

Project/Site: King Tut Fed 1H Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

			Pe	rcent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-402-9	CS-9	85	83		
890-402-10	CS-10	91	90		
890-402-11	CS-11	93	91		
890-402-12	CS-12	97	95		
890-402-13	CS-13	103	100		
890-402-14	CS-14	79	81		
890-402-15	SW-1	83	77		
890-402-16	SW-2	65 S1-	61 S1-		
890-402-17	SW-3	79	74		
890-402-18	SW-4	78	72		
890-402-19	SW-5	78	73		
890-402-20	SW-6	75	71		
890-402-21	SW-7	96	90		
LCS 880-907/2-A	Lab Control Sample	99	89		
LCS 880-908/2-A	Lab Control Sample	98	85		
LCSD 880-907/3-A	Lab Control Sample Dup	85	74		
LCSD 880-908/3-A	Lab Control Sample Dup	101	85		
MB 880-907/1-A	Method Blank	89	91		1
MB 880-908/1-A	Method Blank	84	81		

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1052/5-A	
Matrix: Solid	
Analysis Batch: 1053	

-	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200		mg/Kg		03/30/21 09:18	03/30/21 13:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/21 09:18	03/30/21 13:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/21 09:18	03/30/21 13:44	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/30/21 09:18	03/30/21 13:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/30/21 09:18	03/30/21 13:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/30/21 09:18	03/30/21 13:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/21 09:18	03/30/21 13:44	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/30/21 09:18	03/30/21 13:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/30/21 09:18	03/30/21 13:44	1

Lab Sample ID: LCS 880-1052/1-A **Matrix: Solid Analysis Batch: 1053**

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07624		mg/Kg		76	70 - 130	
Ethylbenzene	0.100	0.07393		mg/Kg		74	70 - 130	
Toluene	0.100	0.07294		mg/Kg		73	70 - 130	
m-Xylene & p-Xylene	0.200	0.1479		mg/Kg		74	70 - 130	
o-Xylene	0.100	0.07621		mg/Kg		76	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	206	S1+	70 - 130

Lab Sample ID: LCSD 880-1052/2-A Matrix: Solid Analysis Batch: 1053

Analysis Daton. 1055							гіер	Datch.	1032
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08614		mg/Kg		86	70 - 130	12	35
Ethylbenzene	0.100	0.08574		mg/Kg		86	70 - 130	15	35
Toluene	0.100	0.08256		mg/Kg		83	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1714		mg/Kg		86	70 - 130	15	35
o-Xylene	0.100	0.08727		mg/Kg		87	70 - 130	14	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-1075/5-A Matrix: Solid

Analysis Batch: 1080								Prep Batch	า: 1075
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 20:44	1

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Job ID: 890-402-1 SDG: Eddy NM

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 1052

Prep Type: Total/NA Prep Batch: 1052

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 1052

> **Client Sample ID: Method Blank** Prep Type: Total/NA

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Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-1075/5-A Matrix: Solid

Analysis Batch: 1080

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 20:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 20:44	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 20:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/30/21 15:36	03/30/21 20:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/30/21 15:36	03/30/21 20:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/21 15:36	03/30/21 20:44	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				03/30/21 15:36	03/30/21 20:44	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/30/21 15:36	03/30/21 20:44	1

Lab Sample ID: LCS 880-1075/1-A Matrix: Solid Analysis Batch: 1080

Analysis Batch: 1080							Prep Batcl	h: 1075
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09794		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.08914		mg/Kg		89	70 - 130	
Toluene	0.100	0.09261		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1760		mg/Kg		88	70 - 130	
o-Xylene	0.100	0.08882		mg/Kg		89	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-1075/2-A Matrix: Solid Analysis Batch: 1080

Analysis Batch: 1080							Prep	Batch:	
-	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09370		mg/Kg		94	70 - 130	4	35
Ethylbenzene	0.100	0.08673		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.09149		mg/Kg		91	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1711		mg/Kg		86	70 - 130	3	35
o-Xylene	0.100	0.08706		mg/Kg		87	70 - 130	2	35
	CSD								

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-402-1 MS Matrix: Solid

Analysis Batch: 1080									Prep	Batch: 1075
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0990	0.09983		mg/Kg		99	70 - 130	
Ethylbenzene	<0.00198	U	0.0990	0.08844		mg/Kg		89	70 - 130	

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Client Sample ID: CS-1

Prep Type: Total/NA

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Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Released to Imaging:	7/8/2021 3:32:53 PM

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H Job ID: 890-402-1 SDG: Eddy NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-402- Matrix: Solid Analysis Batch: 1080								С		•	al/NA
Analyte	•	Sample Qualifier	Spike Added	-	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toluene	< 0.00198	U	0.0990	0.09661		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene	< 0.00396	U	0.198	0.1788		mg/Kg		89	70 - 130		
o-Xylene	<0.00198	U	0.0990	0.08696		mg/Kg		87	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	92		70 - 130								
1,4-Difluorobenzene (Surr)	107		70 - 130								
Lab Sample ID: 890-402- Matrix: Solid	1 MSD							С	lient Sam Prep Ty	pe: Tot	al/NA
		Sample	Spike	MSD	MSD			С	Prep Ty		al/NA 1075
Matrix: Solid Analysis Batch: 1080	Sample	Sample Qualifier	Spike Added	-	MSD Qualifier	Unit	D	C %Rec	Prep Ty Prep	pe: Tot	al/NA 1075 RPD
Matrix: Solid Analysis Batch: 1080 Analyte	Sample	Qualifier	•	-	-	Unit mg/Kg	D		Prep Ty Prep %Rec.	pe: Tot Batch:	al/NA 1075 RPD Limit
Matrix: Solid Analysis Batch: 1080 Analyte Benzene	Sample Result	Qualifier U	Added	Result	-		<u>D</u>	%Rec	Prep Ty Prep %Rec. Limits	pe: Tot Batch:	al/NA 1075 RPD Limit
Matrix: Solid Analysis Batch: 1080 Analyte Benzene Ethylbenzene	Sample 	Qualifier U U	Added	Result 0.09405	-	mg/Kg	D	%Rec 93	Prep Ty Prep %Rec. Limits 70 - 130	pe: Tot Batch: RPD 6	al/NA 1075 RPD Limit 35 35
Matrix: Solid Analysis Batch: 1080 Analyte Benzene Ethylbenzene Toluene	Sample Result <0.00198 <0.00198	Qualifier U U U	Added	Result 0.09405 0.08213	-	mg/Kg mg/Kg	<u>D</u>	%Rec 93 83	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130	pe: Tot Batch: RPD 6 7	al/NA 1075 RPD Limit 35 35 35
Matrix: Solid	Sample Result <0.00198 <0.00198 <0.00198	Qualifier U U U U	Added 0.0992 0.0992 0.0992	Result 0.09405 0.08213 0.09068	-	mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 93 83 91	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 70 - 130	pe: Tot Batch: RPD 6 7 6	al/NA 1075 RPD Limit 35 35 35 35
Matrix: Solid Analysis Batch: 1080 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene	Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198	Qualifier U U U U	Added 0.0992 0.0992 0.0992 0.0992 0.198	Result 0.09405 0.08213 0.09068 0.1656	-	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 93 83 91 82	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Pe: Tot Batch: RPD 6 7 6 8	al/NA 1075 RPD Limit 35 35 35
Matrix: Solid Analysis Batch: 1080 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene	Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198	Qualifier U U U U U U U MSD	Added 0.0992 0.0992 0.0992 0.0992 0.198	Result 0.09405 0.08213 0.09068 0.1656	-	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 93 83 91 82	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Pe: Tot Batch: RPD 6 7 6 8	al/NA
Matrix: Solid Analysis Batch: 1080 Analyte Benzene Ethylbenzene Toluene m-Xylene & p-Xylene o-Xylene	Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 <i>MSD</i>	Qualifier U U U U U U U MSD	Added 0.0992 0.0992 0.0992 0.198 0.0992	Result 0.09405 0.08213 0.09068 0.1656	-	mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec 93 83 91 82	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Pe: Tot Batch: RPD 6 7 6 8	al/NA 1075 RPD Limit 35 35 35

Lab Sample ID: MB 880-907/1-A Matrix: Solid Analysis Batch: 939

								· · · · · ·	
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 11:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 11:22	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 11:22	1
Total TPH	<50.0	U	50.0		mg/Kg		03/26/21 13:48	03/27/21 11:22	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				03/26/21 13:48	03/27/21 11:22	1

89	70 - 130	03/26/21 13:48	03/27/21 11:22	1
91	70 - 130	03/26/21 13:48	03/27/21 11:22	1

Lab Sample ID: LCS 880-907/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA **Analysis Batch: 939** Prep Batch: 907 Spike LCS LCS %Rec. Added Result Qualifier Unit Limits Analyte D %Rec 1000 1288 70 - 130 Gasoline Range Organics mg/Kg 129

(GRO)-C6-C10

o-Terphenyl

5

7

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Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 907

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 939	-907/2-A					Clier	nt Sai	mple ID	: Lab Cor Prep Ty Prep		al/NA
			Spike		LCS				%Rec.		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over C10-C28)			1000	978.2		mg/Kg		98	70 - 130		
		LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	89		70 - 130								
Lab Sample ID: LCSD 88	0-907/3-A				C	lient Sa	mple	ID: Lat			
Matrix: Solid									Prep Ty		
Analysis Batch: 939										o Batch	
			Spike		LCSD				%Rec.		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1001	*1	mg/Kg		100	70 - 130	25	20
Diesel Range Organics (Over C10-C28)			1000	845.6		mg/Kg		85	70 - 130	15	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
o-Terphenyl	74		70 - 130								
Lab Sample ID: 890-402- Matrix: Solid	1 MS							С	lient Sam		
Analysis Batch: 939									Prep Ty Prep	be. Tot b Batch	
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F1	1000	273.5	F1	mg/Kg		27	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	215.6	F1	mg/Kg		22	70 - 130		
,	MS	MS									
Surrogate	%Recovery		Limits								
1-Chlorooctane		<u>S1-</u>	70 - 130								
o-Terphenyl		S1-	70 - 130								
 Lab Sample ID: 890-402-	1 MSD							C	lient Sam	ple ID:	CS-1
Matrix: Solid	-							-	Prep Ty		
Analysis Batch: 939										Batch	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10		U *1 F1	997	304.6		mg/Kg		31	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	177.5	F1	mg/Kg		18	70 - 130	19	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

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Job ID: 890-402-1

SDG: Eddy NM

1-Chlorooctane

o-Terphenyl

22 S1-

15 S1-

70 - 130

70 - 130

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Job ID: 890-402-1 SDG: Eddy NM

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Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

			•		/ (
Lab Sample ID: MB 880-90 Matrix: Solid)8/1-A									•	Client Sam	ole ID: M Prep Ty		
Analysis Batch: 946												Pre	p Batc	:h: 90
		MB	MB											
Analyte	Re	sult	Qualifier		RL	I	MDL	Unit		D	Prepared	Analy	zed	Dil Fa
Basoline Range Organics	<	50.0	U		50.0			mg/K	g		03/26/21 14:06	03/27/21	13:23	
GRO)-C6-C10														
iesel Range Organics (Over	<:	50.0	U	ţ	50.0			mg/K	g		03/26/21 14:06	03/27/21	13:23	
210-C28)	C)			,	- 0 0						02/00/04 44:00	00/07/04	40.00	
Il Range Organics (Over C28-C3		50.0			50.0			mg/K			03/26/21 14:06			
otal TPH	<	50.0	U	ţ	50.0			mg/K	g		03/26/21 14:06	03/27/21	13:23	
		MB	МВ											
urrogate	%Reco	very	Qualifier	Limit	ts						Prepared	Analy	zed	Dil Fa
-Chlorooctane		84		70 - 1	30						03/26/21 14:06	03/27/21	13:23	
-Terphenyl		81		70 - 1	30						03/26/21 14:06	03/27/21	13:23	
ab Sample ID: LCS 880-9.	08/2-A								Cli	ent	Sample ID:			
Aatrix: Solid												Prep Ty	pe: To	otal/N
Analysis Batch: 946												Pre	p Batc	:h: 90
				Spike		LCS	LCS					%Rec.		
nalyte				Added		Result	Qua	lifier	Unit		D %Rec	Limits		
Basoline Range Organics				1000		1264			mg/Kg		126	70 - 130		
GRO)-C6-C10				1000										
iesel Range Organics (Over 10-C28)				1000		833.5			mg/Kg		83	70 - 130		
510-028)														
	LCS	LCS												
urrogate	%Recovery	Qua	lifier	Limits										
-Chlorooctane	98			70 - 130										
-Terphenyl	85			70 - 130										
ab Sample ID: LCSD 880	009/2 4							~	lient C			Control	Comm	I. D.
Ab Sample ID. LCSD 860	-900/3-A							U U	ment 3	dIII	ple ID: Lab			
Analysis Batch: 946												Prep Ty	pe. To p Batc	
Analysis Batch. 940				Spike		LCSD	109	п				%Rec.	μΒαιυ	RP
nalyte				Added		Result			Unit		D %Rec	Limits	RPD	
asoline Range Organics				1000		1393			mg/Kg		<u>– 139</u> –	70 - 130	10	
GRO)-C6-C10				1000		1000			<u>ə</u> ,ə		100	100	10	4
Diesel Range Organics (Over				1000		856.0			mg/Kg		86	70 - 130	3	2
:10-C28)														
	LCSD	105	ס											
Surrogate	%Recovery			Limits										
-Chlorooctane	101	444		70 - 130										
-Terphenyl	85			70 - 130										
ethod: 300.0 - Anions	s, Ion Chro	oma	atograp	hy										
											Client Com		ام م ما 4 م ا	Dlaw
ab Sample ID: MB 880-79	96/1-A										Client Sam			
.ab Sample ID: MB 880-79 /atrix: Solid	96/1-A										chent Sam	Prep T		
.ab Sample ID: MB 880-79 Aatrix: Solid	96/1-A													
Lab Sample ID: MB 880-79 Matrix: Solid Analysis Batch: 800		МВ	MB Qualifier		RL		MDL				chent Sam			

03/24/21 10:34

Chloride

5.00

mg/Kg

<5.00 U

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880	-796/2-A					Clier	nt Sai	nple ID	: Lab Cor		
Matrix: Solid									Prep T	ype: So	oluble
Analysis Batch: 800			0	1.00	1.00				%Rec.		
Analyta			Spike Added		LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Analyte Chloride			250	270.0	Quaimer	mg/Kg		108	90 - 110		
-											
Lab Sample ID: LCSD 88 Matrix: Solid	0-796/3-A				C	lient Sa	mple	ID: Lab	Control Prep T		
Analysis Batch: 800											
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	270.5		mg/Kg		108	90 - 110	0	20
Lab Sample ID: 890-402-	9 MS							С	lient Sam	nle ID:	CS-9
Matrix: Solid								-	Prep T	-	
Analysis Batch: 800											
-	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	48.2		248	316.4		mg/Kg		108	90 - 110		
Lab Sample ID: 890-402-	9 MSD							С	lient Sam		
Matrix: Solid									Prep T	ype: So	oluble
Analysis Batch: 800	. .	<u> </u>	• "								
	Sample	Sample	Spike	MSD	MSD		_		%Rec.		RPD
A	•	0	A I. I A	D 14	O				1		
Chloride Lab Sample ID: MB 880-5	Result 48.2	Qualifier	- Added 248	Result 316.5	Qualifier	Unit mg/Kg	D Clie	MRec 108	Limits 90 - 110 Nple ID: M Prep Ty		20 Blank
Analyte Chloride Lab Sample ID: MB 880-5 Matrix: Solid Analysis Batch: 991	Result 48.2				Qualifier			108	90 - 110	ethod	20 Blank
Chloride Lab Sample ID: MB 880-9 Matrix: Solid Analysis Batch: 991	- Result 48.2 990/1-A	MB MB	248	316.5		mg/Kg	Clie	108 ent Sam	90 - 110 nple ID: M Prep Ty	0 ethod ype: So	Blank bluble
Chloride Lab Sample ID: MB 880-5 Matrix: Solid Analysis Batch: 991 Analyte	<u>Result</u> 48.2 990/1-A Re	MB MB esult Qua	248	316.5 RL	MDL Unit	mg/Kg	Clie	108	90 - 110 nple ID: M Prep T Analy:	0 ethod ype: So zed	20 Blank bluble Dil Fac
Chloride Lab Sample ID: MB 880- Matrix: Solid	<u>Result</u> 48.2 990/1-A Re	MB MB	248	316.5		mg/Kg	Clie	108 ent Sam	90 - 110 nple ID: M Prep Ty	0 ethod ype: So zed	20 Blank
Chloride Lab Sample ID: MB 880-5 Matrix: Solid Analysis Batch: 991 Analyte	<u>Result</u> 48.2 990/1-A <u>Re</u> <	MB MB esult Qua	248	316.5 RL	MDL Unit	mg/Kg	Clie	108 ent Sam	90 - 110 nple ID: M Prep T Analy:	0 ethod bype: So zed 13:09	20 Blank Dluble Dil Fac
Chloride Lab Sample ID: MB 880- Matrix: Solid Analysis Batch: 991 Analyte Chloride	<u>Result</u> 48.2 990/1-A <u>Re</u> <	MB MB esult Qua	248	316.5 RL	MDL Unit	mg/Kg	Clie	108 ent Sam	90 - 110 ple ID: M Prep T 	ethod l ype: So zed 13:09	Blank bluble Dil Fac 1 ample
Chloride Lab Sample ID: MB 880-9 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880	<u>Result</u> 48.2 990/1-A <u>Re</u> <	MB MB esult Qua	248	316.5 RL	MDL Unit	mg/Kg	Clie	108 ent Sam	90 - 110 ple ID: M Prep Ty 	ethod l ype: So zed 13:09	Blank bluble Dil Fac 1 ample
Chloride Lab Sample ID: MB 880-9 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid	<u>Result</u> 48.2 990/1-A <u>Re</u> <	MB MB esult Qua	248 ifier Spike	316.5 RL 5.00	MDL Unit	mg/Kg	Clie	108 ent Sam repared mple ID	90 - 110 pie ID: M Prep Ty 	ethod l ype: So zed 13:09	Blank bluble Dil Fac 1 ample
Chloride Lab Sample ID: MB 880-S Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte	<u>Result</u> 48.2 990/1-A <u>Re</u> <	MB MB esult Qua	248 lifier Spike Added	316.5 RL 5.00 LCS Result	MDL Unit	g Clier Unit	Clie	108 ent Sam repared mple ID	90 - 110 pie ID: M Prep Ty 03/29/21 C: Lab Cor Prep Ty %Rec. Limits	ethod l ype: So zed 13:09	Blank bluble Dil Fac 1 ample
Chloride Lab Sample ID: MB 880-S Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991	<u>Result</u> 48.2 990/1-A <u>Re</u> <	MB MB esult Qua	248 ifier Spike	316.5 RL 5.00 LCS	MDL Unit mg/K	g Clier	Clie P nt Sai	108 ent Sam repared mple ID	90 - 110 pie ID: M Prep Ty 	ethod l ype: So zed 13:09	Blank bluble Dil Fac 1 ample
Chloride Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride	Result 48.2 990/1-A 	MB MB esult Qua	248 lifier Spike Added	316.5 RL 5.00 LCS Result	MDL Unit mg/K LCS Qualifier	g Clier Unit mg/Kg	Clie <u>P</u> nt Sai	108 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 pie ID: M Prep Ty 03/29/21 C: Lab Cor Prep Ty %Rec. Limits 90 - 110	ethod ype: So zed 13:09 htrol Sa ype: So	Dil Fac
Chloride Lab Sample ID: MB 880-S Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte	Result 48.2 990/1-A 	MB MB esult Qua	248 lifier Spike Added	316.5 RL 5.00 LCS Result	MDL Unit mg/K LCS Qualifier	g Clier Unit mg/Kg	Clie <u>P</u> nt Sai	108 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 ple ID: M Prep Ty 	ethod ype: So zed 13:09 htrol Sa ype: So Sample	Dil Fac 1 ample bluble
Chloride Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88	Result 48.2 990/1-A 	MB MB esult Qua	248 lifier Spike Added	316.5 RL 5.00 LCS Result	MDL Unit mg/K LCS Qualifier	g Clier Unit mg/Kg	Clie <u>P</u> nt Sai	108 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 pie ID: M Prep Ty 03/29/21 C: Lab Cor Prep Ty %Rec. Limits 90 - 110	ethod ype: So zed 13:09 htrol Sa ype: So Sample	Dil Fac 1 ample oluble
Chloride Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid	Result 48.2 990/1-A 	MB MB esult Qua	248 lifier Spike Added	RL 5.00 LCS Result 273.0	MDL Unit mg/K LCS Qualifier	g Clier Unit mg/Kg	Clie <u>P</u> nt Sai	108 ent Sam repared mple ID <u>%Rec</u> 109	90 - 110 ple ID: M Prep Ty 	ethod ype: So zed 13:09 htrol Sa ype: So Sample	Dil Fac 1 ample bluble
Chloride Lab Sample ID: MB 880-S Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analysis Batch: 991	Result 48.2 990/1-A 	MB MB esult Qua	248 iffier Spike Added 250 Spike Added	316.5 RL 5.00 LCS Result 273.0 LCSD Result	MDL Unit mg/K LCS Qualifier	g Clien Unit mg/Kg Client Sau Unit	Clie <u>P</u> nt Sai	108 ent Sam repared mple ID <u>%Rec</u> 109 ID: Lak	90 - 110 ple ID: M Prep Ty 03/29/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110 0 Control Prep Ty %Rec. Limits	ethod ype: So zed 13:09 htrol Sa ype: So Sample ype: So RPD	Dil Fac 1 ample oluble
Chloride Lab Sample ID: MB 880-S Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991	Result 48.2 990/1-A 	MB MB esult Qua	248 iifier Spike Added 250 Spike	316.5 RL 5.00 LCS Result 273.0 LCSD	MDL Unit mg/K LCS Qualifier	g Clien Unit mg/Kg Client Sar	Clie	108 ent Sam repared mple ID <u>%Rec</u> 109 ID: Lak	90 - 110 ple ID: M Prep Ty 03/29/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110 0 Control Prep Ty %Rec.	ethod ype: So zed 13:09 - ntrol Sa ype: So Sample ype: So	E Dup pluble mple pluble
Chloride Lab Sample ID: MB 880-S Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Chloride	Result 48.2 990/1-A 	MB MB esult Qua	248 iffier Spike Added 250 Spike Added	316.5 RL 5.00 LCS Result 273.0 LCSD Result	MDL Unit mg/K LCS Qualifier	g Clien Unit mg/Kg Client Sau Unit	Clie	108 ent Sam repared mple ID <u>%Rec</u> 109 ID: Lat <u>%Rec</u> 110	90 - 110 ple ID: M Prep Ty 03/29/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110 0 Control Prep Ty %Rec. Limits 90 - 110	0 ethod ype: So zed 13:09 ntrol Sa ype: So Sample ype: So0	Dil Fac 1 ample oluble e Dup oluble RPD Limit 20
Chloride Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: 890-402-	Result 48.2 990/1-A 	MB MB esult Qua	248 iffier Spike Added 250 Spike Added	316.5 RL 5.00 LCS Result 273.0 LCSD Result	MDL Unit mg/K LCS Qualifier	g Clien Unit mg/Kg Client Sau Unit	Clie	108 ent Sam repared mple ID <u>%Rec</u> 109 ID: Lat <u>%Rec</u> 110	90 - 110 ple ID: M Prep Ty 03/29/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110 0 Control Prep Ty %Rec. Limits 90 - 110 lient Sam	0 ethod ype: Sc trol Sa ype: Sc Sample ype: Sc RPD0 ple ID:	E Dup pilble pilble pilble pible pible sw-6
Chloride Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: 890-402- Matrix: Solid	Result 48.2 990/1-A 	MB MB esult Qua	248 iffier Spike Added 250 Spike Added	316.5 RL 5.00 LCS Result 273.0 LCSD Result	MDL Unit mg/K LCS Qualifier	g Clien Unit mg/Kg Client Sau Unit	Clie	108 ent Sam repared mple ID <u>%Rec</u> 109 ID: Lat <u>%Rec</u> 110	90 - 110 ple ID: M Prep Ty 03/29/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110 0 Control Prep Ty %Rec. Limits 90 - 110	0 ethod ype: Sc trol Sa ype: Sc Sample ype: Sc RPD0 ple ID:	Blank bluble Dil Fac 1 ample bluble e Dup bluble RPD Limit 20 SW-6
Chloride Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: 890-402-	Result 48.2 990/1-A 	MB MB esult Qua	248 iffier Spike Added 250 Spike Added	RL 5.00 LCS Result 273.0 LCSD Result 274.2	MDL Unit mg/K LCS Qualifier	g Clien Unit mg/Kg Client Sau Unit	Clie	108 ent Sam repared mple ID <u>%Rec</u> 109 ID: Lat <u>%Rec</u> 110	90 - 110 ple ID: M Prep Ty 03/29/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110 0 Control Prep Ty %Rec. Limits 90 - 110 lient Sam	0 ethod ype: Sc trol Sa ype: Sc Sample ype: Sc RPD0 ple ID:	Dil Fac 1 ample oluble e Dup oluble RPD Limit 20
Chloride Lab Sample ID: MB 880-3 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCS 880 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 991 Analyte Chloride Lab Sample ID: 890-402- Matrix: Solid	Result 48.2 990/1-A 	MB MB sult Qual 5.00 U	248 iffier Added 250 Spike Added 250	RL 5.00 LCS Result 273.0 LCSD Result 274.2	MDL Unit mg/K LCS Qualifier	g Clien Unit mg/Kg Client Sau Unit	Clie	108 ent Sam repared mple ID <u>%Rec</u> 109 ID: Lat <u>%Rec</u> 110	90 - 110 ple ID: M Prep Ty 03/29/21 2: Lab Cor Prep Ty %Rec. Limits 90 - 110 0 Control Prep Ty %Rec. Limits 90 - 110 lient Sam Prep Ty	0 ethod ype: Sc trol Sa ype: Sc Sample ype: Sc RPD0 ple ID:	Dil Fac 1 ample oluble e Dup oluble RPD Limit 20

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Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H Job ID: 890-402-1 SDG: Eddy NM

Method: 300.0 - Anions, Ion Chromatography

Matrix: Solid												
Analysis Batch: 991 Analyte		Sample Qualifier	Spike Added		MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride			249	652.9		mg/Kg		105	90 - 110	0	20	
												j

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

GC VOA

Prep Batch: 1052

Prep Batch: 1052					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-402-21	SW-7	Total/NA	Solid	5035	
MB 880-1052/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1052/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1052/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 105	3				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-402-21	SW-7	Total/NA	Solid	8021B	1052
MB 880-1052/5-A	Method Blank	Total/NA	Solid	8021B	1052

Total/NA

Total/NA

Solid

Solid

LCSD 880-1052/2-A Prep Batch: 1075

LCS 880-1052/1-A

Lab Control Sample

Lab Control Sample Dup

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-402-1	CS-1	Total/NA	Solid	5035	
890-402-2	CS-2	Total/NA	Solid	5035	
890-402-3	CS-3	Total/NA	Solid	5035	
890-402-4	CS-4	Total/NA	Solid	5035	
890-402-5	CS-5	Total/NA	Solid	5035	
890-402-6	CS-6	Total/NA	Solid	5035	
890-402-7	CS-7	Total/NA	Solid	5035	
890-402-8	CS-8	Total/NA	Solid	5035	
890-402-9	CS-9	Total/NA	Solid	5035	
890-402-10	CS-10	Total/NA	Solid	5035	
890-402-11	CS-11	Total/NA	Solid	5035	
890-402-12	CS-12	Total/NA	Solid	5035	
890-402-13	CS-13	Total/NA	Solid	5035	
890-402-14	CS-14	Total/NA	Solid	5035	
890-402-15	SW-1	Total/NA	Solid	5035	
890-402-16	SW-2	Total/NA	Solid	5035	
890-402-17	SW-3	Total/NA	Solid	5035	
890-402-18	SW-4	Total/NA	Solid	5035	
890-402-19	SW-5	Total/NA	Solid	5035	
890-402-20	SW-6	Total/NA	Solid	5035	
MB 880-1075/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1075/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1075/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-402-1 MS	CS-1	Total/NA	Solid	5035	
890-402-1 MSD	CS-1	Total/NA	Solid	5035	

Analysis Batch: 1080

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-402-1	CS-1	Total/NA	Solid	8021B	1075
890-402-2	CS-2	Total/NA	Solid	8021B	1075
890-402-3	CS-3	Total/NA	Solid	8021B	1075
890-402-4	CS-4	Total/NA	Solid	8021B	1075
890-402-5	CS-5	Total/NA	Solid	8021B	1075
890-402-6	CS-6	Total/NA	Solid	8021B	1075
890-402-7	CS-7	Total/NA	Solid	8021B	1075
890-402-8	CS-8	Total/NA	Solid	8021B	1075
890-402-9	CS-9	Total/NA	Solid	8021B	1075

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1052

1052

8021B

8021B

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Job ID: 890-402-1 SDG: Eddy NM

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

GC VOA (Continued)

Analysis Batch: 1080 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-402-10	CS-10	Total/NA	Solid	8021B	1075
890-402-11	CS-11	Total/NA	Solid	8021B	1075
890-402-12	CS-12	Total/NA	Solid	8021B	1075
890-402-13	CS-13	Total/NA	Solid	8021B	1075
890-402-14	CS-14	Total/NA	Solid	8021B	1075
890-402-15	SW-1	Total/NA	Solid	8021B	1075
890-402-16	SW-2	Total/NA	Solid	8021B	1075
890-402-17	SW-3	Total/NA	Solid	8021B	1075
890-402-18	SW-4	Total/NA	Solid	8021B	1075
890-402-19	SW-5	Total/NA	Solid	8021B	1075
890-402-20	SW-6	Total/NA	Solid	8021B	1075
MB 880-1075/5-A	Method Blank	Total/NA	Solid	8021B	1075
LCS 880-1075/1-A	Lab Control Sample	Total/NA	Solid	8021B	1075
LCSD 880-1075/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1075
890-402-1 MS	CS-1	Total/NA	Solid	8021B	1075
890-402-1 MSD	CS-1	Total/NA	Solid	8021B	1075

GC Semi VOA

Prep Batch: 907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
390-402-1	CS-1	Total/NA	Solid	8015NM Prep	
390-402-2	CS-2	Total/NA	Solid	8015NM Prep	
390-402-3	CS-3	Total/NA	Solid	8015NM Prep	
390-402-4	CS-4	Total/NA	Solid	8015NM Prep	
890-402-5	CS-5	Total/NA	Solid	8015NM Prep	
390-402-6	CS-6	Total/NA	Solid	8015NM Prep	
390-402-7	CS-7	Total/NA	Solid	8015NM Prep	
890-402-8	CS-8	Total/NA	Solid	8015NM Prep	
390-402-9	CS-9	Total/NA	Solid	8015NM Prep	
390-402-10	CS-10	Total/NA	Solid	8015NM Prep	
390-402-11	CS-11	Total/NA	Solid	8015NM Prep	
390-402-12	CS-12	Total/NA	Solid	8015NM Prep	
390-402-13	CS-13	Total/NA	Solid	8015NM Prep	
390-402-14	CS-14	Total/NA	Solid	8015NM Prep	
90-402-15	SW-1	Total/NA	Solid	8015NM Prep	
390-402-16	SW-2	Total/NA	Solid	8015NM Prep	
90-402-17	SW-3	Total/NA	Solid	8015NM Prep	
90-402-18	SW-4	Total/NA	Solid	8015NM Prep	
390-402-19	SW-5	Total/NA	Solid	8015NM Prep	
390-402-20	SW-6	Total/NA	Solid	8015NM Prep	
MB 880-907/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
CS 880-907/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
_CSD 880-907/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
390-402-1 MS	CS-1	Total/NA	Solid	8015NM Prep	
390-402-1 MSD	CS-1	Total/NA	Solid	8015NM Prep	

Lab Sample ID **Client Sample ID** Prep Type Matrix Method **Prep Batch** 890-402-21 SW-7 Total/NA Solid 8015NM Prep MB 880-908/1-A Method Blank Total/NA Solid 8015NM Prep

Job ID: 890-402-1 SDG: Eddy NM

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Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

GC Semi VOA (Continued)

Prep Batch: 908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-908/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 939

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-402-1	CS-1	Total/NA	Solid	8015B NM	907
890-402-2	CS-2	Total/NA	Solid	8015B NM	907
890-402-3	CS-3	Total/NA	Solid	8015B NM	907
890-402-4	CS-4	Total/NA	Solid	8015B NM	907
890-402-5	CS-5	Total/NA	Solid	8015B NM	907
890-402-6	CS-6	Total/NA	Solid	8015B NM	907
890-402-7	CS-7	Total/NA	Solid	8015B NM	907
890-402-8	CS-8	Total/NA	Solid	8015B NM	907
890-402-9	CS-9	Total/NA	Solid	8015B NM	907
890-402-10	CS-10	Total/NA	Solid	8015B NM	907
890-402-11	CS-11	Total/NA	Solid	8015B NM	907
890-402-12	CS-12	Total/NA	Solid	8015B NM	907
890-402-13	CS-13	Total/NA	Solid	8015B NM	907
890-402-14	CS-14	Total/NA	Solid	8015B NM	907
890-402-15	SW-1	Total/NA	Solid	8015B NM	907
890-402-16	SW-2	Total/NA	Solid	8015B NM	907
890-402-17	SW-3	Total/NA	Solid	8015B NM	907
890-402-18	SW-4	Total/NA	Solid	8015B NM	907
890-402-19	SW-5	Total/NA	Solid	8015B NM	907
890-402-20	SW-6	Total/NA	Solid	8015B NM	907
MB 880-907/1-A	Method Blank	Total/NA	Solid	8015B NM	907
LCS 880-907/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	907
LCSD 880-907/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	907
890-402-1 MS	CS-1	Total/NA	Solid	8015B NM	907
890-402-1 MSD	CS-1	Total/NA	Solid	8015B NM	907

Analysis Batch: 946

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-402-21	SW-7	Total/NA	Solid	8015B NM	908
MB 880-908/1-A	Method Blank	Total/NA	Solid	8015B NM	908
LCS 880-908/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	908
LCSD 880-908/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	908

HPLC/IC

Leach Batch: 796

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-402-1	CS-1	Soluble	Solid	DI Leach	
890-402-2	CS-2	Soluble	Solid	DI Leach	
890-402-3	CS-3	Soluble	Solid	DI Leach	
890-402-4	CS-4	Soluble	Solid	DI Leach	
890-402-5	CS-5	Soluble	Solid	DI Leach	
890-402-6	CS-6	Soluble	Solid	DI Leach	
890-402-7	CS-7	Soluble	Solid	DI Leach	
890-402-8	CS-8	Soluble	Solid	DI Leach	
890-402-9	CS-9	Soluble	Solid	DI Leach	

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Job ID: 890-402-1 SDG: Eddy NM

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

HPLC/IC (Continued)

Leach Batch: 796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-402-10	CS-10	Soluble	Solid	DI Leach	
890-402-11	CS-11	Soluble	Solid	DI Leach	
890-402-12	CS-12	Soluble	Solid	DI Leach	
890-402-13	CS-13	Soluble	Solid	DI Leach	
890-402-14	CS-14	Soluble	Solid	DI Leach	
890-402-15	SW-1	Soluble	Solid	DI Leach	
890-402-16	SW-2	Soluble	Solid	DI Leach	
890-402-17	SW-3	Soluble	Solid	DI Leach	
890-402-18	SW-4	Soluble	Solid	DI Leach	
MB 880-796/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-796/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-796/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-402-9 MS	CS-9	Soluble	Solid	DI Leach	
890-402-9 MSD	CS-9	Soluble	Solid	DI Leach	

Analysis Batch: 800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-402-1	CS-1	Soluble	Solid	300.0	796
890-402-2	CS-2	Soluble	Solid	300.0	796
890-402-3	CS-3	Soluble	Solid	300.0	796
890-402-4	CS-4	Soluble	Solid	300.0	796
890-402-5	CS-5	Soluble	Solid	300.0	796
890-402-6	CS-6	Soluble	Solid	300.0	796
890-402-7	CS-7	Soluble	Solid	300.0	796
890-402-8	CS-8	Soluble	Solid	300.0	796
890-402-9	CS-9	Soluble	Solid	300.0	796
890-402-10	CS-10	Soluble	Solid	300.0	796
890-402-11	CS-11	Soluble	Solid	300.0	796
890-402-12	CS-12	Soluble	Solid	300.0	796
890-402-13	CS-13	Soluble	Solid	300.0	796
890-402-14	CS-14	Soluble	Solid	300.0	796
890-402-15	SW-1	Soluble	Solid	300.0	796
890-402-16	SW-2	Soluble	Solid	300.0	796
890-402-17	SW-3	Soluble	Solid	300.0	796
890-402-18	SW-4	Soluble	Solid	300.0	796
MB 880-796/1-A	Method Blank	Soluble	Solid	300.0	796
LCS 880-796/2-A	Lab Control Sample	Soluble	Solid	300.0	796
LCSD 880-796/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	796
890-402-9 MS	CS-9	Soluble	Solid	300.0	796
890-402-9 MSD	CS-9	Soluble	Solid	300.0	796

Leach Batch: 990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-402-19	SW-5	Soluble	Solid	DI Leach	
890-402-20	SW-6	Soluble	Solid	DI Leach	
890-402-21	SW-7	Soluble	Solid	DI Leach	
MB 880-990/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-990/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-990/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-402-20 MS	SW-6	Soluble	Solid	DI Leach	
890-402-20 MSD	SW-6	Soluble	Solid	DI Leach	

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Job ID: 890-402-1 SDG: Eddy NM

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H Job ID: 890-402-1 SDG: Eddy NM

HPLC/IC

Analysis Batch: 991

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
90-402-19	SW-5	Soluble	Solid	300.0	990
90-402-20	SW-6	Soluble	Solid	300.0	990
90-402-21	SW-7	Soluble	Solid	300.0	990
IB 880-990/1-A	Method Blank	Soluble	Solid	300.0	990
CS 880-990/2-A	Lab Control Sample	Soluble	Solid	300.0	990
CSD 880-990/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	990
90-402-20 MS	SW-6	Soluble	Solid	300.0	990
0-402-20 MSD	SW-6	Soluble	Solid	300.0	990

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Job ID: 890-402-1 SDG: Eddy NM

Matrix: Solid

Lab Sample ID: 890-402-1 Matrix: Solid

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Client: ConocoPhillips Co.

Project/Site: King Tut Fed 1H

Client Sample ID: CS-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 21:06	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 12:27	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		5	800	03/24/21 11:09	СН	XM
lient Sam	ple ID: CS-	-2					La	b Sample ID: 890-402

Client Sample ID: CS-2 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 21:26	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 13:31	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		5	800	03/24/21 11:14	СН	XM

Client Sample ID: CS-3 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 21:47	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 13:53	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		5	800	03/24/21 11:19	СН	XM

Client Sample ID: CS-4 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 22:08	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 14:15	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		5	800	03/24/21 11:34	СН	XM

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Lab Sample ID: 890-402-3 Matrix: Solid

Lab Sample ID: 890-402-4

Matrix: Solid

Released to Imaging: 7/8/2021 3:32:53 PM

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Job ID: 890-402-1 SDG: Eddy NM

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-402-5 Matrix: Solid

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Client: ConocoPhillips Co.

Project/Site: King Tut Fed 1H

Client Sample ID: CS-5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 22:28	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 14:36	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		5	800	03/24/21 11:39	СН	XM

Client Sample ID: CS-6 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 22:49	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 14:57	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		5	800	03/24/21 11:44	СН	XM

Client Sample ID: CS-7 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 23:10	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 15:19	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 11:49	СН	XM

Client Sample ID: CS-8 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 23:31	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 15:40	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 11:54	СН	XM

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Lab Sample ID: 890-402-7

Lab Sample ID: 890-402-8 Matrix: Solid

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Released to Imaging: 7/8/2021 3:32:53 PM

Job ID: 890-402-1 SDG: Eddy NM

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-402-9 Matrix: Solid

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Client: ConocoPhillips Co.

Project/Site: King Tut Fed 1H

Client Sample ID: CS-9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/30/21 23:51	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 16:01	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 11:59	СН	XM

Client Sample ID: CS-10 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 00:12	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 16:22	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 12:14	СН	XM

Client Sample ID: CS-11 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 01:36	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 17:04	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 12:19	СН	XM

Client Sample ID: CS-12 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 01:57	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 17:25	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 12:34	СН	XM

Lab Sample ID: 890-402-12

Lab Sample ID: 890-402-11

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-13 Matrix: Solid

Lab Sample ID: 890-402-14

Matrix: Solid

Client Sample ID: CS-13 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Client: ConocoPhillips Co.

Project/Site: King Tut Fed 1H

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 02:18	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 17:46	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 12:39	СН	XM

Client Sample ID: CS-14 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 02:38	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 18:07	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 12:44	СН	XM

Client Sample ID: SW-1 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 02:59	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 18:28	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 12:49	СН	XM

Client Sample ID: SW-2 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 03:20	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 18:49	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 12:54	СН	XM

Lab Sample ID: 890-402-15 **Matrix: Solid**

Lab Sample ID: 890-402-16

Matrix: Solid

Eurofins Xenco, Carlsbad

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Job ID: 890-402-1 SDG: Eddy NM

Matrix: Solid

Lab Sample ID: 890-402-17 Matrix: Solid

Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

Client: ConocoPhillips Co.

Project/Site: King Tut Fed 1H

Client Sample ID: SW-3

p e ep alysis	Method 5035 8021B	Run	Factor			Analyst KL	- Lab XM
alysis						KL	XM
,	8021B		1	1000			
			•	1060	03/31/21 03:40	KL	XM
эр	8015NM Prep			907	03/26/21 13:48	DM	XM
alysis	8015B NM		1	939	03/27/21 19:10	AJ	XM
ach	DI Leach			796	03/24/21 08:52	СН	XM
alysis	300.0		1	800	03/24/21 12:59	СН	XM
	ach alysis	alysis 8015B NM ach DI Leach	alysis 8015B NM ach DI Leach alysis 300.0	alysis 8015B NM 1 ach DI Leach alysis 300.0 1	Image: Normal state Image: Normal state	Alysis8015B NM193903/27/2119:10achDI Leach79603/24/2108:52alysis300.0180003/24/2112:59	Alysis 8015B NM 1 939 03/27/21 19:10 AJ ach DI Leach 796 03/24/21 08:52 CH alysis 300.0 1 800 03/24/21 12:59 CH

Client Sample ID: SW-4 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 04:01	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 19:31	AJ	XM
Soluble	Leach	DI Leach			796	03/24/21 08:52	СН	XM
Soluble	Analysis	300.0		1	800	03/24/21 13:04	СН	XM

Client Sample ID: SW-5 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 04:22	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 19:52	AJ	XM
Soluble	Leach	DI Leach			990	03/29/21 10:13	СН	XM
Soluble	Analysis	300.0		1	991	03/29/21 14:29	СН	XM

Client Sample ID: SW-6 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1075	03/30/21 15:36	KL	XM
Total/NA	Analysis	8021B		1	1080	03/31/21 04:43	KL	XM
Total/NA	Prep	8015NM Prep			907	03/26/21 13:48	DM	XM
Total/NA	Analysis	8015B NM		1	939	03/27/21 20:13	AJ	XM
Soluble	Leach	DI Leach			990	03/29/21 10:13	СН	XM
Soluble	Analysis	300.0		1	991	03/29/21 14:34	СН	XM

Matrix: Solid

Lab Sample ID: 890-402-19

Lab Sample ID: 890-402-20

Matrix: Solid

Eurofins Xenco, Carlsbad

Released to Imaging: 7/8/2021 3:32:53 PM

Client Sample ID: SW-7 Date Collected: 03/17/21 00:00 Date Received: 03/19/21 11:28

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1052	03/30/21 09:18	KL	XM
Total/NA	Analysis	8021B		1	1053	03/30/21 15:27	KL	XM
Total/NA	Prep	8015NM Prep			908	03/26/21 14:06	DM	XM
Total/NA	Analysis	8015B NM		1	946	03/27/21 22:32	AJ	XM
Soluble	Leach	DI Leach			990	03/29/21 10:13	СН	XM
Soluble	Analysis	300.0		1	991	03/29/21 14:49	СН	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID: 890-402-21

Matrix: Solid

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Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H Job ID: 890-402-1 SDG: Eddy NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Pr	ogram	Identification Number	Expiration Date
exas	N	ELAP	T104704400-20-21	06-30-21
The following analytes	s are included in this repo	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for whic
the agency does not o	•		for contineer by the governing dutionty.	
• •	•	Matrix	Analyte	
the agency does not o	offer certification.			

3/31/2021

Method Summary

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H Job ID: 890-402-1 SDG: Eddy NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Eurofins Xenco, Carlsbad

Sample Summary

Client: ConocoPhillips Co. Project/Site: King Tut Fed 1H

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Job ID: 890-402-1 SDG: Eddy NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
890-402-1	CS-1	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-2	CS-2	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-3	CS-3	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-4	CS-4	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-5	CS-5	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-6	CS-6	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-7	CS-7	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-8	CS-8	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-9	CS-9	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-10	CS-10	Solid	03/17/21 00:00	03/19/21 11:28		
390-402-11	CS-11	Solid	03/17/21 00:00	03/19/21 11:28		
390-402-12	CS-12	Solid	03/17/21 00:00	03/19/21 11:28		
390-402-13	CS-13	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-14	CS-14	Solid	03/17/21 00:00	03/19/21 11:28		
390-402-15	SW-1	Solid	03/17/21 00:00	03/19/21 11:28		
390-402-16	SW-2	Solid	03/17/21 00:00	03/19/21 11:28		
390-402-17	SW-3	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-18	SW-4	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-19	SW-5	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-20	SW-6	Solid	03/17/21 00:00	03/19/21 11:28		
890-402-21	SW-7	Solid	03/17/21 00:00	03/19/21 11:28		

Eurofins Xenco, Carlsbad



Received by OCD: 4/22/2021 3:18:20 PM output to output t	Page 63 of 69 Alysis Rec
Sw-GS-12 Sw-	Page 63 of 69
SAMPLE IDENTIFICATION I Harris Date: Time: Date: Time: Date: Time: Date: Time:	7 Record 9
Received by:	Site Manager:
Date:	One Concho Center:600/Illinois Avenue/Midland, Texas Tel (432) 683-7443
# CONTAINERS (C)omposite/(G)rab	
Circle) HAND DELIVERED	
RUSH: Same Day Rush Charges Autho	Page
or TRRP Report 24 hr 48 hr 72 hr 40 00000000000000000000000000000000000	م م 3/3 12021

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				77							Sm - J	SAMPLE				tory:	ا ، Jacqui Harris		Kin	COG	ONCHO	alysis Request of Chain of Custody Record	2 3 4 5
	Date: Time:		Date: Time:	Zalin 11-0								SAMPLE IDEN IIFICA IION						e s	t real IH			ody Record	6 7 8 9
ORIGINAL COPY	Received by:		Received by:]					•	2	DATE TIME	YEAR:	SAMPLING		Sampler Name:		Project #:		Site Manager:			11 12 13
~	Date: Ti		Date: Ti	10-2							X	MATER SOIL HCL HNO ₃		MATRIX PRESERVATIVE METHOD		Jacqui Harris				Jacqui Harris	One Concho Center/600/Illinois Avenue/Nidland, Texas Tel (432) 683-7443		
	Time:		Time:									# CONTAI (C)omposil	NERS te/(G)	S Irab							Illinois		
(Circle) HAND DELIVERED			Sample Temperature	LAB USE ONLY								TPH 8015 BTEX 802 Chloride		GRO -	- DRO - M	IRO)							
FEDEX UPS Tracking #:	Special Report Limits or TRRP Report	Rush Charges Authorized	RUSH: Same Day	Standard																ST or Specify Method		Pa	
			24 hr 48 hr 72 hr	5 day								1 of 49								(CN b	3/3	Page 3 of 3	
Released	to Imag	ing:	7/8/	2021	31:32	53	PM			Pag	ĭ	4 of 48 Hold									J 0,0	11-021	

Eurofins Xenco, Carlsbad

Chain of Custody Record

13



Seurofins Environment Testing

Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199			l Cuat			Ē															America	
Client Information (Sub Contract Lab)	Sampler			Lab PM Krame	Lab PM Kramer, Jessica	<u>sica</u>						Carrie	Carrier Tracking No(s)	cking	No(s)				88	COC No: 890-120 1		
	Phone:			E-Mail jessic	E-Mail essica kramer@eurofinset col	her@	eurof	inset o	В			State New	State of Origin New Mexico	ig gi					Pap	Page: Page 1 of 3		
Company Eurofins Xenco					Accreditations Required (See note): NELAP - Texas	ations	Requir xas	ed (Se	e note)										88 ğ	Job # 890-402-1		
Address. 1211 W Florida Ave	Due Date Requested 3/26/2021	ä							Anal	alysis	Requested	lues	fed						P	Preservation Codes	· •	
City Midland	TAT Requested (days)	ıys).								<u>ا</u> ل								, M	ດ ຫ >	A HCL B NaOH C - Zn Acetate	M Hexane	
State, Zip: TX, 79701					ra Mait David da	TPH	<u> </u>										*****	t Turk	ていざいがわり	D - Nitric Acid E NaHSO4	P - Na2O4S Q - Na2SO3	
Phone [.] 432-704-5440(Tel)	PO #				Y na shi Angalar Angalar	D) Ful	de											,	2018-0318	F MeUH G - Amchlor H Associatio Asid	R Na2S203 S - H2SO4	
Email	WO #					p (MO	Chiori	L										5 16.20.	<u>د – :</u>	DI Water	V - MCAA	suai i yui av
Project Name: King Tut Fed 1H	Project #: 88000130				100 1000 2000	S_Pre	EACH	EX - L										ainer	ᄃᅐ	EDTA EDA	W pH 4-5 Z other (specify)	cify)
Site:	SSOW#:					015NM	D/DI_L	alc BT										of con	12011-1-1-19	Other [.]		
		Samnle	Sample Type	Matrix (^{W=water} S=solid,	d Filtered S form MS/M	MOD_NM/8	ORGFM_28	B/6036FP_0										l Number	<u> </u>			
Sample Identification - Client ID (Lab ID)	Sample Date	Time	6.8	<u> </u>	2 - 20/2000	801	300	80:		Irashed BL			lan and	- Contraction	And a second	S La Constantino de la Const	(manager	То	1	Special I	Special Instructions/Note:	Note:
CS-1 (890-402-1)	3/17/21	Mountain	Solid	Solid		×	×	×	-	and the second second		1. 1	1.7					1				
CS-2 (890-402-2)	3/17/21	Mountain		Solid		×	×	×										4				
CS-3 (890-402-3)	3/17/21	Mountain		Solid	_	×	×	×										-				
CS-4 (890-402-4)	3/17/21	Mountain		Solid		×	×	×									\neg	<u>_</u>				
CS-5 (890-402-5)	3/17/21	Mountain		Solid		×	×	×														
CS-6 (890-402-6)	3/17/21	Mountain		Solid		×	×	×										<u>.</u>	022			
CS-7 (890-402-7)	3/17/21	Mountain		Solid		×	×	×										<u>C 4</u> 0				
CS-8 (890-402-8)	3/17/21	Mountain		Solid		×	×	×											<u>97.36</u>			
CS-9 (890-402-9)	3/17/21	Mountain		Solid		×	×	×											San Caral San Cara Sa			
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laborat maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership being analyzed, the s urn the signed Chain	o of method and amples must be of Custody atte	alyte & accredit e shipped back sting to said co	ation complian to the Eurofins mplicance to E	ce upor Xenco urofins	i out st LLC la Xenco	ibcont Iborato	ract lab vry or of	oratories. her instruc	əs. Th tructio	is sam ns will	ple sh be pro	ipmer widec	ntis fo	nwaro r char	led u	o acc	chain	-of-c	ories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenri	oratory does no brought to Eurc	t currently fins Xenc
Possible Hazard Identification Unconfirmed					Sa	⊔npie Re	Disp sturn	Sample Disposal (A		e maj	be	assessed if san Disposal By Lab	ssed Isal l	if si	dure dure	les a	[]rer	eta <i>i</i> Arc	ned	fee may be assessed if samples are retained longer than 1 month)	1 month) Months	
Deliverable Requested 1 II III IV Other (specify)	Primary Deliverable Rank.	able Rank. 2			Sp	ecial I	nstru	Special Instructions/Q	/QC I	C Requirements	reme	nts.										
Empty Kit Relinquished by		Date			Time								Meth	Method of Shipment:	Ship	ment						
Relinquished by	Date/Time:		0 0	Company Company		Recei	Received by	2	Jul -		ß				Date	Date/Time;		2		LUDin	Company	
Relinquished by	Date/Time:		0	Company		Rece	Received by								Dat	Date/Time	œ				Company	
						Coole	r Tem	Cooler Temperature(s)		°C and Other Remarks.	ther R	emart	Şî		F							

Ver 11/01/2020

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199		Chain of	Custody Record	Reco	p						ಗಾ ಸ್ಥಿತಿ.	🐝 eurofins Envrom	Envronment ^T estn <i>ë</i> America	eceived by
Client Information (Sub Contract Lab)	Sampler		<u>× </u>	Lab PM Kramer Jes	Jessica			<u>U</u>	Carrier Tracking No(s)	Vo(s)	COC No ⁻ 890-120 2	02		y O (
	Phone			E-Mail Jessica kramer@eurofinset.com	er@eur	ofinset.cr	E E	<u>w</u> 2	State of Origin: New Mexico		Page Page 2 of	of 3		CD:
Company Eurofins Xenco					tions Req - Texas	Accreditations Required (See note) NELAP - Texas	note)				Job #: 890-402-1	2-1		4/22
Address. 1211 W Florida Ave	Due Date Requested 3/26/2021	pə					Analysis		Requested		Preserv △ HCI	Cod		2/20.
City Midland	TAT Requested (d	ays)									B NaO C Zn A	Zn Acetate O AsNaC	2 20	21 3.
State, Zip. TX, 79701	T				HqTI							0. O 0	Na204S Na2S03 Na2S03	:18:
Phone 432-704-5440(Tel)	;# Od			(6							G Amchlor H - Ascorbic	Acid T	4 odecahydrate	20 P
Email	,# OW					77						>>>	9	PM
Project Name: King Tut Fed 1H	Project #: 88000130					I - X3T					۷ ــ ۲	N	other (specify)	
Site	SSOW#:			21. 77.207		B olsO					o Other:			
		đ	mple ype comp,	≐ beretili∃ blei M\ZM miohe	00_066FM_28	0218/6036FP_					redmuN isto		ototo Alexandrian Alexandrian	
Sample Identification - Client ID (Lab ID)	sample Late		Preservation Code:	Ň	-	8							-90016	
00 10 (000 102 10)	KOLCHIE.	Konten	PIICS		X	X								
CS-11 (890-402-11)	3/17/21	Mountain	Solid		××	×					÷			
CS-12 (890-402-12)	3/17/21	Mountain	Solid		××	×					÷			
CS-13 (890-402-13)	3/17/21	Mountain	Solid		× ×	×								
CS-14 (890-402-14)	3/17/21	Mountain	Solid		× ×	×					÷	1		
SW-1 (890-402-15)	3/17/21	Mountain	Solid		× ×	×					÷.			
SW-2 (890-402-16)	3/17/21	Mountain	Solid		× ×	×					•			
SW-3 (890-402-17)	3/17/21	Mountain	Solid		× ×	×					*			
SW-4 (890-402-18)	3/17/21	Mountain	Solid		× ×	×					÷			
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte maintain accreditation in the State of Orgin listed above for analysis/itests/matrix being analyzed the samples must be ship LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting	C places the ownershi x being analyzed the eturn the signed Chain	p of method, analyt samples must be sh of Custody attestin	e & accreditation corr ipped back to the Eu ig to said complicance	ipliance upon rofins Xenco e to Eurofins >	out subco LC labora	intract labo atory or oth	ratories. 1 er instruct	This sample ions will be	shipment is for provided. Any	warded under changes to ac	chain-of-custody creditation status	& accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently peed back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco to said complicance to Eurofins Xenco LLC.	not currently urofins Xenco	
Possible Hazard Identification				Sar	Iple Dis	posal (.	A fee m	ay be as	sessed if sa	mples are	retained long	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Unconfirmed					Retur	Return To Client Disp	nt	ă]	Disposal By Lab		Archive For	Months	hs	
Deliverable Requested 1, II III, IV Other (specify)	Primary Deliverable Rank. 2	able Rank. 2		Spe	cial Inst	tructions/	QC Req	uiremenı						
Empty Kit Relinquished by		Date		Time					Method of Shipment:	Shipment:				
Reinquished by (1 up (J. J. S. 19.2)	Date/Time:		Company		Received by	Mi Ca	all a	and and a		Date/Time	21 11.6	ULI, W Company		
Relinquished by	Date/Time:		Company		Received by	þý.				Date/Time:		Company		1
Relinquished by:	Date/Time		Company		Received by	by				Date/Time:		Company		Page
Custody Seals Intact Custody Seal No					Coder Tel	Cooler Temperature(s) °C and Other Remarks.	s) °C and	Other Ren	arks.					<u>66 a</u>
												Ver 11/01/2020	01/2020	of 69
					4	3			9	8		4 5		1

Received by OCD: 4/22/2021 3:18:20 PM

3/31/2021

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Released to Imaging: 7/8/2021 3:32:53 PM

14

Login Sample Receipt Checklist

Client: ConocoPhillips Co.

Login Number: 402 List Number: 1 Creator: Clifton, Cloe

<6mm (1/4").

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Job Number: 890-402-1 SDG Number: Eddy NM

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: ConocoPhillips Co.

Login Number: 402 List Number: 2 Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

Job Number: 890-402-1 SDG Number: Eddy NM

List Source: Eurofins Midland

List Creation: 03/22/21 11:13 AM

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	25292
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	7/8/2021

Action 25292