

**DCP O'Connor GAS PLANT CND SITE
FORM 27 SUPPLEMENTAL SUMMARY REPORT
(Doc # 402388774)**

ATTACHMENTS

Tables

- 1 Summary of Soil Analytical Results

Figures

- 1 Site Location Map
- 2 Site Overview Map with Soil Sample Locations
- 3 Soil Sample Locations and Analytical Results

Appendices

- A Laboratory Analytical Reports
 - Origins Laboratory Job #: Y006320

TABLE 1
DCP MIDSTREAM - O'CONNOR 1 CND GAS PLANT
SOIL SAMPLE ANALYTICAL RESULTS SUMMARY TABLE

Sample ID	Date Sampled	PID Reading (PPM)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH (mg/kg) ²	Comments
BH06B @ 6'	6/18/2020	1,360	0.62	3.17	0.421	3.23	183	BH06 vertical confirmation
BH06B @ 7'	6/18/2020	89	0.0717	0.146	0.0117	0.0942	<50.0	BH06 vertical confirmation
COGCC standards for Soil (mg/kg)⁽¹⁾			0.17	85	100	175	500	

1). Standards for Soil are referenced from the 2 CCR 404-1, Table 910-1, effective January 30, 2015.

2). TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.

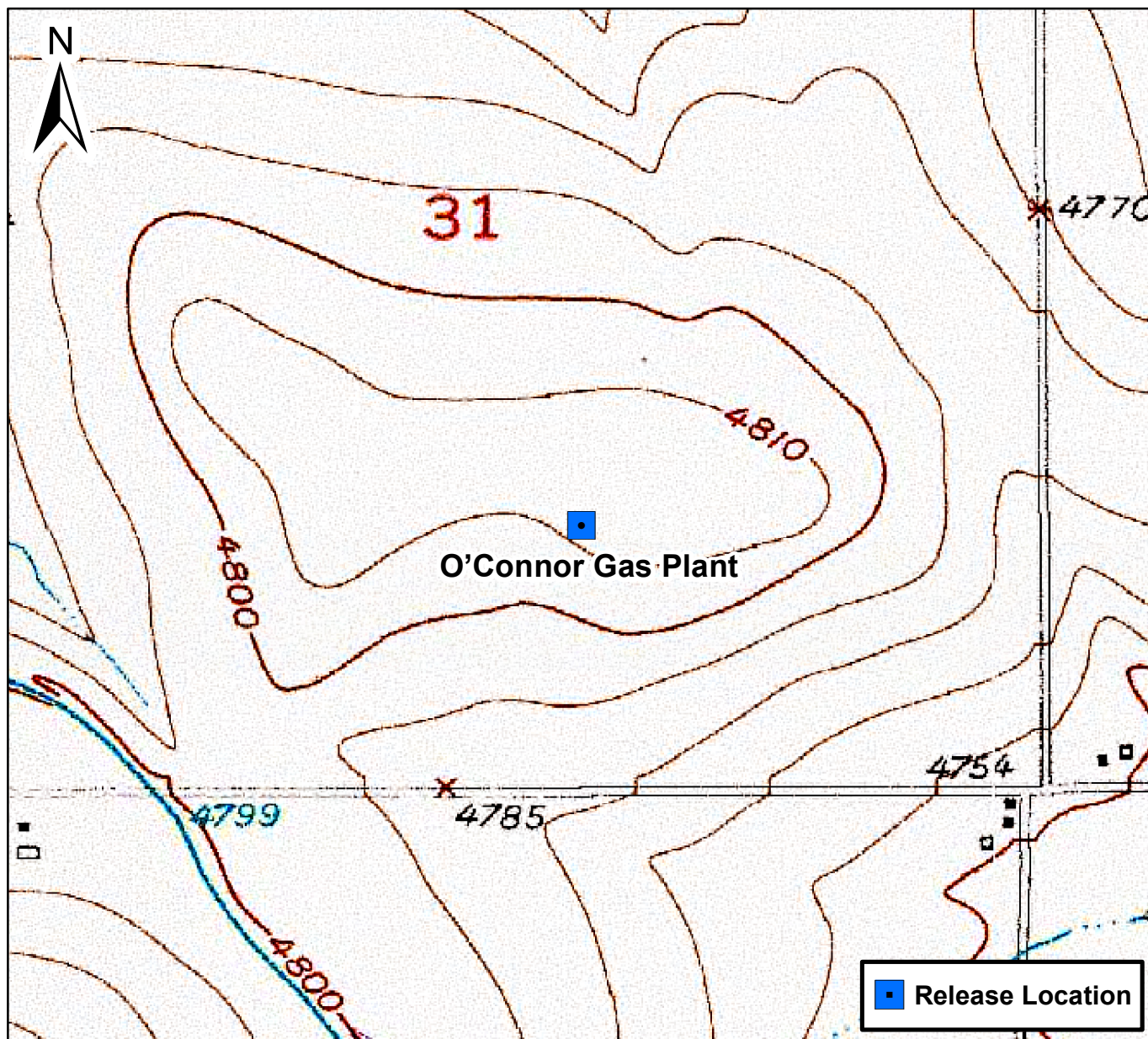
GRO - Gasoline range organics.

DRO - Diesel range organics.

mg/kg= Milligrams per kilogram.

PID - Photoionization Detector

ppm - Parts per million

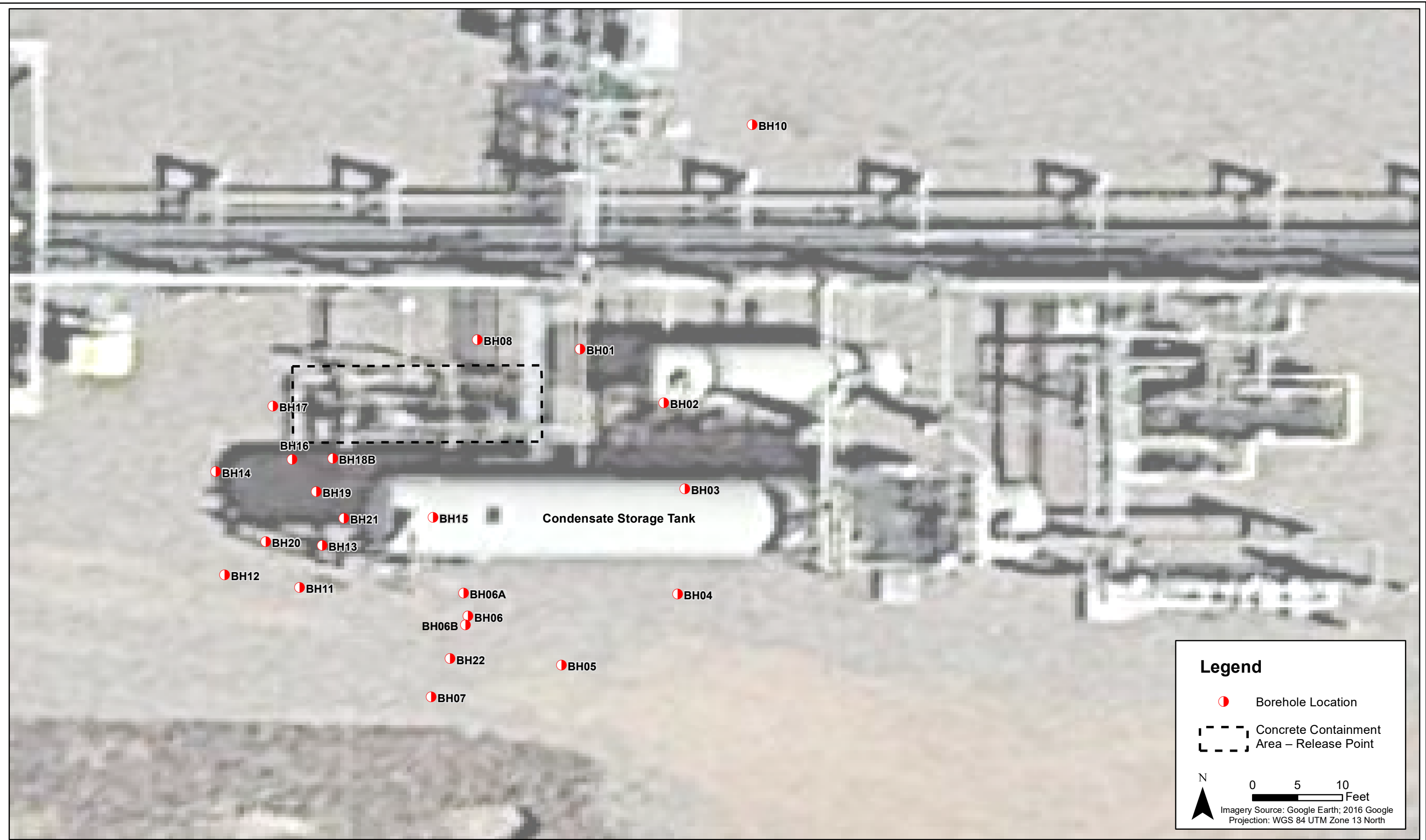


0 750 1,500 Feet

Figure 1

Site Location Map
O'Connor Gas Plant
SWSE S31 T5N R64W
Weld County, Colorado





DATE:	March 2020
DESIGNED BY:	B. Humphrey
DRAWN BY:	J. Clonts



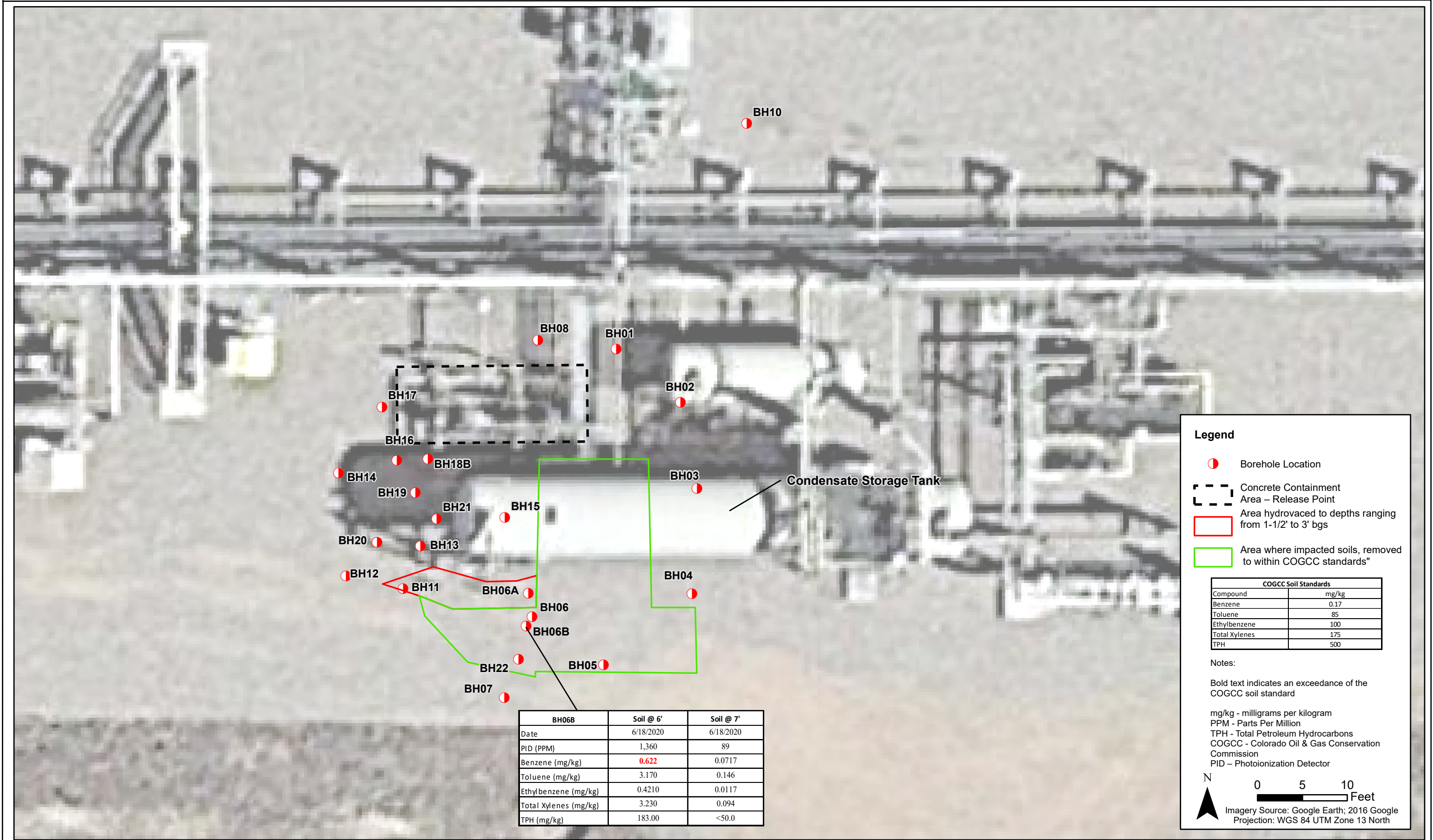
TASMAN
GEOSCIENCES

Tasman Geosciences, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Midstream
O'Connor Gas Plant
SWSE, Section 31, Township 5 North, Range 64 West
Weld County, Colorado

Site Overview
Map

Figure
2



DATE:	March 2020
DESIGNED BY:	B. Humphrey
DRAWN BY:	J. Clonts



TASMAN
GEOSCIENCES

Tasman Geosciences, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

**DCP Midstream
O'Connor Gas Plant**
SWSE, Section 31, Township 5 North, Range 64 West
Weld County, Colorado

Soil Sample
Locations

Figure
3



June 22, 2020

DCP Midstream

Chandler Cole

3026 4th Ave.

Greeley, CO 80631 CO 80631

Project Name - O'Connor 1

Project Number - 0000546422

Attached are your analytical results for O'Connor 1 received by Origins Laboratory, Inc. June 18, 2020. This project is associated with Origins project number Y006320-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO

80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH06B@6'	Y006320-01	Soil	June 18, 2020 10:15	06/18/2020 13:14
BH06B@7'	Y006320-02	Soil	June 18, 2020 10:30	06/18/2020 13:14

Origins Laboratory, Inc.



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Jordan A. Merrill For Noelle Doyle Mathis, President

DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y006320

Client: DCP

Client Project ID: O'Connor 1

Checklist Completed by: KDK

Shipped Via: HL
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 06-18-2020

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____

Cooler Number/Temperature: 01, 13.4 °C _____ / _____ °C _____ / _____ °C (Describe) _____ °C

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		Same Day
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Jm

Date/Time Reviewed 6-19-20

Origins Laboratory, Inc.

Jm

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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

BH06B@6'

6/18/2020 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y006320-01 (Soil)

BTEX/TVPH by EPA 8260D

Benzene	0.622	0.0500	mg/kg	25	B0F1801	KDK	06/18/2020	06/18/2020	
Toluene	3.17	0.0500	"	"	"	KDK	"	"	
Ethylbenzene	0.421	0.0500	"	"	"	KDK	"	"	
Xylenes, total	3.23	0.0500	"	"	"	KDK	"	"	
Gasoline Range Hydrocarbons	183	5.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	91.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Diesel Range Organics (DRO/TEPH) by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0F1802	TEM	06/18/2020	06/19/2020	U
Surrogate: o-Terphenyl	59.8 %	50-150			"	"	"	"	

Origins Laboratory, Inc.



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DCP Midstream
3026 4th Ave.
Greeley, CO 80631CO 80631

Chandler Cole
Project Number: 0000546422
Project: O'Connor 1

BH06B@7'

6/18/2020 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y006320-02 (Soil)

BTEX/TVPH by EPA 8260D

Benzene	0.0717	0.00200	mg/kg	1	B0F1801	KDK	06/18/2020	06/18/2020	
Toluene	0.146	0.00200	"	"	"	KDK	"	"	
Ethylbenzene	0.0117	0.00200	"	"	"	KDK	"	"	
Xylenes, total	0.0942	0.00200	"	"	"	KDK	"	"	
Gasoline Range Hydrocarbons	1.69	0.200	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	92.3 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	"	

Diesel Range Organics (DRO/TEPH) by EPA 8015D

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0F1802	TEM	06/18/2020	06/19/2020	U
Surrogate: o-Terphenyl	62.7 %	50-150			"	"	"	"	

Origins Laboratory, Inc.



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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0F1801 - EPA 5030 (soil)										
Blank (B0F1801-BLK1)					Prepared: 06/18/2020 Analyzed: 06/18/2020					
Benzene	ND	0.00200	mg/kg							U
Toluene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0F1801 - EPA 5030 (soil)

LCS (B0F1801-BS1)

Prepared: 06/18/2020 Analyzed: 06/18/2020

Benzene	0.0522	0.00200	mg/kg	0.0500		104	70-130			
Toluene	0.0469	0.00200	"	0.0500		93.8	70-130			
Ethylbenzene	0.0495	0.00200	"	0.0500		99.0	70-130			
m,p-Xylene	0.101	0.00400	"	0.100		101	70-130			
o-Xylene	0.0509	0.00200	"	0.0500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0F1801 - EPA 5030 (soil)

Matrix Spike (B0F1801-MS1)		Source: Y006305-01			Prepared: 06/18/2020 Analyzed: 06/18/2020					
Benzene	0.0598	0.00200	mg/kg	0.0500	ND	120	70-130			
Toluene	0.0497	0.00200	"	0.0500	ND	99.4	70-130			
Ethylbenzene	0.0526	0.00200	"	0.0500	ND	105	70-130			
m,p-Xylene	0.106	0.00400	"	0.100	ND	106	70-130			
o-Xylene	0.0523	0.00200	"	0.0500	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0F1801 - EPA 5030 (soil)

Matrix Spike Dup (B0F1801-MSD1)		Source: Y006305-01			Prepared: 06/18/2020 Analyzed: 06/18/2020					
Benzene	0.0586	0.00200	mg/kg	0.0500	ND	117	70-130	2.10	20	
Toluene	0.0483	0.00200	"	0.0500	ND	96.6	70-130	2.78	20	
Ethylbenzene	0.0509	0.00200	"	0.0500	ND	102	70-130	3.28	20	
m,p-Xylene	0.103	0.00400	"	0.100	ND	103	70-130	2.96	20	
o-Xylene	0.0504	0.00200	"	0.0500	ND	101	70-130	3.66	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0F1802 - EPA 3550B

Blank (B0F1802-BLK1)

Prepared: 06/18/2020 Analyzed: 06/18/2020

Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	37		"	50.0		73.9	50-150			

Origins Laboratory, Inc.



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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0F1802 - EPA 3550B

LCS (B0F1802-BS1)

Prepared: 06/18/2020 Analyzed: 06/18/2020

Diesel (C10-C28)	796	50.0	mg/kg	1000		79.6	70-130			
Surrogate: o-Terphenyl	34		"	50.0		67.8	50-150			

Origins Laboratory, Inc.



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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO

80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0F1802 - EPA 3550B

Matrix Spike (B0F1802-MS1)		Source: Y006305-01			Prepared: 06/18/2020 Analyzed: 06/18/2020					
Diesel (C10-C28)	840	50.0	mg/kg	1000	ND	84.0	70-130			
Surrogate: o-Terphenyl	39		"	50.0		78.5	50-150			

Origins Laboratory, Inc.



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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO

80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0F1802 - EPA 3550B

Matrix Spike Dup (B0F1802-MSD1)		Source: Y006305-01			Prepared: 06/18/2020 Analyzed: 06/18/2020					
Diesel (C10-C28)	980	50.0	mg/kg	1000	ND	98.0	70-130	15.4	35	
Surrogate: o-Terphenyl	35		"	50.0		69.8	50-150			

Origins Laboratory, Inc.



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DCP Midstream

3026 4th Ave.

Greeley, CO 80631CO 80631

Chandler Cole

Project Number: 0000546422

Project: O'Connor 1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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