DCP COAN AT-1-1 RELEASE
Initial Form 27 Remediation Workplan

ATTACHMENTS

Tables

Figures

Appendices

Table 1
Coan AT-1-1 Release
Table 915-1 VOCs and TPH Soil Sample Results
Weld County, Colorado

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	Naphthalene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	TPH (mg/kg)	Comments
COGCC Residential Soil Screening Level Standards (mg/kg)	-	-	-	**1.2**	**490**	**5.8**	**58**	**30**	**27**	**2**				**500**	
COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based [1 & 2] (mg/kg)	-	-	-	**0.0026**	**0.69**	**0.78**	**9.9**	**0.0081**	**0.0087**	**0.0038**	-	-	-	**500**	
Source@4.5'	04/18/2023	2304355	620.7	**23**	**34**	**7.3**	**60**	**15**	**6.2**	**3.3**	1,700	120	<50	**1,820**	Source Sample
Source@16'	04/18/2023	2304355	619.2	**0.044**	0.30	0.090	0.26	**0.56**	**0.18**	**0.13**	19	<50	<50	19	Overexcavated
Source@20'	4/20/2023	2304446	742.7	**4.3**	**27**	**8.5**	**44**	**22**	**7.0**	**5.1**	**1,400**	**4,300**	260	**5,960**	Overexcavated
Source@26'	4/20/2023	2304446	62.3	**0.026**	0.023	<0.0050	0.029	0.0077	<0.0050	**0.020**	0.69	<50	<50	0.69	Overexcavated
Source@35'	4/24/2023	2304517	141.2	**0.016**	<0.0050	<0.0050	0.026	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Overexcavated
Source@37'	4/25/2023	2304529	7.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Base Sample
SE-8'@14'	04/19/2023	2304392	161.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Overexcavated
SE-15'@14'	04/18/2023	2304355	105.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Southeast Sidewall (Originally Test Pit)
NE-12'@12'	04/19/2023	2304392	113.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Overexcavated
NE-14'@32'	5/3/2023	2305077	55.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Northeast Sidewall
NW-10'@6'	04/19/2023	2304392	313.9	**0.69**	**7.0**	**7.6**	**59**	**21**	**8.9**	**5.3**	1,000	750	54	**1,804**	Overexcavated
NW-12'@14'	4/20/2023	2304446	31.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Northwest Sidewall
NW-12'@32'	5/3/2023	2305077	45.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Northwest Sidewall
SW-10'@6'	04/19/2023	2304392	303.6	**0.41**	**2.2**	0.62	7.2	**2.9**	**1.7**	**1.1**	230	77	<50	307	Overexcavated
SW-15'@8'	4/20/2023	2304446	41.3	**0.0068**	<0.0050	<0.0050	0.028	**0.035**	<0.0050	**0.038**	<0.50	<50	<50	<50	Overexcavated
SW-24'@16'	4/25/2023	2304529	67.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Southwest Sidewall
NE Base@37'	5/3/2023	2305077	29.5	**0.023**	0.022	<0.0050	0.012	<0.0050	<0.0050	0.0059	<0.50	<50	<50	<50	Overexcavated
NE Base@38'	5/4/2023	2305114	8.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50	<50	Additional Base Sample

Notes:

1). The environmental cleanup standards for soil that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in soil according to Table 915-1 of the COGCC 900 Series Rule for E&P Waste Management.

2). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021. If there is no pathway for communication with Groundwater, then residential soil screening levels apply for organic compounds and metals. If the Director determines that a pathway to Groundwater exists, then the protection of Groundwater soil screening levels will apply, secondary to actual measured concentrations of the contaminants of concern in Groundwater.

GRO - Gas Range Organics

DRO - Diesel Range Organics

ORO - Oil Range Organics

TPH - Total volatile (C_6 - C_{10}) and extractable (C_{10} - C_{36}) petroleum hydrocarbons.

Concentrations (mg/kg) Risk Based and MCL Based.

mg/kg= Milligrams per kilogram.

ppm - Parts per million

Bold values indicate an exceedance of COGCC Protection of Groundwater Standards

Bold red values indicate an exceedance of COGCC Residential Soil Standards

Table 2
Coan AT-1-1
Polyaromatic Hydrocarbon (PAHs) Soil Sample Results
Weld County, Colorado

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benz(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Pyrene (mg/kg)	1-methylnaphthalene (mg/kg)	2-methylnaphthalene (mg/kg)	Comments
COGCC Residential Soil Screening Level Standards (mg/kg) [3]	-	-	-	**360**	**1800**	**1.1**	**0.11**	**1.1**	**11**	**110**	**0.11**	**240**	**240**	**1.1**	**180**	**18**	**24**	
COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based [1] (mg/kg)	-	-	-	**0.55**	**5.8**	**0.011**	**0.24**	**0.3**	**2.9**	**9**	**0.096**	**8.9**	**0.54**	**0.98**	**1.3**	**0.006**	**0.019**	
Source@4.5'	04/18/2023	2304355	620.7	<0.500	<0.500	<0.500	**5.16**	**2.39**	<0.500	4.73	<0.500	2.87	**14.2**	<0.500	**2.06**	**54.0**	**85.4**	Source Sample
Source@16'	04/18/2023	2304355	619.2	-	-	-	0.0223	0.00798	-	0.0243	-	0.0114	0.0681	-	0.0225	**0.444**	**0.192**	Overexcavated
Source@20'	4/20/2023	2304446	742.7	-	-	-	**0.661**	0.273	-	0.892	-	0.547	**1.57**	-	0.800	**9.24**	**16.7**	Overexcavated
Source@26'	4/20/2023	2304446	62.3	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Overexcavated
Source@35'	4/24/2023	2304517	141.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Overexcavated
Source@37'	4/25/2023	2304529	7.3	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Base Sample
SE-8'@14'	04/19/2023	2304392	161.2	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	0.00556	-	<0.00500	**0.0212**	**0.0322**	Overexcavated
SE-15'@14'	04/18/2023	2304355	105.6	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Southeast Sidewall (Originally Test Pit)
NE-12'@12'	04/19/2023	2304392	113.2	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	**0.0127**	0.0166	Overexcavated
NE-14'@32'	5/3/2023	2305077	55.4	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Northeast Sidewall
NW-10'@6'	04/19/2023	2304392	313.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Overexcavated
NW-12'@14'	4/20/2023	2304446	31.3	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Northwest Sidewall
NW-12'@32'	5/3/2023	2305077	45.4	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Northwest Sidewall
SW-10'@6'	04/19/2023	2304392	303.6	-	-	-	0.0155	0.00624	-	0.0131	-	<0.00500	0.0550	-	0.00969	**0.500**	**0.369**	Overexcavated
SW-15'@8'	4/20/2023	2304446	41.3	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	**0.0235**	**0.0202**	Overexcavated
SW-24'@16'	4/25/2023	2304529	67.2	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Southwest Sidewall
NE Base@37'	5/3/2023	2305077	29.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Overexcavated
NE Base@38'	5/4/2023	2305114	8.4	-	-	-	<0.00500	<0.00500	-	<0.00500	-	<0.00500	<0.00500	-	<0.00500	<0.00500	<0.00500	Additional Base Sample

Notes:

1). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.
mg/kg= Milligrams per kilogram.
PPM - Parts per million
PID - Photoionization Detector
Bold values indicate an exceedance of the COGCC soil standards for the Site.
Bold red values indicate an exceedance of COGCC Protection of Groundwater Soil Standards

TABLE 3
SITE SPECIFIC SOIL SAMPLING AND ANALYSIS PLAN
DCP MIDSTREAM - Coan AT-1-1

Site Specific Constituent of Concern for Soil Analysis	COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based [1]
Benzene (mg/kg)	0.0026
Toluene (mg/kg)	0.69
Ethylbenzene (mg/kg)	0.78
Total Xylenes (mg/kg)	9.9
1,2,4-Trimethylbenzene (mg/kg)	0.0081
1,3,5-Trimethylbenzene (mg/kg)	0.0087
Naphthalene (mg/kg)	0.0038
TPH (mg/kg)	500
Benzo(b)fluoranthene (mg/kg)	0.3
Benzo(a)pyrene (mg/kg)	0.24
Chrysene (mg/kg)	9
Fluoranthene (mg/kg)	8.9
Fluorene (mg/kg)	0.54
1-methylnaphthalene (mg/kg)	0.006
2-methylnaphthalene (mg/kg)	0.019
Pyrene (mg/kg)	1.3

1). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.

TPH - Total volatile (C_6 - C_{10}) and extractable (C_{10} - C_{36}) hydrocarbons

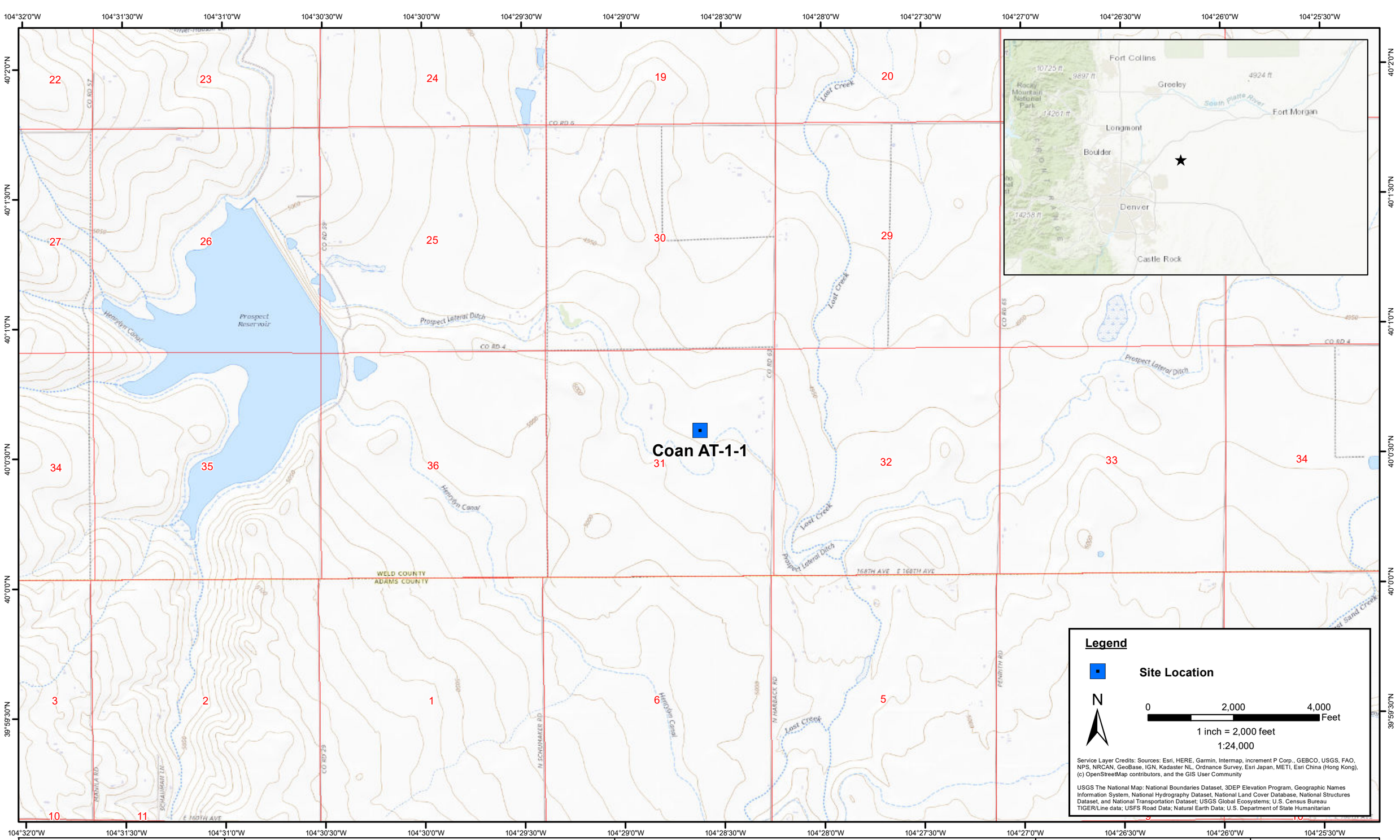
mg/kg= Milligrams per kilogram.

Table 4
Summary of 915-1 Organic Concentrations in Groundwater
DCP Coan AT-1-1 Release
(June 19, 2023)
Weld County, Colorado

Location Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Naphthalene (µg/L)	Comments
Colorado Oil and Gas Conservation Commission Groundwater Standards (mg/L)[(1)]		**5**	**560**	**700**	**1,400**	**67**	**67**	**140**	
MW01	6/19/2023	**34.2**	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	

Notes:

1.) The environmental cleanup standards that are applicable to the site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 915-1 of the COGCC 900 Series Rule for E&P Waste Management.
Bold red values indicate an exceedance of the COGCC groundwater standards for the Site.
LNAPL = light Non-Aqueous Phase Liquid
NS = not sampled
µg/L = micrograms per liter.



104°32'0"W 104°31'30"W 104°31'0"W 104°30'30"W 104°30'0"W 104°29'30"W 104°29'0"W 104°28'30"W 104°28'0"W 104°27'30"W 104°27'0"W 104°26'30"W 104°26'0"W 104°25'30"W

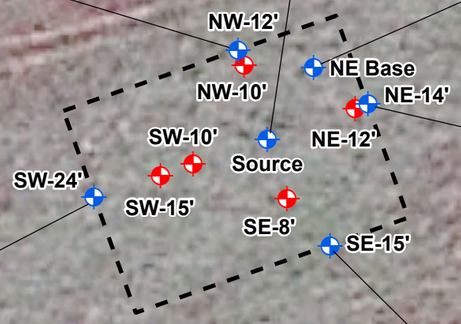
40°2'0"N 40°1'30"N 40°1'0"N 40°0'30"N 40°0'0"N 39°59'30"N

DATE: April 2023 DESIGNED BY: J. Watts DRAWN BY: J. Clonts	**Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Coan AT-1-1** SWNE Sec. 31-T1N-R63W Weld County, Colorado	Site Location Map	Figure 1

Source	
Date	4/25/2023
Depth	37'
PID (PPM)	7.3
Benzene (mg/kg)	<0.0020
Toluene (mg/kg)	<0.0050
Ethylbenzene (mg/kg)	<0.0050
Total Xylenes (mg/kg)	<0.010
1,2,4-Trimethylbenzene (mg/kg)	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050
Naphthalene (mg/kg)	<0.0038
TPH (mg/kg)	<50

NE Base		
Date	5/3/2023	5/4/2023
Depth	37'	38'
PID (PPM)	29.5	8.4
Benzene (mg/kg)	**0.023**	<0.0020
Toluene (mg/kg)	0.022	<0.0050
Ethylbenzene (mg/kg)	<0.0050	<0.0050
Total Xylenes (mg/kg)	0.012	<0.010
1,2,4-Trimethylbenzene (mg/kg)	<0.0050	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050	<0.0050
Naphthalene (mg/kg)	0.0059	<0.0038
TPH (mg/kg)	<50	<50

NW-12'		
Date	4/20/2023	5/3/2023
Depth	14'	32'
PID (PPM)	31.3	45.4
Benzene (mg/kg)	<0.0020	<0.0020
Toluene (mg/kg)	<0.0050	<0.0050
Ethylbenzene (mg/kg)	<0.0050	<0.0050
Total Xylenes (mg/kg)	<0.010	<0.010
1,2,4-Trimethylbenzene (mg/kg)	<0.0050	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050	<0.0050
Naphthalene (mg/kg)	<0.0038	<0.0038
TPH (mg/kg)	<50	<50



NE-14'	
Date	5/3/2023
Depth	32'
PID (PPM)	55.4
Benzene (mg/kg)	<0.0020
Toluene (mg/kg)	<0.0050
Ethylbenzene (mg/kg)	<0.0050
Total Xylenes (mg/kg)	<0.010
1,2,4-Trimethylbenzene (mg/kg)	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050
Naphthalene (mg/kg)	<0.0038
TPH (mg/kg)	<50

SW-24'	
Date	4/25/2023
Depth	16'
PID (PPM)	67.2
Benzene (mg/kg)	<0.0020
Toluene (mg/kg)	<0.0050
Ethylbenzene (mg/kg)	<0.0050
Total Xylenes (mg/kg)	<0.010
1,2,4-Trimethylbenzene (mg/kg)	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050
Naphthalene (mg/kg)	<0.0038
TPH (mg/kg)	<50

SE-15'	
Date	04/18/2023
Depth	14'
PID (PPM)	105.6
Benzene (mg/kg)	<0.0020
Toluene (mg/kg)	<0.0050
Ethylbenzene (mg/kg)	<0.0050
Total Xylenes (mg/kg)	<0.010
1,2,4-Trimethylbenzene (mg/kg)	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050
Naphthalene (mg/kg)	<0.0038
TPH (mg/kg)	<50

Legend

- Soil Sample Location Above COGCC Table 915-1 Site Standard (Over-excavated)
- Soil Sample Location Below COGCC Table 915-1 Site Standard
- Excavation Extent

COGCC Table 915-1 Soil Standards		
Compound	Residential (mg/kg)	Protection of Groundwater (mg/kg)
Benzene	1.2	0.0026
Toluene	490	0.69
Ethylbenzene	5.8	0.78
Total Xylenes	58	9.9
1,2,4-Trimethylbenzene	30	0.0081
1,3,5-Trimethylbenzene	27	0.0087
Naphthalene	2	0.0038
TPH	500	500

Notes:

All locations are approximate unless otherwise noted.

All Soil Analytical Results are included in the Tables

mg/kg - milligrams per kilogram
PPM - Parts Per Million
TPH - Total Petroleum Hydrocarbons
GPS - Global Positioning System
COGCC - Colorado Oil & Gas Conservation Commission

Bold values indicate an exceedance of COGCC Table 915-1 Groundwater Protection soil standards.

Red values indicate an exceedance of COGCC Table 915-1 Residential soil screening standards.

N

0 10 20 Feet

Imagery Source: Google Earth; 2016 Google

DATE: May 2023
DESIGNED BY: J. Watts
DRAWN BY: L. Reed

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

DCP Midstream
Coan AT-1-1
SWNE Sec. 31-T1N-R63W
Weld County, Colorado

Excavation Extents & Analytical Results

Figure 2

DATE: June 2023 DESIGNED BY: J. Watts DRAWN BY: L. Reed	TASMAN Tasman, Inc. 6855 W. 119th Ave Broomfield, CO 80020	**DCP Midstream** **Coan AT-1-1** SWNE Sec. 31-T1N-R63W Weld County, Colorado	Groundwater Analytical Map (06/19/2023)	Figure 3

DATE: June 2023 DESIGNED BY: J. Watts DRAWN BY: L. Reed	TASMAN **Tasman, Inc.** **6855 W. 119th Ave** **Broomfield, CO 80020**	**DCP Midstream** **Coan AT-1-1** SWNE Sec. 31-T1N-R63W Weld County, Colorado	Proposed Well Location Map	Figure 4

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

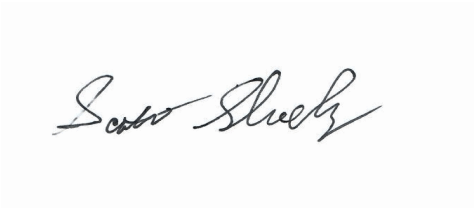
April 26, 2023

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

RE: DCP - COAN AT-1-1
Work Order #2304355

Enclosed are the results of analyses for samples received by Summit Scientific on 04/18/23 17:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Sheely For Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Source@4.5'	2304355-01	Soil	04/18/23 08:23	04/18/23 17:10
Source@16'	2304355-02	Soil	04/18/23 12:23	04/18/23 17:10
SE-15'@14'	2304355-03	Soil	04/18/23 12:57	04/18/23 17:10

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2304.355	

	Send Data To:	Send Invoice To:
Client: DCP / Tasman	Project Manager: Chandler Cole / Jeb Watts	Company: DCP
Address: 6855 W. 119th Ave.	E-Mail: ccole@dcpmidstream.com; swwatts@dcp-midstream.com	Project Name/Location: COAN AT-1-1
City/State/Zip: Broomfield CO 80020	jwatts@tasman-geo.com; vstruss@tasman-geo.com	AFE#:
Phone: 303 487 1178	Project Name: COAN AT-1-1	PO/Billing Codes:
Sampler Name: Wade Strauss	Project Number:	Contact: Chandler Cole

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	915 VOCs + TPH	915 PAHs	915 Inorganics						H = HOLD
1	Source @ 4.5'	4/18/23	0823	2			X			X			X	X	H						
2	Source @ 16'	4/18/23	1223	2			X			X			X	H	H						
3	SE-15 @ 14'	4/18/23	1257	2			X			X			X	H	H						
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:
[signature]	4/18/23 1708	[signature]	17:10 4/18/23
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

TAT Business Days		Field DO	
Same Day	X	Field EC	
1 Day		Field ORP	
2 Days		Field pH	
3 Days		Field Temp.	
Standard		Field Turb.	

Notes:

Temperature Upon Receipt: _____ Corrected Temperature 12.1 IR gun #: 02 HNO3 lot #: _____

S2

Sample Receipt Checklist

S2 Work Order# 2304355

Client: DCP / Tasman Client Project ID: COAN AT-1-1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: _____

[✓] [ ] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [✓] Water [ ] Other [ ]

Temp (°C) 12.1 Thermometer # #2

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? (1) **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	✓			on ice
If custody seals are present, are they intact? (1)			✓	
Are samples due within 48 hours present?	✓			Same Day
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen		✓		
Is a chain-of-custody (COC) form present and filled out Completely? (1)	✓			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	✓			
Were all samples received intact? (1)	✓			
Was adequate sample volume provided? (1)	✓			
Does the COC agree with the number and type of sample bottles received? (1)	✓			
Do the sample IDs on the bottle labels match the COC?(1)	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			✓	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			✓	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
(1) **If NO, then contact the client before proceeding with analysis and note in case narrative.**				

GAC
Custodian Printed Name

4/18/23 17:20
Date/Time

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

Source@4.5'

2304355-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/18/23 08:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**23**	0.020	mg/kg	10	BGD0585	04/18/23	04/18/23	EPA 8260B	E
Toluene	**34**	0.050	"	"	"	"	"	"	E
Ethylbenzene	**7.3**	0.050	"	"	"	"	"	"	E
Xylenes (total)	**60**	0.10	"	"	"	"	"	"	E
1,2,4-Trimethylbenzene	**15**	0.050	"	"	"	"	"	"	E
1,3,5-Trimethylbenzene	**6.2**	0.050	"	"	"	"	"	"	E
Naphthalene	**3.3**	0.038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	**1700**	5.0	"	"	"	"	"	"	E

Date Sampled: **04/18/23 08:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0302	*75.6 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.110	*275 %*	*50-150*		"	"	"	"	*S-02*
Surrogate: 4-Bromofluorobenzene	0.0697	*174 %*	*50-150*		"	"	"	"	*S-02*

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/18/23 08:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	**120**	50	mg/kg	1	BGD0586	04/18/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/18/23 08:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.4	*82.9 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

Source@4.5'

2304355-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/18/23 08:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.500	mg/kg	100	BGD0597	04/19/23	04/19/23	EPA 8270D SIM	
Anthracene	ND	0.500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.500	"	"	"	"	"	"	
Benzo (a) pyrene	**5.16**	0.500	"	"	"	"	"	"	
Benzo (b) fluoranthene	**2.39**	0.500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.500	"	"	"	"	"	"	
Chrysene	**4.73**	0.500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.500	"	"	"	"	"	"	
Fluoranthene	**2.87**	0.500	"	"	"	"	"	"	
Fluorene	**14.2**	0.500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.500	"	"	"	"	"	"	
Pyrene	**2.06**	0.500	"	"	"	"	"	"	
1-Methylnaphthalene	**54.0**	0.500	"	"	"	"	"	"	E
2-Methylnaphthalene	**85.4**	0.500	"	"	"	"	"	"	E

Date Sampled: **04/18/23 08:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.00	*%*	*40-150*		"	"	"	"	*S-01*
Surrogate: Fluoranthene-d10	0.00	*%*	*40-150*		"	"	"	"	*S-01*

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

Source@16'

2304355-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/18/23 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.044**	0.0020	mg/kg	1	BGD0585	04/18/23	04/18/23	EPA 8260B	
Toluene	**0.30**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.090**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.26**	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**0.56**	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**0.18**	0.0050	"	"	"	"	"	"	
Naphthalene	**0.13**	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	**19**	0.50	"	"	"	"	"	"	

Date Sampled: **04/18/23 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0374	*93.5 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0468	*117 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0440	*110 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/18/23 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0586	04/18/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/18/23 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.4	*83.1 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

Source@16'

2304355-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/18/23 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	**0.0223**	0.00500	mg/kg	1	BGD0751	04/24/23	04/24/23	EPA 8270D SIM	
Benzo (b) fluoranthene	**0.00798**	0.00500	"	"	"	"	"	"	
Chrysene	**0.0243**	0.00500	"	"	"	"	"	"	
Fluoranthene	**0.0114**	0.00500	"	"	"	"	"	"	
Fluorene	**0.0681**	0.00500	"	"	"	"	"	"	
Pyrene	**0.0225**	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	**0.444**	0.00500	"	"	"	"	"	"	E
2-Methylnaphthalene	**0.192**	0.00500	"	"	"	"	"	"	E

Date Sampled: **04/18/23 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0378	*113 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0273	*81.8 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

SE-15'@14'

2304355-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/18/23 12:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0585	04/18/23	04/18/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/18/23 12:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0390	*97.5 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0416	*104 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0404	*101 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/18/23 12:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0586	04/18/23	04/18/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/18/23 12:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.3	*90.7 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

SE-15'@14'

2304355-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/18/23 12:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0751	04/24/23	04/24/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/18/23 12:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0235	*70.6 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0288	*86.4 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0585 - EPA 5030 Soil MS										
Blank (BGD0585-BLK1)				Prepared: 04/18/23 Analyzed: 04/19/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0425*		*"*	*0.0400*		*106*	*50-150*			
Surrogate: Toluene-d8	*0.0401*		*"*	*0.0400*		*100*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0413*		*"*	*0.0400*		*103*	*50-150*			
LCS (BGD0585-BS1)				Prepared: 04/18/23 Analyzed: 04/19/23						
Benzene	0.0871	0.0020	mg/kg	0.100		87.1	70-130			
Toluene	0.0963	0.0050	"	0.100		96.3	70-130			
Ethylbenzene	0.110	0.0050	"	0.100		110	70-130			
m,p-Xylene	0.218	0.010	"	0.200		109	70-130			
o-Xylene	0.103	0.0050	"	0.100		103	70-130			
1,2,4-Trimethylbenzene	0.109	0.0050	"	0.100		109	70-130			
1,3,5-Trimethylbenzene	0.111	0.0050	"	0.100		111	70-130			
Naphthalene	0.0818	0.0038	"	0.100		81.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0337*		*"*	*0.0400*		*84.2*	*50-150*			
Surrogate: Toluene-d8	*0.0396*		*"*	*0.0400*		*98.9*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0389*		*"*	*0.0400*		*97.2*	*50-150*			
Matrix Spike (BGD0585-MS1)	**Source: 2304355-02**			Prepared: 04/18/23 Analyzed: 04/19/23						**QM-07**
Benzene	0.139	0.0020	mg/kg	0.100	0.0444	95.1	70-130			
Toluene	0.794	0.0050	"	0.100	0.296	498	70-130			
Ethylbenzene	0.394	0.0050	"	0.100	0.0897	304	70-130			
m,p-Xylene	2.14	0.010	"	0.200	0.627	757	70-130			
o-Xylene	0.908	0.0050	"	0.100	0.264	644	70-130			
1,2,4-Trimethylbenzene	1.39	0.0050	"	0.100	0.560	829	70-130			
1,3,5-Trimethylbenzene	0.490	0.0050	"	0.100	0.177	313	70-130			
Naphthalene	0.386	0.0038	"	0.100	0.133	253	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0367*		*"*	*0.0400*		*91.7*	*50-150*			
Surrogate: Toluene-d8	*0.0473*		*"*	*0.0400*		*118*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0315*		*"*	*0.0400*		*78.8*	*50-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0585 - EPA 5030 Soil MS										
Matrix Spike Dup (BGD0585-MSD1)	**Source: 2304355-02**			Prepared: 04/18/23 Analyzed: 04/19/23						**QM-07**
Benzene	0.118	0.0020	mg/kg	0.100	0.0444	73.9	70-130	16.5	30	
Toluene	0.532	0.0050	"	0.100	0.296	236	70-130	39.5	30	
Ethylbenzene	0.307	0.0050	"	0.100	0.0897	218	70-130	24.7	30	
m,p-Xylene	1.62	0.010	"	0.200	0.627	496	70-130	27.7	30	
o-Xylene	0.697	0.0050	"	0.100	0.264	433	70-130	26.3	30	
1,2,4-Trimethylbenzene	1.22	0.0050	"	0.100	0.560	660	70-130	12.9	30	
1,3,5-Trimethylbenzene	0.411	0.0050	"	0.100	0.177	234	70-130	17.5	30	
Naphthalene	0.392	0.0038	"	0.100	0.133	259	70-130	1.68	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0371*		"	*0.0400*		*92.7*	*50-150*			
Surrogate: Toluene-d8	*0.0432*		"	*0.0400*		*108*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0485*		"	*0.0400*		*121*	*50-150*			

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0586 - EPA 3550A										
Blank (BGD0586-BLK1)				Prepared: 04/18/23 Analyzed: 04/19/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*10.0*		*"*	*12.5*		*80.2*	*30-150*			
LCS (BGD0586-BS1)				Prepared: 04/18/23 Analyzed: 04/19/23						
C10-C28 (DRO)	395	50	mg/kg	500		79.0	70-130			
Surrogate: o-Terphenyl	*8.89*		*"*	*12.5*		*71.1*	*30-150*			
Matrix Spike (BGD0586-MS1)	**Source: 2304355-02**			Prepared: 04/18/23 Analyzed: 04/19/23						
C10-C28 (DRO)	392	50	mg/kg	500	32.9	71.9	70-130			
Surrogate: o-Terphenyl	*6.49*		*"*	*12.5*		*51.9*	*30-150*			
Matrix Spike Dup (BGD0586-MSD1)	**Source: 2304355-02**			Prepared: 04/18/23 Analyzed: 04/19/23						
C10-C28 (DRO)	399	50	mg/kg	500	32.9	73.2	70-130	1.64	20	
Surrogate: o-Terphenyl	*7.43*		*"*	*12.5*		*59.4*	*30-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0597 - EPA 5030 Soil MS										
Blank (BGD0597-BLK1)				Prepared & Analyzed: 04/19/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0385*		*"*	*0.0333*		*115*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0390*		*"*	*0.0333*		*117*	*40-150*			
LCS (BGD0597-BS1)				Prepared & Analyzed: 04/19/23						
Acenaphthene	0.0384	0.00500	mg/kg	0.0333		115	31-137			
Anthracene	0.0368	0.00500	"	0.0333		110	30-120			
Benzo (a) anthracene	0.0300	0.00500	"	0.0333		90.0	30-120			
Benzo (a) pyrene	0.0303	0.00500	"	0.0333		90.8	30-120			
Benzo (b) fluoranthene	0.0384	0.00500	"	0.0333		115	30-120			
Benzo (k) fluoranthene	0.0328	0.00500	"	0.0333		98.4	30-120			
Chrysene	0.0300	0.00500	"	0.0333		89.9	30-120			
Dibenz (a,h) anthracene	0.0343	0.00500	"	0.0333		103	30-120			
Fluoranthene	0.0378	0.00500	"	0.0333		114	30-120			
Fluorene	0.0399	0.00500	"	0.0333		120	30-120			
Indeno (1,2,3-cd) pyrene	0.0315	0.00500	"	0.0333		94.6	30-120			
Pyrene	0.0364	0.00500	"	0.0333		109	35-142			
1-Methylnaphthalene	0.0382	0.00500	"	0.0333		115	35-142			
2-Methylnaphthalene	0.0365	0.00500	"	0.0333		110	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0350*		*"*	*0.0333*		*105*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0362*		*"*	*0.0333*		*109*	*40-150*			

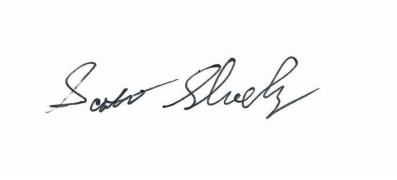
S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0597 - EPA 5030 Soil MS										
Matrix Spike (BGD0597-MS1)	**Source: 2304373-01**			Prepared & Analyzed: 04/19/23						
Acenaphthene	0.0249	0.00500	mg/kg	0.0333	ND	74.8	31-137			
Anthracene	0.0264	0.00500	"	0.0333	ND	79.2	30-120			
Benzo (a) anthracene	0.0208	0.00500	"	0.0333	ND	62.5	30-120			
Benzo (a) pyrene	0.0226	0.00500	"	0.0333	ND	67.8	30-120			
Benzo (b) fluoranthene	0.0245	0.00500	"	0.0333	ND	73.4	30-120			
Benzo (k) fluoranthene	0.0220	0.00500	"	0.0333	ND	66.1	30-120			
Chrysene	0.0212	0.00500	"	0.0333	ND	63.5	30-120			
Dibenz (a,h) anthracene	0.0248	0.00500	"	0.0333	ND	74.3	30-120			
Fluoranthene	0.0245	0.00500	"	0.0333	ND	73.5	30-120			
Fluorene	0.0270	0.00500	"	0.0333	ND	81.0	30-120			
Indeno (1,2,3-cd) pyrene	0.0259	0.00500	"	0.0333	ND	77.6	30-120			
Pyrene	0.0342	0.00500	"	0.0333	ND	103	35-142			
1-Methylnaphthalene	0.0269	0.00500	"	0.0333	ND	80.8	15-130			
2-Methylnaphthalene	0.0280	0.00500	"	0.0333	ND	84.0	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0287*		*"*	*0.0333*		*86.1*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0260*		*"*	*0.0333*		*78.0*	*40-150*			
Matrix Spike Dup (BGD0597-MSD1)	**Source: 2304373-01**			Prepared & Analyzed: 04/19/23						
Acenaphthene	0.0257	0.00500	mg/kg	0.0333	ND	77.2	31-137	3.11	30	
Anthracene	0.0214	0.00500	"	0.0333	ND	64.1	30-120	21.1	30	
Benzo (a) anthracene	0.0175	0.00500	"	0.0333	ND	52.5	30-120	17.4	30	
Benzo (a) pyrene	0.0216	0.00500	"	0.0333	ND	64.8	30-120	4.50	30	
Benzo (b) fluoranthene	0.0196	0.00500	"	0.0333	ND	58.9	30-120	21.9	30	
Benzo (k) fluoranthene	0.0200	0.00500	"	0.0333	ND	60.0	30-120	9.67	30	
Chrysene	0.0199	0.00500	"	0.0333	ND	59.8	30-120	5.95	30	
Dibenz (a,h) anthracene	0.0216	0.00500	"	0.0333	ND	64.9	30-120	13.5	30	
Fluoranthene	0.0221	0.00500	"	0.0333	ND	66.3	30-120	10.2	30	
Fluorene	0.0218	0.00500	"	0.0333	ND	65.5	30-120	21.1	30	
Indeno (1,2,3-cd) pyrene	0.0207	0.00500	"	0.0333	ND	62.0	30-120	22.2	30	
Pyrene	0.0275	0.00500	"	0.0333	ND	82.6	35-142	21.7	30	
1-Methylnaphthalene	0.0229	0.00500	"	0.0333	ND	68.6	15-130	16.3	50	
2-Methylnaphthalene	0.0230	0.00500	"	0.0333	ND	69.0	15-130	19.6	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0248*		*"*	*0.0333*		*74.2*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0225*		*"*	*0.0333*		*67.6*	*40-150*			



Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0751 - EPA 5030 Soil MS										
Blank (BGD0751-BLK1)				Prepared & Analyzed: 04/24/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0331*		*"*	*0.0333*		*99.2*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0347*		*"*	*0.0333*		*104*	*40-150*			
LCS (BGD0751-BS1)				Prepared & Analyzed: 04/24/23						
Acenaphthene	0.0308	0.00500	mg/kg	0.0333		92.4	31-137			
Anthracene	0.0299	0.00500	"	0.0333		89.6	30-120			
Benzo (a) anthracene	0.0287	0.00500	"	0.0333		86.1	30-120			
Benzo (a) pyrene	0.0294	0.00500	"	0.0333		88.3	30-120			
Benzo (b) fluoranthene	0.0331	0.00500	"	0.0333		99.2	30-120			
Benzo (k) fluoranthene	0.0315	0.00500	"	0.0333		94.5	30-120			
Chrysene	0.0345	0.00500	"	0.0333		103	30-120			
Dibenz (a,h) anthracene	0.0326	0.00500	"	0.0333		97.7	30-120			
Fluoranthene	0.0296	0.00500	"	0.0333		88.8	30-120			
Fluorene	0.0295	0.00500	"	0.0333		88.6	30-120			
Indeno (1,2,3-cd) pyrene	0.0352	0.00500	"	0.0333		106	30-120			
Pyrene	0.0379	0.00500	"	0.0333		114	35-142			
1-Methylnaphthalene	0.0267	0.00500	"	0.0333		80.1	35-142			
2-Methylnaphthalene	0.0308	0.00500	"	0.0333		92.3	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0262*		*"*	*0.0333*		*78.6*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0301*		*"*	*0.0333*		*90.2*	*40-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0751 - EPA 5030 Soil MS										
Matrix Spike (BGD0751-MS1)	**Source: 2304475-01**			Prepared & Analyzed: 04/24/23						
Acenaphthene	0.0184	0.00500	mg/kg	0.0333	ND	55.3	31-137			
Anthracene	0.0186	0.00500	"	0.0333	ND	55.7	30-120			
Benzo (a) anthracene	0.0281	0.00500	"	0.0333	0.00208	78.0	30-120			
Benzo (a) pyrene	0.0186	0.00500	"	0.0333	ND	55.9	30-120			
Benzo (b) fluoranthene	0.0166	0.00500	"	0.0333	ND	49.8	30-120			
Benzo (k) fluoranthene	0.0183	0.00500	"	0.0333	ND	54.8	30-120			
Chrysene	0.0267	0.00500	"	0.0333	0.000537	78.4	30-120			
Dibenz (a,h) anthracene	0.0154	0.00500	"	0.0333	ND	46.3	30-120			
Fluoranthene	0.0203	0.00500	"	0.0333	ND	61.0	30-120			
Fluorene	0.0190	0.00500	"	0.0333	ND	57.1	30-120			
Indeno (1,2,3-cd) pyrene	0.0166	0.00500	"	0.0333	ND	49.9	30-120			
Pyrene	0.0272	0.00500	"	0.0333	ND	81.7	35-142			
1-Methylnaphthalene	0.0175	0.00500	"	0.0333	ND	52.6	15-130			
2-Methylnaphthalene	0.0151	0.00500	"	0.0333	ND	45.3	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0199*		*"*	*0.0333*		*59.8*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0226*		*"*	*0.0333*		*67.7*	*40-150*			
Matrix Spike Dup (BGD0751-MSD1)	**Source: 2304475-01**			Prepared & Analyzed: 04/24/23						
Acenaphthene	0.0209	0.00500	mg/kg	0.0333	ND	62.8	31-137	12.7	30	
Anthracene	0.0218	0.00500	"	0.0333	ND	65.5	30-120	16.1	30	
Benzo (a) anthracene	0.0334	0.00500	"	0.0333	0.00208	93.9	30-120	17.3	30	
Benzo (a) pyrene	0.0183	0.00500	"	0.0333	ND	54.8	30-120	1.98	30	
Benzo (b) fluoranthene	0.0232	0.00500	"	0.0333	ND	69.7	30-120	33.3	30	QR-02
Benzo (k) fluoranthene	0.0217	0.00500	"	0.0333	ND	65.0	30-120	17.0	30	
Chrysene	0.0290	0.00500	"	0.0333	0.000537	85.3	30-120	8.21	30	
Dibenz (a,h) anthracene	0.0176	0.00500	"	0.0333	ND	52.8	30-120	13.2	30	
Fluoranthene	0.0218	0.00500	"	0.0333	ND	65.5	30-120	7.04	30	
Fluorene	0.0210	0.00500	"	0.0333	ND	63.0	30-120	9.82	30	
Indeno (1,2,3-cd) pyrene	0.0244	0.00500	"	0.0333	ND	73.2	30-120	37.9	30	QR-02
Pyrene	0.0349	0.00500	"	0.0333	ND	105	35-142	24.6	30	
1-Methylnaphthalene	0.0202	0.00500	"	0.0333	ND	60.6	15-130	14.2	50	
2-Methylnaphthalene	0.0178	0.00500	"	0.0333	ND	53.5	15-130	16.7	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0208*		*"*	*0.0333*		*62.3*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0245*		*"*	*0.0333*		*73.5*	*40-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 12:50

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 26, 2023

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

RE: DCP - COAN AT-1-1
Work Order #2304392

Enclosed are the results of analyses for samples received by Summit Scientific on 04/19/23 14:36. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott Sheely For Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NW-10'@6'	2304392-01	Soil	04/19/23 11:32	04/19/23 14:36
NE-12'@12'	2304392-02	Soil	04/19/23 11:49	04/19/23 14:36
SE-8'@14'	2304392-03	Soil	04/19/23 12:12	04/19/23 14:36
SW-10'@6'	2304392-04	Soil	04/19/23 12:59	04/19/23 14:36

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2304392	

	Send Data To:	Send Invoice To:
Client: DCP/Tasman	Project Manager: Chandler Cole; Jeb Watts	Company: DCP
Address: 6855 W. 119th Ave	E-Mail: ccole@dcpmidstream.com; jswatts@dcpmidstream.com	Project Name/Location: COAN AT-1-1
City/State/Zip: Broomfield, CO, 80020	jswatts@tasmangeo.com; vscruggs@tasmangeo.com	AFE#:
Phone: (303) 487-1228	Project Name: COAN AT-1-1	PO/Billing Codes:
Sampler Name: Vade Scruggs	Project Number:	Contact: Chandler Cole

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	8015 VOCs + TPH	8015 PAHs	8015 Ignitables						H=Hold
1	NW-10'@6'	4/19/23	1132	2			X			X			X	H	H						
2	NE-12'@12'	4/19/23	1149	2			X			X			X	H	H						
3	SE-8'@14'	4/19/23	1212	2			X			X			X	H	H						
4	SW-10'@6'	4/19/23	1259	2			X			X			X	H	H						
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time: 4/19/23 1436	Received by:	Date/Time: 1436 04-19-23
Relinquished by:	Date/Time:	Received by:	Date/Time:

TAT Business Days	
Same Day	X
1 Day	
2 Days	
3 Days	
Standard	

Field DO	
Field EC	
Field ORP	
Field pH	
Field Temp.	
Field Turb.	

Notes:

Temperature Upon Receipt: 13.3 | Corrected Temperature: | IR gun #: 02 | HNO3 lot #:

S2

Sample Receipt Checklist

S2 Work Order# 2364/392

Client: DCP Tasman Client Project ID: COAN AT-1-1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: _____

[X] [ ] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [X] Water [ ] Other [ ]

Temp (°C) 13.3 Thermometer # 02

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? (1) **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	X			
If custody seals are present, are they intact? (1)	X			
Are samples due within 48 hours present?	X			
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen		X		
Is a chain-of-custody (COC) form present and filled out Completely? (1)	X			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	Y			
Were all samples received intact? (1)	Y			
Was adequate sample volume provided? (1)	Y			
Does the COC agree with the number and type of sample bottles received? (1)	X			
Do the sample IDs on the bottle labels match the COC? (1)	X			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			X	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			Y	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			Y	
If dissolved metals are requested, were samples field filtered?			Y	
Additional Comments (if any):				

(1) **If NO, then contact the client before proceeding with analysis and note in case narrative.**

Cavin Stanhope
Custodian Printed Name

04-18-23 14
Date/Time

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

NW-10'@6'

2304392-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/19/23 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.69**	0.020	mg/kg	10	BGD0625	04/19/23	04/19/23	EPA 8260B	
Toluene	**7.0**	0.050	"	"	"	"	"	"	E
Ethylbenzene	**7.6**	0.050	"	"	"	"	"	"	E
Xylenes (total)	**59**	0.10	"	"	"	"	"	"	E
1,2,4-Trimethylbenzene	**21**	0.050	"	"	"	"	"	"	E
1,3,5-Trimethylbenzene	**8.9**	0.050	"	"	"	"	"	"	E
Naphthalene	**5.3**	0.038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	**1000**	5.0	"	"	"	"	"	"	

Date Sampled: **04/19/23 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0398	*99.4 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0651	*163 %*	*50-150*		"	"	"	"	*S-02*
Surrogate: 4-Bromofluorobenzene	0.0692	*173 %*	*50-150*		"	"	"	"	*S-02*

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/19/23 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	**750**	50	mg/kg	1	BGD0626	04/19/23	04/19/23	EPA 8015M	
C28-C36 (ORO)	**54**	50	"	"	"	"	"	"	

Date Sampled: **04/19/23 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.9	*94.8 %*	*30-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

NE-12'@12'

2304392-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/19/23 11:49**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0625	04/19/23	04/19/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/19/23 11:49**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0387	*96.8 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0410	*102 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0388	*97.0 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/19/23 11:49**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0626	04/19/23	04/19/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/19/23 11:49**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.5	*100 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

NE-12'@12'

2304392-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/19/23 11:49**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0751	04/24/23	04/24/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	**0.0127**	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	**0.0166**	0.00500	"	"	"	"	"	"	

Date Sampled: **04/19/23 11:49**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0231	*69.2 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0282	*84.5 %*	*40-150*		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

SE-8'@14'

2304392-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/19/23 12:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0625	04/19/23	04/19/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/19/23 12:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0381	*95.3 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0400	*100 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0391	*97.6 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/19/23 12:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0626	04/19/23	04/19/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/19/23 12:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	14.1	*113 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

SE-8'@14'

2304392-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/19/23 12:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0751	04/24/23	04/24/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	**0.00556**	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	**0.0212**	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	**0.0322**	0.00500	"	"	"	"	"	"	

Date Sampled: **04/19/23 12:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0241	*72.3 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0270	*81.0 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

SW-10'@6'

2304392-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/19/23 12:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.41**	0.0020	mg/kg	1	BGD0625	04/19/23	04/19/23	EPA 8260B	
Toluene	**2.2**	0.050	"	10	"	"	"	"	
Ethylbenzene	**0.62**	0.050	"	"	"	"	"	"	
Xylenes (total)	**7.2**	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**2.9**	0.050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**1.7**	0.050	"	"	"	"	"	"	
Naphthalene	**1.1**	0.038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	**230**	5.0	"	"	"	"	"	"	

Date Sampled: **04/19/23 12:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0360	*90.1 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0422	*105 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0328	*81.9 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/19/23 12:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	**77**	50	mg/kg	1	BGD0626	04/19/23	04/19/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/19/23 12:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	13.3	*106 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

SW-10'@6'

2304392-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/19/23 12:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	**0.0155**	0.00500	mg/kg	1	BGD0751	04/24/23	04/24/23	EPA 8270D SIM	
Benzo (b) fluoranthene	**0.00624**	0.00500	"	"	"	"	"	"	
Chrysene	**0.0131**	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	**0.0550**	0.00500	"	"	"	"	"	"	
Pyrene	**0.00969**	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	**0.500**	0.00500	"	"	"	"	"	"	E
2-Methylnaphthalene	**0.369**	0.00500	"	"	"	"	"	"	E

Date Sampled: **04/19/23 12:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0243	*72.9 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0233	*69.9 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0625 - EPA 5030 Soil MS										
Blank (BGD0625-BLK1)				Prepared: 04/19/23 Analyzed: 04/20/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0418*		*"*	*0.0400*		*104*	*50-150*			
Surrogate: Toluene-d8	*0.0380*		*"*	*0.0400*		*95.0*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0402*		*"*	*0.0400*		*101*	*50-150*			
LCS (BGD0625-BS1)				Prepared: 04/19/23 Analyzed: 04/20/23						
Benzene	0.0775	0.0020	mg/kg	0.100		77.5	70-130			
Toluene	0.0718	0.0050	"	0.100		71.8	70-130			
Ethylbenzene	0.105	0.0050	"	0.100		105	70-130			
m,p-Xylene	0.211	0.010	"	0.200		105	70-130			
o-Xylene	0.0842	0.0050	"	0.100		84.2	70-130			
1,2,4-Trimethylbenzene	0.113	0.0050	"	0.100		113	70-130			
1,3,5-Trimethylbenzene	0.104	0.0050	"	0.100		104	70-130			
Naphthalene	0.0733	0.0038	"	0.100		73.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0328*		*"*	*0.0400*		*81.9*	*50-150*			
Surrogate: Toluene-d8	*0.0304*		*"*	*0.0400*		*76.1*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0316*		*"*	*0.0400*		*79.0*	*50-150*			
Matrix Spike (BGD0625-MS1)	**Source: 2304392-03**			Prepared: 04/19/23 Analyzed: 04/20/23						
Benzene	0.0858	0.0020	mg/kg	0.100	ND	85.8	70-130			
Toluene	0.0997	0.0050	"	0.100	ND	99.7	70-130			
Ethylbenzene	0.111	0.0050	"	0.100	ND	111	70-130			
m,p-Xylene	0.243	0.010	"	0.200	ND	122	70-130			
o-Xylene	0.114	0.0050	"	0.100	ND	114	70-130			
1,2,4-Trimethylbenzene	0.121	0.0050	"	0.100	ND	121	70-130			
1,3,5-Trimethylbenzene	0.122	0.0050	"	0.100	ND	122	70-130			
Naphthalene	0.114	0.0038	"	0.100	ND	114	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0357*		*"*	*0.0400*		*89.3*	*50-150*			
Surrogate: Toluene-d8	*0.0391*		*"*	*0.0400*		*97.6*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0398*		*"*	*0.0400*		*99.4*	*50-150*			

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0625 - EPA 5030 Soil MS										
Matrix Spike Dup (BGD0625-MSD1)		**Source: 2304392-03**		Prepared: 04/19/23 Analyzed: 04/20/23						
Benzene	0.0850	0.0020	mg/kg	0.100	ND	85.0	70-130	0.914	30	
Toluene	0.100	0.0050	"	0.100	ND	100	70-130	0.630	30	
Ethylbenzene	0.106	0.0050	"	0.100	ND	106	70-130	4.68	30	
m,p-Xylene	0.227	0.010	"	0.200	ND	114	70-130	6.89	30	
o-Xylene	0.109	0.0050	"	0.100	ND	109	70-130	4.77	30	
1,2,4-Trimethylbenzene	0.125	0.0050	"	0.100	ND	125	70-130	3.15	30	
1,3,5-Trimethylbenzene	0.116	0.0050	"	0.100	ND	116	70-130	5.87	30	
Naphthalene	0.110	0.0038	"	0.100	ND	110	70-130	4.26	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0349*		*"*	*0.0400*		*87.2*	*50-150*			
Surrogate: Toluene-d8	*0.0396*		*"*	*0.0400*		*99.1*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0384*		*"*	*0.0400*		*96.1*	*50-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0626 - EPA 3550A										
Blank (BGD0626-BLK1)				Prepared: 04/19/23 Analyzed: 04/20/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*15.4*		*"*	*12.5*		*123*	*30-150*			
LCS (BGD0626-BS1)				Prepared: 04/19/23 Analyzed: 04/20/23						
C10-C28 (DRO)	450	50	mg/kg	500		89.9	70-130			
Surrogate: o-Terphenyl	*12.0*		*"*	*12.5*		*96.4*	*30-150*			
Matrix Spike (BGD0626-MS1)	**Source: 2304392-03**			Prepared: 04/19/23 Analyzed: 04/20/23						
C10-C28 (DRO)	412	50	mg/kg	500	47.9	72.7	70-130			
Surrogate: o-Terphenyl	*17.0*		*"*	*12.5*		*136*	*30-150*			
Matrix Spike Dup (BGD0626-MSD1)	**Source: 2304392-03**			Prepared: 04/19/23 Analyzed: 04/20/23						
C10-C28 (DRO)	412	50	mg/kg	500	47.9	72.9	70-130	0.154	20	
Surrogate: o-Terphenyl	*18.4*		*"*	*12.5*		*147*	*30-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0751 - EPA 5030 Soil MS										
Blank (BGD0751-BLK1)				Prepared & Analyzed: 04/24/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0331*		*"*	*0.0333*		*99.2*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0347*		*"*	*0.0333*		*104*	*40-150*			
LCS (BGD0751-BS1)				Prepared & Analyzed: 04/24/23						
Acenaphthene	0.0308	0.00500	mg/kg	0.0333		92.4	31-137			
Anthracene	0.0299	0.00500	"	0.0333		89.6	30-120			
Benzo (a) anthracene	0.0287	0.00500	"	0.0333		86.1	30-120			
Benzo (a) pyrene	0.0294	0.00500	"	0.0333		88.3	30-120			
Benzo (b) fluoranthene	0.0331	0.00500	"	0.0333		99.2	30-120			
Benzo (k) fluoranthene	0.0315	0.00500	"	0.0333		94.5	30-120			
Chrysene	0.0345	0.00500	"	0.0333		103	30-120			
Dibenz (a,h) anthracene	0.0326	0.00500	"	0.0333		97.7	30-120			
Fluoranthene	0.0296	0.00500	"	0.0333		88.8	30-120			
Fluorene	0.0295	0.00500	"	0.0333		88.6	30-120			
Indeno (1,2,3-cd) pyrene	0.0352	0.00500	"	0.0333		106	30-120			
Pyrene	0.0379	0.00500	"	0.0333		114	35-142			
1-Methylnaphthalene	0.0267	0.00500	"	0.0333		80.1	35-142			
2-Methylnaphthalene	0.0308	0.00500	"	0.0333		92.3	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0262*		*"*	*0.0333*		*78.6*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0301*		*"*	*0.0333*		*90.2*	*40-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0751 - EPA 5030 Soil MS										
Matrix Spike (BGD0751-MS1)	**Source: 2304475-01**			Prepared & Analyzed: 04/24/23						
Acenaphthene	0.0184	0.00500	mg/kg	0.0333	ND	55.3	31-137			
Anthracene	0.0186	0.00500	"	0.0333	ND	55.7	30-120			
Benzo (a) anthracene	0.0281	0.00500	"	0.0333	0.00208	78.0	30-120			
Benzo (a) pyrene	0.0186	0.00500	"	0.0333	ND	55.9	30-120			
Benzo (b) fluoranthene	0.0166	0.00500	"	0.0333	ND	49.8	30-120			
Benzo (k) fluoranthene	0.0183	0.00500	"	0.0333	ND	54.8	30-120			
Chrysene	0.0267	0.00500	"	0.0333	0.000537	78.4	30-120			
Dibenz (a,h) anthracene	0.0154	0.00500	"	0.0333	ND	46.3	30-120			
Fluoranthene	0.0203	0.00500	"	0.0333	ND	61.0	30-120			
Fluorene	0.0190	0.00500	"	0.0333	ND	57.1	30-120			
Indeno (1,2,3-cd) pyrene	0.0166	0.00500	"	0.0333	ND	49.9	30-120			
Pyrene	0.0272	0.00500	"	0.0333	ND	81.7	35-142			
1-Methylnaphthalene	0.0175	0.00500	"	0.0333	ND	52.6	15-130			
2-Methylnaphthalene	0.0151	0.00500	"	0.0333	ND	45.3	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0199*		*"*	*0.0333*		*59.8*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0226*		*"*	*0.0333*		*67.7*	*40-150*			
Matrix Spike Dup (BGD0751-MSD1)	**Source: 2304475-01**			Prepared & Analyzed: 04/24/23						
Acenaphthene	0.0209	0.00500	mg/kg	0.0333	ND	62.8	31-137	12.7	30	
Anthracene	0.0218	0.00500	"	0.0333	ND	65.5	30-120	16.1	30	
Benzo (a) anthracene	0.0334	0.00500	"	0.0333	0.00208	93.9	30-120	17.3	30	
Benzo (a) pyrene	0.0183	0.00500	"	0.0333	ND	54.8	30-120	1.98	30	
Benzo (b) fluoranthene	0.0232	0.00500	"	0.0333	ND	69.7	30-120	33.3	30	QR-02
Benzo (k) fluoranthene	0.0217	0.00500	"	0.0333	ND	65.0	30-120	17.0	30	
Chrysene	0.0290	0.00500	"	0.0333	0.000537	85.3	30-120	8.21	30	
Dibenz (a,h) anthracene	0.0176	0.00500	"	0.0333	ND	52.8	30-120	13.2	30	
Fluoranthene	0.0218	0.00500	"	0.0333	ND	65.5	30-120	7.04	30	
Fluorene	0.0210	0.00500	"	0.0333	ND	63.0	30-120	9.82	30	
Indeno (1,2,3-cd) pyrene	0.0244	0.00500	"	0.0333	ND	73.2	30-120	37.9	30	QR-02
Pyrene	0.0349	0.00500	"	0.0333	ND	105	35-142	24.6	30	
1-Methylnaphthalene	0.0202	0.00500	"	0.0333	ND	60.6	15-130	14.2	50	
2-Methylnaphthalene	0.0178	0.00500	"	0.0333	ND	53.5	15-130	16.7	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0208*		*"*	*0.0333*		*62.3*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0245*		*"*	*0.0333*		*73.5*	*40-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 04/26/23 13:28

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 26, 2023

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

RE: DCP - COAN AT-1-1
Work Order #2304446

Enclosed are the results of analyses for samples received by Summit Scientific on 04/20/23 15:51. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mikayla Axtell For Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Source@20'	2304446-01	Soil	04/20/23 07:38	04/20/23 15:51
Source@26'	2304446-02	Soil	04/20/23 08:27	04/20/23 15:51
NW-12'@14'	2304446-03	Soil	04/20/23 09:09	04/20/23 15:51
SW-15'@8'	2304446-04	Soil	04/20/23 09:38	04/20/23 15:51

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2304446	

	Send Data To:	Send Invoice To:
Client: DCP / TASMAN	Project Manager: JEB WATTS / CHANDLER COLE	Company: DCP
Address: 6855 W. 119th Ave.	E-Mail: rcole@dcpmidstream.com; stephen.w.watts@p66.com	Project Name/Location: COAN AT-1-1
City/State/Zip: Broomfield, CO, 80020	vscruggs@tasmanagpo.com; jwatts@tasmanagpo.com	AFE#:
Phone: 303-487-1228	Project Name: COAN AT-1-1	PO/Billing Codes:
Sampler Name: WADE SCRUGGS	Project Number:	Contact: Chandler Cole

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	915 VOCs + TPH	915 PAHs ★	915 Inorganics						★ 915 PAHs only: Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Fluorene, Pyrene, 1+2-methylnaphthalene
1	Source @ 20'	~~4/19/23~~ 4/20/23	0738	2			X			X			X	X	H						
2	Source @ 26'	4/20/23	0827	2			X			X			X	X	H						
3	NW-12 @ 14'	4/20/23	0909	2			X			X			X	X	H						@ 14'
4	SW-15 @ 8'	4/20/23	0938	2			X			X			X	X	H						
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:	TAT Business Days		Field DO	
	4/20/23 1551			Same Day		Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day		Field ORP	
				2 Days	X	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time: 4.20.23 1551	3 Days		Field Temp.	
				Standard		Field Turb.	

Notes: Data requested by 7 am 4/24 (Monday)

Temperature Upon Receipt: 4.2	Corrected Temperature ___	IR gun #: ___	HNO3 lot #: ___

S2

Sample Receipt Checklist

S2 Work Order# 2304446

Client: DCP/Tasman Client Project ID: Coan AT-1-1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: _____

[x] [ ] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [x] Water [ ] Other [ ]

Temp (°C) 4.2 Thermometer # 2

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? (1) **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	✓			
If custody seals are present, are they intact? (1)			✓	
Are samples due within 48 hours present?	✓			~~2~~ 48hr
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen			✓	
Is a chain-of-custody (COC) form present and filled out Completely? (1)	✓			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	✓			
Were all samples received intact? (1)	✓			
Was adequate sample volume provided? (1)	✓			
Does the COC agree with the number and type of sample bottles received? (1)	✓			
Do the sample IDs on the bottle labels match the COC?(1)	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			✓	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			✓	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
(1) **If NO, then contact the client before proceeding with analysis and note in case narrative.**				

AT — **Custodian Printed Name**

4.20.23 — **Date/Time**

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Source@20'

2304446-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/23 07:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**4.3**	0.020	mg/kg	10	BGD0690	04/21/23	04/22/23	EPA 8260B	
Toluene	**27**	0.050	"	"	"	"	"	"	E
Ethylbenzene	**8.5**	0.050	"	"	"	"	"	"	E
Xylenes (total)	**44**	0.10	"	"	"	"	"	"	E
1,2,4-Trimethylbenzene	**22**	0.050	"	"	"	"	"	"	E
1,3,5-Trimethylbenzene	**7.0**	0.050	"	"	"	"	"	"	E
Naphthalene	**5.1**	0.038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	**1400**	5.0	"	"	"	"	"	"	E

Date Sampled: **04/20/23 07:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0597	*149 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0358	*89.5 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0759	*190 %*	*50-150*		"	"	"	"	*S-02*

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/20/23 07:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	**4300**	50	mg/kg	1	BGD0693	04/21/23	04/22/23	EPA 8015M	
C28-C36 (ORO)	**260**	50	"	"	"	"	"	"	

Date Sampled: **04/20/23 07:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	19.8	*159 %*	*30-150*		"	"	"	"	*S-02*

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Source@20'

2304446-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/20/23 07:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	**0.661**	0.0500	mg/kg	10	BGD0704	04/21/23	04/22/23	EPA 8270D SIM	
Benzo (b) fluoranthene	**0.273**	0.0500	"	"	"	"	"	"	
Chrysene	**0.892**	0.0500	"	"	"	"	"	"	
Fluoranthene	**0.547**	0.0500	"	"	"	"	"	"	
Fluorene	**1.57**	0.0500	"	"	"	"	"	"	
Pyrene	**0.800**	0.0500	"	"	"	"	"	"	
1-Methylnaphthalene	**9.24**	0.0500	"	"	"	"	"	"	E
2-Methylnaphthalene	**16.7**	0.0500	"	"	"	"	"	"	E

Date Sampled: **04/20/23 07:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0316	*94.8 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0387	*116 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Source@26'

2304446-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/23 08:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.026**	0.0020	mg/kg	1	BGD0690	04/21/23	04/22/23	EPA 8260B	
Toluene	**0.023**	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.029**	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**0.0077**	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	**0.020**	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	**0.69**	0.50	"	"	"	"	"	"	

Date Sampled: **04/20/23 08:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0448	*112 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0363	*90.8 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0511	*128 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/20/23 08:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0693	04/21/23	04/22/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/20/23 08:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.1	*97.0 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Source@26'

2304446-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/20/23 08:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0704	04/21/23	04/22/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/20/23 08:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0313	*94.0 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0248	*74.5 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

NW-12'@14'

2304446-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/23 09:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0690	04/21/23	04/22/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/20/23 09:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0442	*110 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0380	*95.0 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0437	*109 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/20/23 09:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0693	04/21/23	04/22/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/20/23 09:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.2	*89.8 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

NW-12'@14'

2304446-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/20/23 09:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0704	04/21/23	04/22/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/20/23 09:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0256	*76.8 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0228	*68.4 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

SW-15'@8'

2304446-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/23 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.0068**	0.0020	mg/kg	1	BGD0690	04/21/23	04/22/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.028**	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**0.035**	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	**0.038**	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/20/23 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0399	*99.8 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0412	*103 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0475	*119 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/20/23 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0693	04/21/23	04/22/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/20/23 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.2	*81.8 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

SW-15'@8'

2304446-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/20/23 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0704	04/21/23	04/22/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	**0.0235**	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	**0.0202**	0.00500	"	"	"	"	"	"	

Date Sampled: **04/20/23 09:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0270	*80.9 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0256	*76.9 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0690 - EPA 5030 Soil MS										
Blank (BGD0690-BLK1)				Prepared & Analyzed: 04/21/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0424*		*"*	*0.0400*		*106*	*50-150*			
Surrogate: Toluene-d8	*0.0403*		*"*	*0.0400*		*101*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0423*		*"*	*0.0400*		*106*	*50-150*			
LCS (BGD0690-BS1)				Prepared & Analyzed: 04/21/23						
Benzene	0.0963	0.0020	mg/kg	0.100		96.3	70-130			
Toluene	0.0892	0.0050	"	0.100		89.2	70-130			
Ethylbenzene	0.0836	0.0050	"	0.100		83.6	70-130			
m,p-Xylene	0.191	0.010	"	0.200		95.4	70-130			
o-Xylene	0.0804	0.0050	"	0.100		80.4	70-130			
1,2,4-Trimethylbenzene	0.0947	0.0050	"	0.100		94.7	70-130			
1,3,5-Trimethylbenzene	0.0920	0.0050	"	0.100		92.0	70-130			
Naphthalene	0.0870	0.0038	"	0.100		87.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0458*		*"*	*0.0400*		*114*	*50-150*			
Surrogate: Toluene-d8	*0.0389*		*"*	*0.0400*		*97.3*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0408*		*"*	*0.0400*		*102*	*50-150*			
Matrix Spike (BGD0690-MS1)		**Source: 2304401-01**		Prepared & Analyzed: 04/21/23						
Benzene	0.0950	0.0020	mg/kg	0.100	ND	95.0	70-130			
Toluene	0.0919	0.0050	"	0.100	ND	91.9	70-130			
Ethylbenzene	0.105	0.0050	"	0.100	ND	105	70-130			
m,p-Xylene	0.216	0.010	"	0.200	ND	108	70-130			
o-Xylene	0.107	0.0050	"	0.100	ND	107	70-130			
1,2,4-Trimethylbenzene	0.113	0.0050	"	0.100	ND	113	70-130			
1,3,5-Trimethylbenzene	0.103	0.0050	"	0.100	ND	103	70-130			
Naphthalene	0.117	0.0038	"	0.100	ND	117	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0427*		*"*	*0.0400*		*107*	*50-150*			
Surrogate: Toluene-d8	*0.0411*		*"*	*0.0400*		*103*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0403*		*"*	*0.0400*		*101*	*50-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0690 - EPA 5030 Soil MS										
Matrix Spike Dup (BGD0690-MSD1)	**Source: 2304401-01**			Prepared & Analyzed: 04/21/23						
Benzene	0.0939	0.0020	mg/kg	0.100	ND	93.9	70-130	1.21	30	
Toluene	0.0885	0.0050	"	0.100	ND	88.5	70-130	3.76	30	
Ethylbenzene	0.112	0.0050	"	0.100	ND	112	70-130	5.83	30	
m,p-Xylene	0.207	0.010	"	0.200	ND	104	70-130	3.93	30	
o-Xylene	0.113	0.0050	"	0.100	ND	113	70-130	5.37	30	
1,2,4-Trimethylbenzene	0.101	0.0050	"	0.100	ND	101	70-130	10.6	30	
1,3,5-Trimethylbenzene	0.0987	0.0050	"	0.100	ND	98.7	70-130	4.66	30	
Naphthalene	0.0977	0.0038	"	0.100	ND	97.7	70-130	18.0	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0460*		*"*	*0.0400*		*115*	*50-150*			
Surrogate: Toluene-d8	*0.0395*		*"*	*0.0400*		*98.8*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0396*		*"*	*0.0400*		*98.9*	*50-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0693 - EPA 3550A										
Blank (BGD0693-BLK1)				Prepared & Analyzed: 04/21/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*13.2*		*"*	*12.5*		*106*	*30-150*			
LCS (BGD0693-BS1)				Prepared & Analyzed: 04/21/23						
C10-C28 (DRO)	474	50	mg/kg	500		94.8	70-130			
Surrogate: o-Terphenyl	*14.8*		*"*	*12.5*		*118*	*30-150*			
Matrix Spike (BGD0693-MS1)	**Source: 2304401-01**			Prepared & Analyzed: 04/21/23						
C10-C28 (DRO)	471	50	mg/kg	500	ND	94.2	70-130			
Surrogate: o-Terphenyl	*11.2*		*"*	*12.5*		*89.6*	*30-150*			
Matrix Spike Dup (BGD0693-MSD1)	**Source: 2304401-01**			Prepared & Analyzed: 04/21/23						
C10-C28 (DRO)	512	50	mg/kg	500	ND	102	70-130	8.31	20	
Surrogate: o-Terphenyl	*11.8*		*"*	*12.5*		*94.6*	*30-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0704 - EPA 5030 Soil MS										
Blank (BGD0704-BLK1)				Prepared: 04/21/23 Analyzed: 04/22/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0351*		*"*	*0.0333*		*105*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0327*		*"*	*0.0333*		*98.0*	*40-150*			
LCS (BGD0704-BS1)				Prepared: 04/21/23 Analyzed: 04/22/23						
Acenaphthene	0.0314	0.00500	mg/kg	0.0333		94.2	31-137			
Anthracene	0.0341	0.00500	"	0.0333		102	30-120			
Benzo (a) anthracene	0.0290	0.00500	"	0.0333		86.9	30-120			
Benzo (a) pyrene	0.0260	0.00500	"	0.0333		78.1	30-120			
Benzo (b) fluoranthene	0.0321	0.00500	"	0.0333		96.3	30-120			
Benzo (k) fluoranthene	0.0382	0.00500	"	0.0333		114	30-120			
Chrysene	0.0316	0.00500	"	0.0333		94.8	30-120			
Dibenz (a,h) anthracene	0.0176	0.00500	"	0.0333		52.8	30-120			
Fluoranthene	0.0358	0.00500	"	0.0333		107	30-120			
Fluorene	0.0335	0.00500	"	0.0333		101	30-120			
Indeno (1,2,3-cd) pyrene	0.0173	0.00500	"	0.0333		51.9	30-120			
Pyrene	0.0373	0.00500	"	0.0333		112	35-142			
1-Methylnaphthalene	0.0305	0.00500	"	0.0333		91.5	35-142			
2-Methylnaphthalene	0.0351	0.00500	"	0.0333		105	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0325*		*"*	*0.0333*		*97.4*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0376*		*"*	*0.0333*		*113*	*40-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0704 - EPA 5030 Soil MS										
Matrix Spike (BGD0704-MS1)	**Source: 2304258-02**			Prepared: 04/21/23 Analyzed: 04/22/23						
Acenaphthene	0.0225	0.00500	mg/kg	0.0333	ND	67.4	31-137			
Anthracene	0.0266	0.00500	"	0.0333	ND	79.9	30-120			
Benzo (a) anthracene	0.0233	0.00500	"	0.0333	ND	70.0	30-120			
Benzo (a) pyrene	0.0234	0.00500	"	0.0333	ND	70.2	30-120			
Benzo (b) fluoranthene	0.0253	0.00500	"	0.0333	ND	76.0	30-120			
Benzo (k) fluoranthene	0.0354	0.00500	"	0.0333	ND	106	30-120			
Chrysene	0.0249	0.00500	"	0.0333	ND	74.7	30-120			
Dibenz (a,h) anthracene	0.0156	0.00500	"	0.0333	ND	46.8	30-120			
Fluoranthene	0.0280	0.00500	"	0.0333	ND	84.1	30-120			
Fluorene	0.0249	0.00500	"	0.0333	ND	74.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0139	0.00500	"	0.0333	ND	41.8	30-120			
Pyrene	0.0299	0.00500	"	0.0333	ND	89.7	35-142			
1-Methylnaphthalene	0.0267	0.00500	"	0.0333	ND	80.2	15-130			
2-Methylnaphthalene	0.0286	0.00500	"	0.0333	ND	85.8	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0285*		*"*	*0.0333*		*85.6*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0300*		*"*	*0.0333*		*90.0*	*40-150*			
Matrix Spike Dup (BGD0704-MSD1)	**Source: 2304258-02**			Prepared: 04/21/23 Analyzed: 04/22/23						
Acenaphthene	0.0264	0.00500	mg/kg	0.0333	ND	79.3	31-137	16.3	30	
Anthracene	0.0277	0.00500	"	0.0333	ND	83.0	30-120	3.83	30	
Benzo (a) anthracene	0.0237	0.00500	"	0.0333	ND	71.2	30-120	1.70	30	
Benzo (a) pyrene	0.0208	0.00500	"	0.0333	ND	62.4	30-120	11.8	30	
Benzo (b) fluoranthene	0.0262	0.00500	"	0.0333	ND	78.6	30-120	3.39	30	
Benzo (k) fluoranthene	0.0359	0.00500	"	0.0333	ND	108	30-120	1.62	30	
Chrysene	0.0254	0.00500	"	0.0333	ND	76.3	30-120	2.11	30	
Dibenz (a,h) anthracene	0.0139	0.00500	"	0.0333	ND	41.8	30-120	11.3	30	
Fluoranthene	0.0291	0.00500	"	0.0333	ND	87.3	30-120	3.75	30	
Fluorene	0.0266	0.00500	"	0.0333	ND	79.7	30-120	6.45	30	
Indeno (1,2,3-cd) pyrene	0.0149	0.00500	"	0.0333	ND	44.6	30-120	6.45	30	
Pyrene	0.0305	0.00500	"	0.0333	ND	91.5	35-142	2.00	30	
1-Methylnaphthalene	0.0290	0.00500	"	0.0333	ND	87.0	15-130	8.13	50	
2-Methylnaphthalene	0.0293	0.00500	"	0.0333	ND	87.8	15-130	2.31	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0298*		*"*	*0.0333*		*89.4*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0295*		*"*	*0.0333*		*88.4*	*40-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/26/23 16:50

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 25, 2023

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

RE: DCP - COAN AT-1-1
Work Order #2304517

Enclosed are the results of analyses for samples received by Summit Scientific on 04/24/23 17:43. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/25/23 06:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Source@35'	2304517-01	Soil	04/24/23 13:56	04/24/23 17:43

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
517	

	Send Data To:	Send Invoice To:
Client: DCP / Tagman	Project Manager: Chandler Cole / Jeb Watts	Company: DCP
Address: 6855 W. 119th Ave	E-Mail: ccole@dcpmidstream.com; stephen.w.smith@dcpmidstream.com	Project Name/Location: Coan AT-1-1
City/State/Zip: Broomfield CO 80020	jwatts@tagman-gp.com; lscruggs@tagman-gp.com	AFE#:
Phone: 303 487 1178	Project Name: Coan AT-1-1	PO/Billing Codes:
Sampler Name: VADE SCRUGGS	Project Number:	Contact: Chandler Cole

					Preservative				Matrix				Analysis Requested									Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	915 VOCs + TPH	915 PAHs	915 Tracers							H = Hold
1	Source @ 35'	4/24/23	1356	2			X			X			X	H	H							
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						

Relinquished by:	Date/Time:	Received by:	Date/Time:
	1742 4/24/23	Scott Sloan	4/24/23 1743
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

TAT Business Days	
Same Day	X
1 Day	
2 Days	
3 Days	
Standard	

Field DO	
Field EC	
Field ORP	
Field pH	
Field Temp.	
Field Turb.	

Notes:

Temperature Upon Receipt: 7.1

Corrected Temperature 5.6 (5.4+0.2)

IR gun #: 02

HNO3 lot #:

S2

Sample Receipt Checklist

S2 Work Order# 2304517

Client: DCP / Tasman Client Project ID: 4/24/23 ~~Coal~~ Coal AT-1-1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: _____

[✓] [ ] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [✓] Water [ ] Other [ ]

Temp (°C) 7.1 Thermometer # 02

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? (1) **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	✓			On Ice
If custody seals are present, are they intact? (1)			✓	
Are samples due within 48 hours present?	✓			Same day
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen			✓	
Is a chain-of-custody (COC) form present and filled out Completely? (1)	✓			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	✓			
Were all samples received intact? (1)	✓			
Was adequate sample volume provided? (1)	✓			
Does the COC agree with the number and type of sample bottles received? (1)	✓			
Do the sample IDs on the bottle labels match the COC? (1)	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			✓	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			✓	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
(1) If NO, then contact the client before proceeding with analysis and note in case narrative.				

A
Custodian Printed Name

4/24/23 1743
Date/Time

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/25/23 06:17

Source@35'

2304517-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/24/23 13:56**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.016**	0.0020	mg/kg	1	BGD0807	04/24/23	04/24/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.026**	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/24/23 13:56**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0566	*141 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0338	*84.4 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0390	*97.5 %*	*50-150*		"	"	"	"	

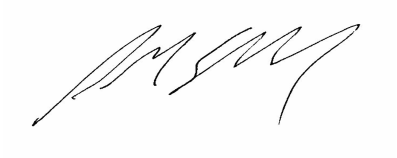
Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/24/23 13:56**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0808	04/24/23	04/24/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/24/23 13:56**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.4	*90.8 %*	*30-150*		"	"	"	"	



Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/25/23 06:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0807 - EPA 5030 Soil MS										
Blank (BGD0807-BLK1)				Prepared: 04/24/23 Analyzed: 04/25/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0399*		*"*	*0.0400*		*99.7*	*50-150*			
Surrogate: Toluene-d8	*0.0392*		*"*	*0.0400*		*97.9*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0395*		*"*	*0.0400*		*98.8*	*50-150*			
LCS (BGD0807-BS1)				Prepared: 04/24/23 Analyzed: 04/25/23						
Benzene	0.0789	0.0020	mg/kg	0.100		78.9	70-130			
Toluene	0.0900	0.0050	"	0.100		90.0	70-130			
Ethylbenzene	0.108	0.0050	"	0.100		108	70-130			
m,p-Xylene	0.219	0.010	"	0.200		110	70-130			
o-Xylene	0.130	0.0050	"	0.100		130	70-130			
1,2,4-Trimethylbenzene	0.112	0.0050	"	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.115	0.0050	"	0.100		115	70-130			
Naphthalene	0.0934	0.0038	"	0.100		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0351*		*"*	*0.0400*		*87.8*	*50-150*			
Surrogate: Toluene-d8	*0.0386*		*"*	*0.0400*		*96.4*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0402*		*"*	*0.0400*		*101*	*50-150*			
Matrix Spike (BGD0807-MS1)		**Source: 2304514-01**		Prepared: 04/24/23 Analyzed: 04/25/23						
Benzene	0.0926	0.0020	mg/kg	0.100	ND	92.6	70-130			
Toluene	0.102	0.0050	"	0.100	ND	102	70-130			
Ethylbenzene	0.103	0.0050	"	0.100	ND	103	70-130			
m,p-Xylene	0.222	0.010	"	0.200	ND	111	70-130			
o-Xylene	0.105	0.0050	"	0.100	ND	105	70-130			
1,2,4-Trimethylbenzene	0.112	0.0050	"	0.100	ND	112	70-130			
1,3,5-Trimethylbenzene	0.113	0.0050	"	0.100	ND	113	70-130			
Naphthalene	0.0785	0.0038	"	0.100	ND	78.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0350*		*"*	*0.0400*		*87.4*	*50-150*			
Surrogate: Toluene-d8	*0.0392*		*"*	*0.0400*		*97.9*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0370*		*"*	*0.0400*		*92.6*	*50-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/25/23 06:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0807 - EPA 5030 Soil MS										
Matrix Spike Dup (BGD0807-MSD1)	**Source: 2304514-01**			Prepared: 04/24/23 Analyzed: 04/25/23						
Benzene	0.0882	0.0020	mg/kg	0.100	ND	88.2	70-130	4.81	30	
Toluene	0.124	0.0050	"	0.100	ND	124	70-130	19.2	30	
Ethylbenzene	0.106	0.0050	"	0.100	ND	106	70-130	2.30	30	
m,p-Xylene	0.225	0.010	"	0.200	ND	113	70-130	1.40	30	
o-Xylene	0.106	0.0050	"	0.100	ND	106	70-130	0.912	30	
1,2,4-Trimethylbenzene	0.111	0.0050	"	0.100	ND	111	70-130	0.836	30	
1,3,5-Trimethylbenzene	0.115	0.0050	"	0.100	ND	115	70-130	1.98	30	
Naphthalene	0.0807	0.0038	"	0.100	ND	80.7	70-130	2.79	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0328*		"	*0.0400*		*82.1*	*50-150*			
Surrogate: Toluene-d8	*0.0475*		"	*0.0400*		*119*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0378*		"	*0.0400*		*94.6*	*50-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/25/23 06:17

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0808 - EPA 3550A										
Blank (BGD0808-BLK1)				Prepared: 04/24/23 Analyzed: 04/25/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*16.4*		*"*	*12.5*		*132*	*30-150*			
LCS (BGD0808-BS1)				Prepared: 04/24/23 Analyzed: 04/25/23						
C10-C28 (DRO)	514	50	mg/kg	500		103	70-130			
Surrogate: o-Terphenyl	*15.8*		*"*	*12.5*		*126*	*30-150*			
Matrix Spike (BGD0808-MS1)	**Source: 2304514-01**			Prepared: 04/24/23 Analyzed: 04/25/23						
C10-C28 (DRO)	506	50	mg/kg	500	47.2	91.8	70-130			
Surrogate: o-Terphenyl	*17.4*		*"*	*12.5*		*139*	*30-150*			
Matrix Spike Dup (BGD0808-MSD1)	**Source: 2304514-01**			Prepared: 04/24/23 Analyzed: 04/25/23						
C10-C28 (DRO)	559	50	mg/kg	500	47.2	102	70-130	9.94	20	
Surrogate: o-Terphenyl	*12.8*		*"*	*12.5*		*103*	*30-150*			

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 04/25/23 06:17

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 02, 2023

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

RE: DCP - COAN AT-1-1
Work Order #2304529

Enclosed are the results of analyses for samples received by Summit Scientific on 04/25/23 15:58. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott Sheely For Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Source@37'	2304529-01	Soil	04/25/23 11:15	04/25/23 15:58
SW-24'@16'	2304529-02	Soil	04/25/23 13:18	04/25/23 15:58

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2304529	

	Send Data To:	Send Invoice To:
Client: DCP / Tasman	Project Manager: Jeb Wirtz / Chandler Cole	Company: DCP
Address: 6855 W. 119th Ave.	E-Mail: DCP/Tasman distro list	Project Name/Location: Coan AT-1-1
City/State/Zip: Broomfield CO 80020		AFE#:
Phone: 303 487 1129	Project Name: Coan AT-1-1	PO/Billing Codes:
Sampler Name: Vaole Scruggs	Project Number:	Contact: Chandler Cole

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	915 VOCs + TPH	915 PAHs	915 Inorganics						H = hold
1	Source @ 37'	4/25/23	1115	2			X			X			X	H	H						
2	SW-24' @ 16'	4/25/23	1318	2			X			X			X	H	H						
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:	TAT Business Days		Field DO	
Vaole Scruggs	4/25/23 1457	Scott Sleeky	4/25/23 1558	Same Day	X	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day		Field ORP	
				2 Days		Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days		Field Temp.	
				Standard		Field Turb.	
Temperature Upon Receipt: 3.8		Corrected Temperature: —	IR gun #: 02	HNO3 lot #:			

Notes:

S2

S2 Work Order# 2304529

Sample Receipt Checklist

Client: DCP/Tasman Client Project ID: Coan AT-1-1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: _____

[/] [ ] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [/] Water [ ] Other [ ]

Temp (°C) 3.8 Thermometer # 02

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? (1) **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	/			on Ice
If custody seals are present, are they intact? (1)			/	
Are samples due within 48 hours present?	/			same day
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen			/	
Is a chain-of-custody (COC) form present and filled out Completely? (1)	/			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	/			
Were all samples received intact? (1)	/			
Was adequate sample volume provided? (1)	/			
Does the COC agree with the number and type of sample bottles received? (1)	/			
Do the sample IDs on the bottle labels match the COC?(1)	/			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			/	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			/	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			/	
If dissolved metals are requested, were samples field filtered?			/	
Additional Comments (if any):				

(1) **If NO, then contact the client before proceeding with analysis and note in case narrative.**

JL — 4/25/23 1558

Custodian Printed Name **Date/Time**

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

Source@37'

2304529-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/23 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0848	04/25/23	04/25/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/25/23 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0434	*109 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0414	*104 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0422	*106 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

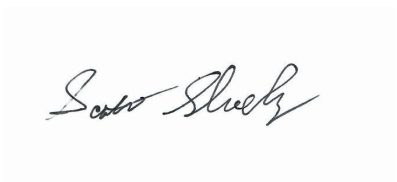
Date Sampled: **04/25/23 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0849	"	04/25/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/25/23 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	16.7	*133 %*	*30-150*		"	"	*04/25/23*	"	

PAH by EPA Method 8270D SIM



Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

Source@37'

2304529-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/25/23 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0910	04/27/23	04/27/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/25/23 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0244	*73.2 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0268	*80.4 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

SW-24'@16'

2304529-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGD0848	04/25/23	04/25/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/25/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0382	*95.4 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0387	*96.8 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0384	*96.0 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/25/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGD0849	"	04/25/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/25/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	16.7	*133 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

SW-24'@16'

2304529-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/25/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGD0910	04/27/23	04/27/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/25/23 13:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0180	*54.1 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0204	*61.1 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0848 - EPA 5030 Soil MS										
Blank (BGD0848-BLK1)				Prepared: 04/25/23 Analyzed: 04/26/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0422*		*"*	*0.0400*		*105*	*50-150*			
Surrogate: Toluene-d8	*0.0403*		*"*	*0.0400*		*101*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0438*		*"*	*0.0400*		*110*	*50-150*			
LCS (BGD0848-BS1)				Prepared: 04/25/23 Analyzed: 04/26/23						
Benzene	0.0803	0.0020	mg/kg	0.100		80.3	70-130			
Toluene	0.0851	0.0050	"	0.100		85.1	70-130			
Ethylbenzene	0.110	0.0050	"	0.100		110	70-130			
m,p-Xylene	0.256	0.010	"	0.200		128	70-130			
o-Xylene	0.113	0.0050	"	0.100		113	70-130			
1,2,4-Trimethylbenzene	0.126	0.0050	"	0.100		126	70-130			
1,3,5-Trimethylbenzene	0.118	0.0050	"	0.100		118	70-130			
Naphthalene	0.0970	0.0038	"	0.100		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0342*		*"*	*0.0400*		*85.6*	*50-150*			
Surrogate: Toluene-d8	*0.0389*		*"*	*0.0400*		*97.2*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0364*		*"*	*0.0400*		*90.9*	*50-150*			
Matrix Spike (BGD0848-MS1)	**Source: 2304529-01**			Prepared: 04/25/23 Analyzed: 04/26/23						
Benzene	0.0768	0.0020	mg/kg	0.100	ND	76.8	70-130			
Toluene	0.118	0.0050	"	0.100	ND	118	70-130			
Ethylbenzene	0.105	0.0050	"	0.100	ND	105	70-130			
m,p-Xylene	0.216	0.010	"	0.200	ND	108	70-130			
o-Xylene	0.0901	0.0050	"	0.100	ND	90.1	70-130			
1,2,4-Trimethylbenzene	0.108	0.0050	"	0.100	ND	108	70-130			
1,3,5-Trimethylbenzene	0.117	0.0050	"	0.100	ND	117	70-130			
Naphthalene	0.0982	0.0038	"	0.100	ND	98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0313*		*"*	*0.0400*		*78.2*	*50-150*			
Surrogate: Toluene-d8	*0.0525*		*"*	*0.0400*		*131*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0393*		*"*	*0.0400*		*98.2*	*50-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0848 - EPA 5030 Soil MS										
Matrix Spike Dup (BGD0848-MSD1)	**Source: 2304529-01**			Prepared: 04/25/23 Analyzed: 04/26/23						
Benzene	0.0813	0.0020	mg/kg	0.100	ND	81.3	70-130	5.77	30	
Toluene	0.0976	0.0050	"	0.100	ND	97.6	70-130	19.1	30	
Ethylbenzene	0.121	0.0050	"	0.100	ND	121	70-130	14.3	30	
m,p-Xylene	0.241	0.010	"	0.200	ND	120	70-130	10.8	30	
o-Xylene	0.115	0.0050	"	0.100	ND	115	70-130	24.2	30	
1,2,4-Trimethylbenzene	0.0936	0.0050	"	0.100	ND	93.6	70-130	14.3	30	
1,3,5-Trimethylbenzene	0.101	0.0050	"	0.100	ND	101	70-130	15.0	30	
Naphthalene	0.0811	0.0038	"	0.100	ND	81.1	70-130	19.2	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0335*		"	*0.0400*		*83.8*	*50-150*			
Surrogate: Toluene-d8	*0.0363*		"	*0.0400*		*90.8*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0437*		"	*0.0400*		*109*	*50-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0849 - EPA 3550A										
Blank (BGD0849-BLK1)				Prepared: 04/25/23 Analyzed: 04/26/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*15.6*		*"*	*12.5*		*125*	*30-150*			
LCS (BGD0849-BS1)				Prepared: 04/25/23 Analyzed: 04/26/23						
C10-C28 (DRO)	541	50	mg/kg	500		108	70-130			
Surrogate: o-Terphenyl	*16.6*		*"*	*12.5*		*132*	*30-150*			
Matrix Spike (BGD0849-MS1)	**Source: 2304529-01**			Prepared: 04/25/23 Analyzed: 04/26/23						
C10-C28 (DRO)	488	50	mg/kg	500	30.2	91.5	70-130			
Surrogate: o-Terphenyl	*12.2*		*"*	*12.5*		*97.7*	*30-150*			
Matrix Spike Dup (BGD0849-MSD1)	**Source: 2304529-01**			Prepared: 04/25/23 Analyzed: 04/26/23						
C10-C28 (DRO)	579	50	mg/kg	500	30.2	110	70-130	17.1	20	
Surrogate: o-Terphenyl	*13.8*		*"*	*12.5*		*111*	*30-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

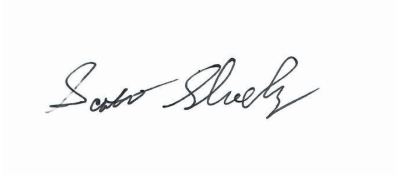
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0910 - EPA 5030 Soil MS										
Blank (BGD0910-BLK1)				Prepared & Analyzed: 04/27/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0257*		*"*	*0.0333*		*77.2*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0366*		*"*	*0.0333*		*110*	*40-150*			
LCS (BGD0910-BS1)				Prepared & Analyzed: 04/27/23						
Acenaphthene	0.0333	0.00500	mg/kg	0.0333		99.9	31-137			
Anthracene	0.0342	0.00500	"	0.0333		103	30-120			
Benzo (a) anthracene	0.0349	0.00500	"	0.0333		105	30-120			
Benzo (a) pyrene	0.0338	0.00500	"	0.0333		101	30-120			
Benzo (b) fluoranthene	0.0331	0.00500	"	0.0333		99.3	30-120			
Benzo (k) fluoranthene	0.0354	0.00500	"	0.0333		106	30-120			
Chrysene	0.0366	0.00500	"	0.0333		110	30-120			
Dibenz (a,h) anthracene	0.0301	0.00500	"	0.0333		90.3	30-120			
Fluoranthene	0.0352	0.00500	"	0.0333		106	30-120			
Fluorene	0.0337	0.00500	"	0.0333		101	30-120			
Indeno (1,2,3-cd) pyrene	0.0322	0.00500	"	0.0333		96.5	30-120			
Pyrene	0.0369	0.00500	"	0.0333		111	35-142			
1-Methylnaphthalene	0.0276	0.00500	"	0.0333		82.7	35-142			
2-Methylnaphthalene	0.0321	0.00500	"	0.0333		96.3	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0292*		*"*	*0.0333*		*87.6*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0356*		*"*	*0.0333*		*107*	*40-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGD0910 - EPA 5030 Soil MS										
Matrix Spike (BGD0910-MS1)	**Source: 2304529-01**			Prepared & Analyzed: 04/27/23						
Acenaphthene	0.0215	0.00500	mg/kg	0.0333	ND	64.4	31-137			
Anthracene	0.0227	0.00500	"	0.0333	ND	68.2	30-120			
Benzo (a) anthracene	0.0235	0.00500	"	0.0333	ND	70.4	30-120			
Benzo (a) pyrene	0.0223	0.00500	"	0.0333	ND	67.0	30-120			
Benzo (b) fluoranthene	0.0214	0.00500	"	0.0333	ND	64.3	30-120			
Benzo (k) fluoranthene	0.0228	0.00500	"	0.0333	ND	68.4	30-120			
Chrysene	0.0244	0.00500	"	0.0333	ND	73.1	30-120			
Dibenz (a,h) anthracene	0.0189	0.00500	"	0.0333	ND	56.6	30-120			
Fluoranthene	0.0233	0.00500	"	0.0333	ND	69.8	30-120			
Fluorene	0.0220	0.00500	"	0.0333	ND	65.9	30-120			
Indeno (1,2,3-cd) pyrene	0.0208	0.00500	"	0.0333	ND	62.3	30-120			
Pyrene	0.0253	0.00500	"	0.0333	ND	75.9	35-142			
1-Methylnaphthalene	0.0193	0.00500	"	0.0333	ND	57.9	15-130			
2-Methylnaphthalene	0.0209	0.00500	"	0.0333	ND	62.8	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0191*		*"*	*0.0333*		*57.4*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0244*		*"*	*0.0333*		*73.1*	*40-150*			
Matrix Spike Dup (BGD0910-MSD1)	**Source: 2304529-01**			Prepared & Analyzed: 04/27/23						
Acenaphthene	0.0228	0.00500	mg/kg	0.0333	ND	68.4	31-137	6.00	30	
Anthracene	0.0248	0.00500	"	0.0333	ND	74.4	30-120	8.69	30	
Benzo (a) anthracene	0.0250	0.00500	"	0.0333	ND	74.9	30-120	6.11	30	
Benzo (a) pyrene	0.0242	0.00500	"	0.0333	ND	72.7	30-120	8.23	30	
Benzo (b) fluoranthene	0.0227	0.00500	"	0.0333	ND	68.1	30-120	5.79	30	
Benzo (k) fluoranthene	0.0246	0.00500	"	0.0333	ND	73.8	30-120	7.57	30	
Chrysene	0.0260	0.00500	"	0.0333	ND	78.1	30-120	6.62	30	
Dibenz (a,h) anthracene	0.0196	0.00500	"	0.0333	ND	58.8	30-120	3.67	30	
Fluoranthene	0.0241	0.00500	"	0.0333	ND	72.4	30-120	3.62	30	
Fluorene	0.0234	0.00500	"	0.0333	ND	70.1	30-120	6.16	30	
Indeno (1,2,3-cd) pyrene	0.0225	0.00500	"	0.0333	ND	67.4	30-120	7.82	30	
Pyrene	0.0261	0.00500	"	0.0333	ND	78.4	35-142	3.31	30	
1-Methylnaphthalene	0.0245	0.00500	"	0.0333	ND	73.6	15-130	23.9	50	
2-Methylnaphthalene	0.0252	0.00500	"	0.0333	ND	75.5	15-130	18.3	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0247*		*"*	*0.0333*		*74.0*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0251*		*"*	*0.0333*		*75.2*	*40-150*			



S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Jeb Watts	**Reported:** 05/02/23 14:41

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 10, 2023

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

RE: DCP - COAN AT-1-1
Work Order #2305077

Enclosed are the results of analyses for samples received by Summit Scientific on 05/03/23 18:11. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott Sheely For Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NW-12'@32'	2305077-01	Soil	05/03/23 11:54	05/03/23 18:11
NE-14'@32'	2305077-02	Soil	05/03/23 12:06	05/03/23 18:11
NE-Base'@37'	2305077-03	Soil	05/03/23 15:35	05/03/23 18:11

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2305077	

	Send Data To:	Send Invoice To:
Client:	Project Manager: Jeb Watts / Chandler Cole	Company:
Address: 6855 W 119th Ave	E-Mail: jwatts@tasman-geo.com	Project Name/Location:
City/State/Zip: Broomfield / CO / 80219	Chandler.E.Cole@P66.com / Bgabel@tasman-geo.com	AFE#:
Phone: 303-487-1228	Project Name: Coan AT-1-1	PO/Billing Codes:
Sampler Name: Brian Gabel	Project Number:	Contact:

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	8015 VOCs + TPH	8015 PAHs	6010 Inorganics						H = HOLD PAHs Only: Benzo(a)pyrene Benzo(b)fluoranthene Chrysene Fluoranthene Pyrene 1+2 methylnaphthalene
1	NW-12 @ 32'	5/3/23	1154	2			X			X			X	X	H						
2	~~SW-14 @ 32'~~	~~5/3/23~~	~~1246~~	~~2~~			~~X~~			~~X~~			~~X~~	~~X~~	~~H~~						
3	NE-14 @ 32'		1206	2			X			X			X	X	H						
4	NE Base @ 37'		1535	2			X			X			X	X	H						
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:
[signature]	5/3/23 17:10	Tasman Lockbox	5/3/23 @ 17:12
Relinquished by:	Date/Time:	Received by:	Date/Time:
Tasman Lockbox	5323 1811	[signature]	5323 1811
Relinquished by:	Date/Time:	Received by:	Date/Time:

TAT Business Days	
Same Day	X
1 Day	
2 Days	
3 Days	
Standard	

Field DO	
Field EC	
Field ORP	
Field pH	
Field Temp.	
Field Turb.	

Notes:
ID 4 = NE Base @ 37'

Temperature Upon Receipt: 11.3 | Corrected Temperature: 0 | IR gun #: 1 | HNO3 lot #:

S2

S2 Work Order#_____

Sample Receipt Checklist

Client: Tasman Client Project ID: Coon AT-1-1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: _____

[ ][–][ ][ ][ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [ ] Water [ ] Other [ ]

Temp (°C) [11.3] Thermometer # [1]

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? (1) **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	–			ON ICE
If custody seals are present, are they intact? (1)	–			
Are samples due within 48 hours present?	–			Sameday
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen		–		
Is a chain-of-custody (COC) form present and filled out Completely? (1)	–			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	–			
Were all samples received intact? (1)	✓			
Was adequate sample volume provided? (1)	✓			
Does the COC agree with the number and type of sample bottles received? (1)		✓		Sent extra sample
Do the sample IDs on the bottle labels match the COC?(1)	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			✓	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			✓	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
(1) If NO, then contact the client before proceeding with analysis and note in case narrative.				

AS

Custodian Printed Name

5/3/23

Date/Time

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

NW-12'@32'

2305077-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/03/23 11:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGE0127	05/03/23	05/04/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/03/23 11:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0401	*100 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0403	*101 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0390	*97.6 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/03/23 11:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGE0129	05/03/23	05/03/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/03/23 11:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	14.6	*117 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

NW-12'@32'

2305077-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/03/23 11:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGE0133	05/04/23	05/04/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **05/03/23 11:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0137	*41.0 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0176	*52.7 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

NE-14'@32'

2305077-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/03/23 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGE0127	05/03/23	05/04/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/03/23 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0420	*105 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0397	*99.2 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0416	*104 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/03/23 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGE0129	05/03/23	05/03/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/03/23 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	13.8	*111 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

NE-14'@32'

2305077-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/03/23 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGE0133	05/04/23	05/04/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **05/03/23 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0246	*73.9 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0153	*45.8 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

NE-Base'@37'

2305077-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/03/23 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**0.023**	0.0020	mg/kg	1	BGE0127	05/03/23	05/04/23	EPA 8260B	
Toluene	**0.022**	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.012**	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	**0.0059**	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/03/23 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0380	*95.1 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0395	*98.8 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0406	*101 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/03/23 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGE0129	05/03/23	05/03/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/03/23 15:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	13.2	*106 %*	*30-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0127 - EPA 5030 Soil MS										
Blank (BGE0127-BLK1)				Prepared: 05/03/23 Analyzed: 05/04/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0416*		*"*	*0.0400*		*104*	*50-150*			
Surrogate: Toluene-d8	*0.0422*		*"*	*0.0400*		*105*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0397*		*"*	*0.0400*		*99.3*	*50-150*			
LCS (BGE0127-BS1)				Prepared: 05/03/23 Analyzed: 05/04/23						
Benzene	0.117	0.0020	mg/kg	0.100		117	70-130			
Toluene	0.0970	0.0050	"	0.100		97.0	70-130			
Ethylbenzene	0.0845	0.0050	"	0.100		84.5	70-130			
m,p-Xylene	0.181	0.010	"	0.200		90.4	70-130			
o-Xylene	0.0840	0.0050	"	0.100		84.0	70-130			
1,2,4-Trimethylbenzene	0.0731	0.0050	"	0.100		73.1	70-130			
1,3,5-Trimethylbenzene	0.0788	0.0050	"	0.100		78.8	70-130			
Naphthalene	0.0789	0.0038	"	0.100		78.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0408*		*"*	*0.0400*		*102*	*50-150*			
Surrogate: Toluene-d8	*0.0432*		*"*	*0.0400*		*108*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0397*		*"*	*0.0400*		*99.3*	*50-150*			
Matrix Spike (BGE0127-MS1)		**Source: 2305077-01**		Prepared: 05/03/23 Analyzed: 05/04/23						
Benzene	0.112	0.0020	mg/kg	0.100	ND	112	70-130			
Toluene	0.115	0.0050	"	0.100	ND	115	70-130			
Ethylbenzene	0.0915	0.0050	"	0.100	ND	91.5	70-130			
m,p-Xylene	0.196	0.010	"	0.200	ND	97.8	70-130			
o-Xylene	0.0979	0.0050	"	0.100	ND	97.9	70-130			
1,2,4-Trimethylbenzene	0.0783	0.0050	"	0.100	ND	78.3	70-130			
1,3,5-Trimethylbenzene	0.0878	0.0050	"	0.100	ND	87.8	70-130			
Naphthalene	0.0830	0.0038	"	0.100	ND	83.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0416*		*"*	*0.0400*		*104*	*50-150*			
Surrogate: Toluene-d8	*0.0405*		*"*	*0.0400*		*101*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0397*		*"*	*0.0400*		*99.2*	*50-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0127 - EPA 5030 Soil MS										
Matrix Spike Dup (BGE0127-MSD1)	**Source: 2305077-01**			Prepared: 05/03/23 Analyzed: 05/04/23						
Benzene	0.114	0.0020	mg/kg	0.100	ND	114	70-130	1.11	30	
Toluene	0.119	0.0050	"	0.100	ND	119	70-130	3.25	30	
Ethylbenzene	0.0981	0.0050	"	0.100	ND	98.1	70-130	6.96	30	
m,p-Xylene	0.208	0.010	"	0.200	ND	104	70-130	6.01	30	
o-Xylene	0.102	0.0050	"	0.100	ND	102	70-130	4.32	30	
1,2,4-Trimethylbenzene	0.0981	0.0050	"	0.100	ND	98.1	70-130	22.4	30	
1,3,5-Trimethylbenzene	0.0758	0.0050	"	0.100	ND	75.8	70-130	14.7	30	
Naphthalene	0.0893	0.0038	"	0.100	ND	89.3	70-130	7.42	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0407*		"	*0.0400*		*102*	*50-150*			
Surrogate: Toluene-d8	*0.0402*		"	*0.0400*		*100*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0389*		"	*0.0400*		*97.4*	*50-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0129 - EPA 3550A										
Blank (BGE0129-BLK1)				Prepared: 05/03/23 Analyzed: 05/04/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*12.3*		*"*	*12.5*		*98.4*	*30-150*			
LCS (BGE0129-BS1)				Prepared: 05/03/23 Analyzed: 05/04/23						
C10-C28 (DRO)	525	50	mg/kg	500		105	70-130			
Surrogate: o-Terphenyl	*13.2*		*"*	*12.5*		*106*	*30-150*			
Matrix Spike (BGE0129-MS1)	**Source: 2305077-01**			Prepared: 05/03/23 Analyzed: 05/04/23						
C10-C28 (DRO)	486	50	mg/kg	500	ND	97.1	70-130			
Surrogate: o-Terphenyl	*12.3*		*"*	*12.5*		*98.6*	*30-150*			
Matrix Spike Dup (BGE0129-MSD1)	**Source: 2305077-01**			Prepared: 05/03/23 Analyzed: 05/04/23						
C10-C28 (DRO)	461	50	mg/kg	500	ND	92.2	70-130	5.20	20	
Surrogate: o-Terphenyl	*11.9*		*"*	*12.5*		*95.5*	*30-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0133 - EPA 5030 Soil MS										
Blank (BGE0133-BLK1)				Prepared & Analyzed: 05/04/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0238*		*"*	*0.0333*		*71.5*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0357*		*"*	*0.0333*		*107*	*40-150*			
LCS (BGE0133-BS1)				Prepared & Analyzed: 05/04/23						
Acenaphthene	0.0282	0.00500	mg/kg	0.0333		84.5	31-137			
Anthracene	0.0311	0.00500	"	0.0333		93.2	30-120			
Benzo (a) anthracene	0.0248	0.00500	"	0.0333		74.4	30-120			
Benzo (a) pyrene	0.0248	0.00500	"	0.0333		74.3	30-120			
Benzo (b) fluoranthene	0.0232	0.00500	"	0.0333		69.7	30-120			
Benzo (k) fluoranthene	0.0276	0.00500	"	0.0333		82.7	30-120			
Chrysene	0.0334	0.00500	"	0.0333		100	30-120			
Dibenz (a,h) anthracene	0.0180	0.00500	"	0.0333		54.0	30-120			
Fluoranthene	0.0299	0.00500	"	0.0333		89.7	30-120			
Fluorene	0.0275	0.00500	"	0.0333		82.6	30-120			
Indeno (1,2,3-cd) pyrene	0.0191	0.00500	"	0.0333		57.4	30-120			
Pyrene	0.0352	0.00500	"	0.0333		106	35-142			
1-Methylnaphthalene	0.0258	0.00500	"	0.0333		77.4	35-142			
2-Methylnaphthalene	0.0274	0.00500	"	0.0333		82.3	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0273*		*"*	*0.0333*		*81.8*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0306*		*"*	*0.0333*		*91.7*	*40-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0133 - EPA 5030 Soil MS										
Matrix Spike (BGE0133-MS1)	**Source: 2305046-01**			Prepared & Analyzed: 05/04/23						
Acenaphthene	0.0159	0.00500	mg/kg	0.0333	ND	47.6	31-137			
Anthracene	0.0258	0.00500	"	0.0333	ND	77.3	30-120			
Benzo (a) anthracene	0.0242	0.00500	"	0.0333	ND	72.6	30-120			
Benzo (a) pyrene	0.0140	0.00500	"	0.0333	ND	41.9	30-120			
Benzo (b) fluoranthene	0.0151	0.00500	"	0.0333	ND	45.2	30-120			
Benzo (k) fluoranthene	0.0150	0.00500	"	0.0333	ND	44.9	30-120			
Chrysene	0.0138	0.00500	"	0.0333	ND	41.4	30-120			
Dibenz (a,h) anthracene	0.0178	0.00500	"	0.0333	ND	53.5	30-120			
Fluoranthene	0.0138	0.00500	"	0.0333	ND	41.3	30-120			
Fluorene	0.0150	0.00500	"	0.0333	ND	45.1	30-120			
Indeno (1,2,3-cd) pyrene	0.0173	0.00500	"	0.0333	ND	51.9	30-120			
Pyrene	0.0135	0.00500	"	0.0333	ND	40.5	35-142			
1-Methylnaphthalene	0.0150	0.00500	"	0.0333	ND	45.1	15-130			
2-Methylnaphthalene	0.0140	0.00500	"	0.0333	ND	41.9	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0149*		*"*	*0.0333*		*44.7*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0150*		*"*	*0.0333*		*45.0*	*40-150*			
Matrix Spike Dup (BGE0133-MSD1)	**Source: 2305046-01**			Prepared & Analyzed: 05/04/23						
Acenaphthene	0.0172	0.00500	mg/kg	0.0333	ND	51.5	31-137	7.84	30	
Anthracene	0.0207	0.00500	"	0.0333	ND	62.2	30-120	21.7	30	
Benzo (a) anthracene	0.0182	0.00500	"	0.0333	ND	54.5	30-120	28.5	30	
Benzo (a) pyrene	0.0162	0.00500	"	0.0333	ND	48.8	30-120	15.1	30	
Benzo (b) fluoranthene	0.0196	0.00500	"	0.0333	ND	58.9	30-120	26.4	30	
Benzo (k) fluoranthene	0.0160	0.00500	"	0.0333	ND	48.1	30-120	7.00	30	
Chrysene	0.0153	0.00500	"	0.0333	ND	46.0	30-120	10.7	30	
Dibenz (a,h) anthracene	0.0160	0.00500	"	0.0333	ND	47.9	30-120	11.0	30	
Fluoranthene	0.0176	0.00500	"	0.0333	ND	52.7	30-120	24.3	30	
Fluorene	0.0173	0.00500	"	0.0333	ND	51.9	30-120	14.1	30	
Indeno (1,2,3-cd) pyrene	0.0140	0.00500	"	0.0333	ND	41.9	30-120	21.3	30	
Pyrene	0.0153	0.00500	"	0.0333	ND	45.8	35-142	12.2	30	
1-Methylnaphthalene	0.0150	0.00500	"	0.0333	ND	45.0	15-130	0.0866	50	
2-Methylnaphthalene	0.0214	0.00500	"	0.0333	ND	64.3	15-130	42.1	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0175*		*"*	*0.0333*		*52.6*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0196*		*"*	*0.0333*		*58.7*	*40-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 12:50

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 10, 2023

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

RE: DCP - COAN AT-1-1
Work Order #2305114

Enclosed are the results of analyses for samples received by Summit Scientific on 05/04/23 18:06. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Scott Sheely For Paul Shrewsbury
President

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NE Base@38'	2305114-01	Soil	05/04/23 11:42	05/04/23 18:06

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2305114	

	Send Data To:	Send Invoice To:
Client: DCP / Tasman	Project Manager: Jeb Watts / Chandler Cole	Company: DCP
Address: 6855 W 119th Ave	E-Mail: jwatts@tasman-geo.com bgabel@tasman-geo.com	Project Name/Location: Cogn AT-1-1
City/State/Zip: Broomfield / CO / 80020	chandler.E.Cole@p66.com	AFE#:
Phone: 303-487-1228	Project Name: Cogn AT-1-1	PO/Billing Codes:
Sampler Name: Brian Gabel	Project Number:	Contact: Chandler Cole

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other ___	Water	Soil	Air-Canister #	Other ___	8/15 VOCs + TPH	8/15 PAHs	8/15 Inorganics						H = HOLD PAHs only: Benzo(a) Pyrene Benzo(b) fluoranthene chrysene Fluoranthene Fluorene Pyrene 1+2 methylnaphthalene
1	NE Base @ 38'	3/4/23	1142	2			X			X			X	X	H						
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by:	Date/Time:	Received by:	Date/Time:
[signature]	5/4/23 1530	Tasman Lockbox	5/4/23 1530
Relinquished by:	Date/Time:	Received by:	Date/Time:
Tasman Lockbox	5423 1806	[signature]	5423 1806
Relinquished by:	Date/Time:	Received by:	Date/Time:

TAT Business Days	
Same Day	X
1 Day	
2 Days	
3 Days	
Standard	

Field DO	
Field EC	
Field ORP	
Field pH	
Field Temp.	
Field Turb.	

Notes:

Temperature Upon Receipt: 10.1 | Corrected Temperature: 0 | IR gun #: 1 | HNO3 lot #:

S2

Sample Receipt Checklist S2 Work Order# 2305114

Client: DCH Tasman Client Project ID: Coan AT-1-1

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [ ] Water [ ] Other [ ]

Temp (°C) [ ] Thermometer # [ ]

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? (1) **NOTE:** If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	✓			
If custody seals are present, are they intact? (1)			✓	
Are samples due within 48 hours present?			✓	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen			✓	
Is a chain-of-custody (COC) form present and filled out Completely? (1)	✓			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	✓			
Were all samples received intact? (1)	✓			
Was adequate sample volume provided? (1)	✓			
Does the COC agree with the number and type of sample bottles received? (1)	✓			
Do the sample IDs on the bottle labels match the COC?(1)	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**			✓	
Are samples preserved that require preservation **(excluding cooling)?** (1) Note the type of preservative in the comments column – HCl, H_2SO_4, NaOH, HNO_3, etc.			✓	
If samples are acid preserved for metals, is the pH ≤ 2? (1) Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
(1) **If NO, then contact the client before proceeding with analysis and note in case narrative.**				

[signature] 5.4.23

Custodian Printed Name Date/Time

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

NE Base@38'

2305114-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/04/23 11:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGE0167	05/04/23	05/04/23	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/04/23 11:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0428	*107 %*	*50-150*		"	"	"	"	
Surrogate: Toluene-d8	0.0391	*97.6 %*	*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0409	*102 %*	*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/04/23 11:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGE0169	05/04/23	05/04/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **05/04/23 11:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.0	*96.1 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

NE Base@38'

2305114-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **05/04/23 11:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) pyrene	ND	0.00500	mg/kg	1	BGE0170	05/05/23	05/06/23	EPA 8270D SIM	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **05/04/23 11:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0160	*47.9 %*	*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0159	*47.6 %*	*40-150*		"	"	"	"	

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0167 - EPA 5030 Soil MS										
Blank (BGE0167-BLK1)				Prepared: 05/04/23 Analyzed: 05/05/23						
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	*0.0423*		*"*	*0.0400*		*106*	*50-150*			
Surrogate: Toluene-d8	*0.0393*		*"*	*0.0400*		*98.2*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0418*		*"*	*0.0400*		*104*	*50-150*			
LCS (BGE0167-BS1)				Prepared: 05/04/23 Analyzed: 05/05/23						
Benzene	0.0778	0.0020	mg/kg	0.100		77.8	70-130			
Toluene	0.0897	0.0050	"	0.100		89.7	70-130			
Ethylbenzene	0.103	0.0050	"	0.100		103	70-130			
m,p-Xylene	0.209	0.010	"	0.200		105	70-130			
o-Xylene	0.0984	0.0050	"	0.100		98.4	70-130			
1,2,4-Trimethylbenzene	0.111	0.0050	"	0.100		111	70-130			
1,3,5-Trimethylbenzene	0.112	0.0050	"	0.100		112	70-130			
Naphthalene	0.0930	0.0038	"	0.100		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0339*		*"*	*0.0400*		*84.7*	*50-150*			
Surrogate: Toluene-d8	*0.0395*		*"*	*0.0400*		*98.8*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0394*		*"*	*0.0400*		*98.4*	*50-150*			
Matrix Spike (BGE0167-MS1)	**Source: 2305114-01**			Prepared: 05/04/23 Analyzed: 05/05/23						
Benzene	0.0815	0.0020	mg/kg	0.100	ND	81.5	70-130			
Toluene	0.0946	0.0050	"	0.100	ND	94.6	70-130			
Ethylbenzene	0.108	0.0050	"	0.100	ND	108	70-130			
m,p-Xylene	0.223	0.010	"	0.200	ND	111	70-130			
o-Xylene	0.104	0.0050	"	0.100	ND	104	70-130			
1,2,4-Trimethylbenzene	0.115	0.0050	"	0.100	ND	115	70-130			
1,3,5-Trimethylbenzene	0.117	0.0050	"	0.100	ND	117	70-130			
Naphthalene	0.0879	0.0038	"	0.100	ND	87.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0338*		*"*	*0.0400*		*84.5*	*50-150*			
Surrogate: Toluene-d8	*0.0386*		*"*	*0.0400*		*96.4*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0395*		*"*	*0.0400*		*98.8*	*50-150*			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0167 - EPA 5030 Soil MS										
Matrix Spike Dup (BGE0167-MSD1)	**Source: 2305114-01**			Prepared: 05/04/23 Analyzed: 05/05/23						
Benzene	0.0830	0.0020	mg/kg	0.100	ND	83.0	70-130	1.79	30	
Toluene	0.0942	0.0050	"	0.100	ND	94.2	70-130	0.445	30	
Ethylbenzene	0.107	0.0050	"	0.100	ND	107	70-130	0.447	30	
m,p-Xylene	0.228	0.010	"	0.200	ND	114	70-130	2.05	30	
o-Xylene	0.106	0.0050	"	0.100	ND	106	70-130	2.23	30	
1,2,4-Trimethylbenzene	0.119	0.0050	"	0.100	ND	119	70-130	3.03	30	
1,3,5-Trimethylbenzene	0.119	0.0050	"	0.100	ND	119	70-130	1.77	30	
Naphthalene	0.0920	0.0038	"	0.100	ND	92.0	70-130	4.53	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0322*		"	*0.0400*		*80.6*	*50-150*			
Surrogate: Toluene-d8	*0.0385*		"	*0.0400*		*96.2*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0393*		"	*0.0400*		*98.2*	*50-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0169 - EPA 3550A										
Blank (BGE0169-BLK1)				Prepared: 05/04/23 Analyzed: 05/05/23						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*12.1*		*"*	*12.5*		*96.6*	*30-150*			
LCS (BGE0169-BS1)				Prepared: 05/04/23 Analyzed: 05/05/23						
C10-C28 (DRO)	604	50	mg/kg	500		121	70-130			
Surrogate: o-Terphenyl	*11.3*		*"*	*12.5*		*90.1*	*30-150*			
Matrix Spike (BGE0169-MS1)	**Source: 2305114-01**			Prepared: 05/04/23 Analyzed: 05/05/23						
C10-C28 (DRO)	589	50	mg/kg	500	11.7	115	70-130			
Surrogate: o-Terphenyl	*11.5*		*"*	*12.5*		*92.0*	*30-150*			
Matrix Spike Dup (BGE0169-MSD1)	**Source: 2305114-01**			Prepared: 05/04/23 Analyzed: 05/05/23						
C10-C28 (DRO)	566	50	mg/kg	500	11.7	111	70-130	3.98	20	
Surrogate: o-Terphenyl	*11.6*		*"*	*12.5*		*92.4*	*30-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0170 - EPA 5030 Soil MS										
Blank (BGE0170-BLK1)				Prepared & Analyzed: 05/05/23						
Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	*0.0314*		*"*	*0.0333*		*94.3*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0344*		*"*	*0.0333*		*103*	*40-150*			
LCS (BGE0170-BS1)				Prepared & Analyzed: 05/05/23						
Acenaphthene	0.0337	0.00500	mg/kg	0.0333		101	31-137			
Anthracene	0.0319	0.00500	"	0.0333		95.6	30-120			
Benzo (a) anthracene	0.0276	0.00500	"	0.0333		82.7	30-120			
Benzo (a) pyrene	0.0204	0.00500	"	0.0333		61.2	30-120			
Benzo (b) fluoranthene	0.0179	0.00500	"	0.0333		53.6	30-120			
Benzo (k) fluoranthene	0.0235	0.00500	"	0.0333		70.6	30-120			
Chrysene	0.0366	0.00500	"	0.0333		110	30-120			
Dibenz (a,h) anthracene	0.0184	0.00500	"	0.0333		55.3	30-120			
Fluoranthene	0.0308	0.00500	"	0.0333		92.3	30-120			
Fluorene	0.0358	0.00500	"	0.0333		107	30-120			
Indeno (1,2,3-cd) pyrene	0.0195	0.00500	"	0.0333		58.6	30-120			
Pyrene	0.0375	0.00500	"	0.0333		113	35-142			
1-Methylnaphthalene	0.0256	0.00500	"	0.0333		76.9	35-142			
2-Methylnaphthalene	0.0263	0.00500	"	0.0333		78.9	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0265*		*"*	*0.0333*		*79.5*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0311*		*"*	*0.0333*		*93.2*	*40-150*			

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BGE0170 - EPA 5030 Soil MS										
Matrix Spike (BGE0170-MS1)	**Source: 2305089-01**			Prepared & Analyzed: 05/05/23						
Acenaphthene	0.0185	0.00500	mg/kg	0.0333	ND	55.5	31-137			
Anthracene	0.0153	0.00500	"	0.0333	ND	46.0	30-120			
Benzo (a) anthracene	0.0149	0.00500	"	0.0333	ND	44.8	30-120			
Benzo (a) pyrene	0.0150	0.00500	"	0.0333	ND	45.1	30-120			
Benzo (b) fluoranthene	0.0178	0.00500	"	0.0333	ND	53.5	30-120			
Benzo (k) fluoranthene	0.0142	0.00500	"	0.0333	ND	42.5	30-120			
Chrysene	0.0190	0.00500	"	0.0333	ND	57.1	30-120			
Dibenz (a,h) anthracene	0.0135	0.00500	"	0.0333	ND	40.4	30-120			
Fluoranthene	0.0164	0.00500	"	0.0333	ND	49.3	30-120			
Fluorene	0.0209	0.00500	"	0.0333	ND	62.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0135	0.00500	"	0.0333	ND	40.6	30-120			
Pyrene	0.0171	0.00500	"	0.0333	ND	51.3	35-142			
1-Methylnaphthalene	0.0153	0.00500	"	0.0333	ND	46.0	15-130			
2-Methylnaphthalene	0.0166	0.00500	"	0.0333	ND	49.8	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0150*		*"*	*0.0333*		*45.1*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0181*		*"*	*0.0333*		*54.3*	*40-150*			
Matrix Spike Dup (BGE0170-MSD1)	**Source: 2305089-01**			Prepared & Analyzed: 05/05/23						
Acenaphthene	0.0170	0.00500	mg/kg	0.0333	ND	50.9	31-137	8.59	30	
Anthracene	0.0159	0.00500	"	0.0333	ND	47.8	30-120	3.89	30	
Benzo (a) anthracene	0.0167	0.00500	"	0.0333	ND	50.2	30-120	11.3	30	
Benzo (a) pyrene	0.0162	0.00500	"	0.0333	ND	48.5	30-120	7.13	30	
Benzo (b) fluoranthene	0.0168	0.00500	"	0.0333	ND	50.3	30-120	6.05	30	
Benzo (k) fluoranthene	0.0143	0.00500	"	0.0333	ND	42.8	30-120	0.481	30	
Chrysene	0.0184	0.00500	"	0.0333	ND	55.2	30-120	3.49	30	
Dibenz (a,h) anthracene	0.0144	0.00500	"	0.0333	ND	43.2	30-120	6.55	30	
Fluoranthene	0.0159	0.00500	"	0.0333	ND	47.8	30-120	3.14	30	
Fluorene	0.0230	0.00500	"	0.0333	ND	69.0	30-120	9.49	30	
Indeno (1,2,3-cd) pyrene	0.0147	0.00500	"	0.0333	ND	44.0	30-120	7.99	30	
Pyrene	0.0178	0.00500	"	0.0333	ND	53.3	35-142	3.98	30	
1-Methylnaphthalene	0.0151	0.00500	"	0.0333	ND	45.4	15-130	1.35	50	
2-Methylnaphthalene	0.0143	0.00500	"	0.0333	ND	42.9	15-130	15.0	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0152*		*"*	*0.0333*		*45.7*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0174*		*"*	*0.0333*		*52.3*	*40-150*			

S2

Tasman Geosciences 6855 W. 119th Ave. Broomfield CO, 80020	Project: DCP - COAN AT-1-1 Project Number: [none] Project Manager: Chandler Cole	**Reported:** 05/10/23 13:51

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

ORIGINS LABORATORY, INC

June 21, 2023

Tasman Geosciences

Jeb Watts

6855 West 119th Avenue

Broomfield CO 80020

Project Name - P66 - Coan AT-1-1 **Project Number - [none]**

Attached are your analytical results for P66 - Coan AT-1-1 received by Origins Laboratory, Inc. June 19, 2023. This project is associated with Origins project number Y306460-01.

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

THE NELAC INSTITUTE

ORIGINS LABORATORY, INC

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Jeb Watts
Project Number: [none]
Project: P66 - Coan AT-1-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	Y306460-01	Water	June 19, 2023 12:15	06/19/2023 15:04

Origins Laboratory, Inc.

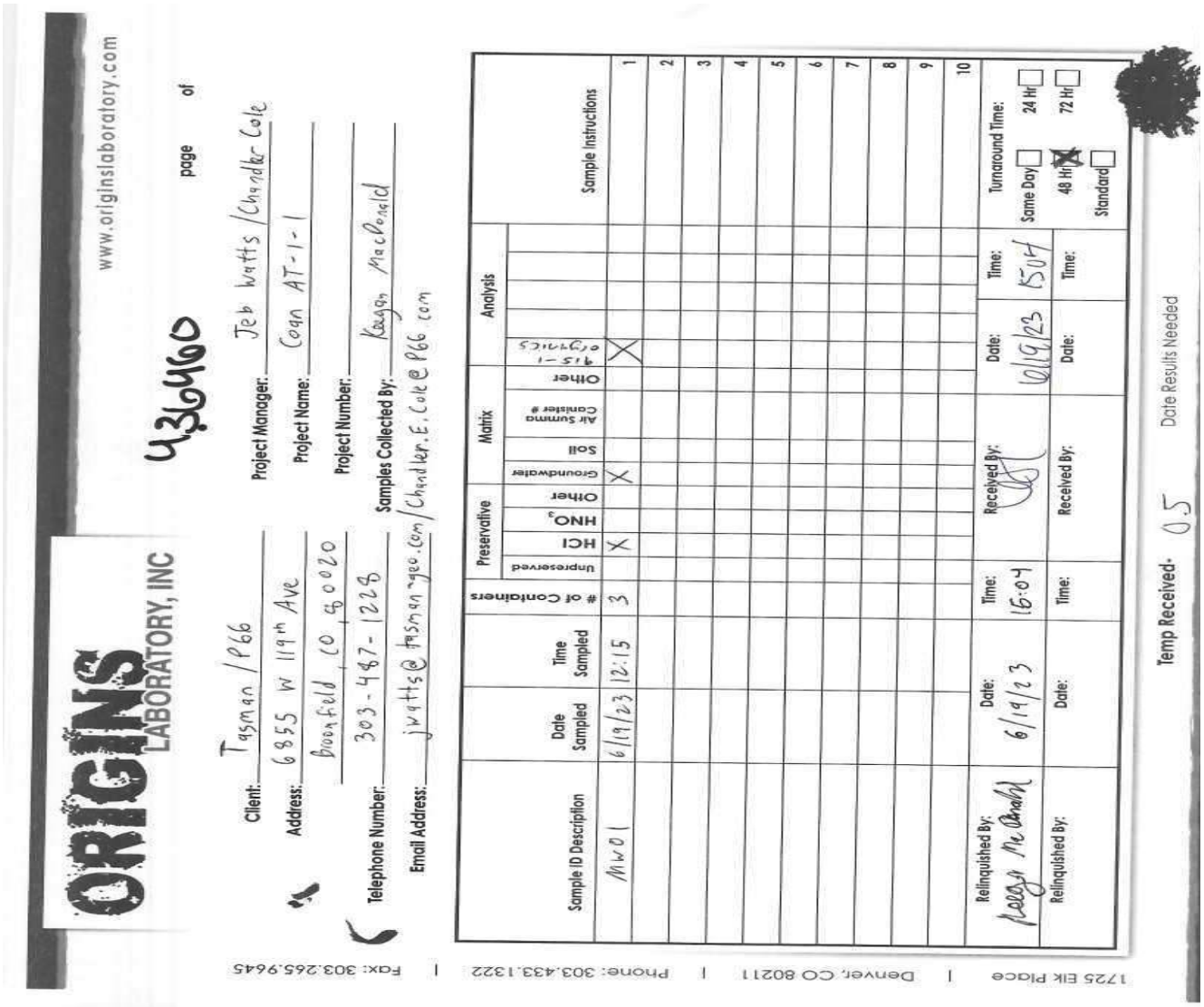
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon For Jen Pellegrini, Project Manager

ORIGINS LABORATORY, INC

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Jeb Watts
Project Number: [none]
Project: P66 - Coan AT-1-1



Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon For Jen Pellegrini, Project Manager

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Jeb Watts
Project Number: [none]
Project: P66 - Coan AT-1-1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4306460
Client: Tasman
Client Project ID: Coan AT-1-1
Checklist Completed by: EHS/TDM
Shipped Via: HD
Date/time completed: 6/19/23
Airbill #: N/A (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Matrix(s) Received: (Check all that apply): ____Soil/Solid X Water ____Other: ____
Cooler Number/Temperature: 1 / 0.5 °C ____/____°C ____/____°C ____/____°C (Describe)
Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C[1]?	✓			
Is there ice present (document if blue ice is used)	✓			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			✓	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			✓	
Were all samples received intact[1]?	✓			
Was adequate sample volume provided[1]?	✓			
Are short holding time analytes or samples with HTs due within 48 hours present[1]?		✓		
Is a chain-of-custody (COC) present and filled out completely[1]?	✓			
Does the COC agree with the number and type of sample bottles received[1]?	✓			
Do the sample IDs on the bottle labels match the COC[1]?	✓			
Is the COC properly relinquished by the client with date and time recorded[1]?	✓			
For volatiles in water – is there headspace (> ¼ inch bubble) present? **If yes, contact client and note in narrative.**		✓		
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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)*	✓			Not checked
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.*

JB
Reviewed by (Project Manager)

6-20-23
Date/Time Reviewed

Origins Laboratory, Inc.

JBynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon For Jen Pellegrini, Project Manager

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Jeb Watts
Project Number: [none]
Project: P66 - Coan AT-1-1

MW01
6/19/2023 12:15:00PM

Origins Laboratory, Inc.
Y306460-01 (Water)

BTEX+N+TMBs by 8260D

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3F2030	JSM	06/20/2023	06/20/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	**34.2**	1.00	"	"	"	JSM	"	"	
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U
Surrogate: 1,2-Dichloroethane-d4	*76.4 %*	*70-130*			"		"	"	
Surrogate: Toluene-d8	*104 %*	*70-130*			"		"	"	
Surrogate: 4-Bromofluorobenzene	*101 %*	*70-130*			"		"	"	

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon For Jen Pellegrini, Project Manager

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Jeb Watts
Project Number: [none]
Project: P66 - Coan AT-1-1

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 B3F2030 - EPA 5030B (Water)										
Blank (B3F2030-BLK1)					Prepared: 06/20/2023 Analyzed: 06/20/2023					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	*49*		"	*62.5*		*78.1*	*70-130*			
Surrogate: Toluene-d8	*66*		"	*62.5*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*61*		"	*62.5*		*97.6*	*70-130*			

Origins Laboratory, Inc.

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Jordan A. Bynon For Jen Pellegrini, Project Manager

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Jeb Watts
Project Number: [none]
Project: P66 - Coan AT-1-1

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 B3F2030 - EPA 5030B (Water)										
LCS (B3F2030-BS1)					Prepared: 06/20/2023 Analyzed: 06/20/2023					
1,2,4-Trimethylbenzene	47.8	2.00	ug/L	50.0		95.6	70-130			
1,3,5-Trimethylbenzene	48.3	2.00	"	50.0		96.6	70-130			
Benzene	52.6	1.00	"	50.0		105	70-130			
Ethylbenzene	48.4	1.00	"	50.0		96.7	70-130			
m,p-Xylene	107	2.00	"	100		107	70-130			
Naphthalene	55.3	2.00	"	50.0		111	70-130			
o-Xylene	51.5	1.00	"	50.0		103	70-130			
Toluene	52.2	1.00	"	50.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*50*		*"*	*62.5*		*79.2*	*70-130*			
Surrogate: Toluene-d8	*65*		*"*	*62.5*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*62*		*"*	*62.5*		*98.9*	*70-130*			

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Jeb Watts
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Project: P66 - Coan AT-1-1

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 B3F2030 - EPA 5030B (Water)										
Matrix Spike (B3F2030-MS1)		**Source: Y306460-01**			Prepared: 06/20/2023 Analyzed: 06/20/2023					
1,2,4-Trimethylbenzene	47.0	2.00	ug/L	50.0	1.12	91.7	70-130			
1,3,5-Trimethylbenzene	47.9	2.00	"	50.0	0.710	94.3	70-130			
Benzene	62.8	1.00	"	50.0	34.2	57.0	70-130			QM-07
Ethylbenzene	44.2	1.00	"	50.0	0.190	88.1	70-130			
m,p-Xylene	98.1	2.00	"	100	ND	98.1	70-130			
Naphthalene	42.3	2.00	"	50.0	ND	84.5	70-130			
o-Xylene	47.2	1.00	"	50.0	0.760	93.0	70-130			
Toluene	47.6	1.00	"	50.0	ND	95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*42*		"	*62.5*		*67.6*	*70-130*			*S-GC*
Surrogate: Toluene-d8	*76*		"	*62.5*		*121*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*66*		"	*62.5*		*105*	*70-130*			

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Jeb Watts
Project Number: [none]
Project: P66 - Coan AT-1-1

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 B3F2030 - EPA 5030B (Water)										
Matrix Spike Dup (B3F2030-MSD1)		**Source: Y306460-01**			Prepared: 06/20/2023 Analyzed: 06/20/2023					
1,2,4-Trimethylbenzene	52.2	2.00	ug/L	50.0	1.12	102	70-130	10.5	20	
1,3,5-Trimethylbenzene	52.5	2.00	"	50.0	0.710	104	70-130	9.30	20	
Benzene	87.0	1.00	"	50.0	34.2	106	70-130	32.4	20	QM-07
Ethylbenzene	52.5	1.00	"	50.0	0.190	105	70-130	17.1	20	
m,p-Xylene	116	2.00	"	100	ND	116	70-130	16.6	20	
Naphthalene	49.1	2.00	"	50.0	ND	98.2	70-130	14.9	20	
o-Xylene	55.6	1.00	"	50.0	0.760	110	70-130	16.2	20	
Toluene	55.3	1.00	"	50.0	ND	111	70-130	14.9	20	
Surrogate: 1,2-Dichloroethane-d4	*47*		"	*62.5*		*76.0*	*70-130*			
Surrogate: Toluene-d8	*66*		"	*62.5*		*106*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*64*		"	*62.5*		*103*	*70-130*			

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Jeb Watts
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Project: P66 - Coan AT-1-1

Notes and Definitions

U Sample is Non-Detect.

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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TASMAN

PHOTOGRAPHIC LOG

Project Name: Coan AT-1-1	**Site Location:** 40.010331, -104.477020	**Date:** 4/15 – 4/19/2023 **Photographed By:** DCP/Tasman

Photo No. 1	
Direction Photo Taken: West	
Description: Surface staining at release location.	

Photo No. 2	
Direction Photo Taken: East-Northeast	
Description: Exposed pipeline during excavation.	