



WELLHEAD ABANDONMENT FORM

SITE NAME: CAMP 30-6J							DATE: 11/29/2023	REM. PROJECT #:	WEATHER: Sunny 30S
SITE DIRECTIONS: CR 28 & CR 33 E 2.3 mi N in							CLIENT: Oxy		
LEGALS AND LAT/LONG: (40.1978920, -104.7092064)							TASMAN PERSONNEL: WI, SD		
SOIL TYPES: Clayey Sand - SC							SURFACE GRADIENT: Southeast		
SOIL SAMPLING							FACILITY INFRASTRUCTURE		
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity
							Above Ground Storage Tank (AST)		
11/29/2023 09:49	WH-B01@6'	18.3	No Staining	Slight HC Odor	Yes	Lab	Buried or Partially Buried Vessel		
11/29/2023 09:51	WH-N01@5'	0.1	No Staining	No Odor	Yes	N/A	Separator		
11/29/2023 09:53	WH-S01@5'	0.1	No Staining	No Odor	Yes	N/A	Emission Control Device (ECD)		
11/29/2023 09:55	WH-E01@5'	0.3	No Staining	No Odor	Yes	N/A	Dump Line		
11/29/2023 09:57	WH-W01@5'	5.3	No Staining	No Odor	Yes	N/A	Wellhead		
11/29/2023 09:59	WHS-N01@3"	1.0	No Staining	No Odor	Yes	N/A	Flowline		
11/29/2023 10:01	WHS-S01@3"	0.9	No Staining	No Odor	Yes	N/A	Other:		
11/29/2023 10:03	WHS-E01@3"	1.3	No Staining	No Odor	Yes	N/A	Soil Loads Removed		
11/29/2023 10:05	WHS-W01@3"	0.3	No Staining	No Odor	Yes	N/A	IMPACTED SOIL IDENTIFIED?		
11/29/2023 11:15	BG01@3'	0.2	No Staining	No Odor	Yes	Lab	ESTIMATED VOLUME OF IMPACTS:		
11/29/2023 11:17	BG01@6'	0.4	No Staining	No Odor	Yes	Lab	Date	Number	CY
11/29/2023 11:19	BG02@3'	0.9	No Staining	No Odor	Yes	Lab			
11/29/2023 11:21	BG02@6'	1.1	No Staining	No Odor	Yes	Lab			
11/29/2023 11:23	BG03@3'	0.3	No Staining	No Odor	Yes	Lab			
11/29/2023 11:25	BG03@6'	0.6	No Staining	No Odor	Yes	Lab			
11/29/2023 11:27	BG04@3'	1.1	No Staining	No Odor	Yes	Lab	Total Removed		0 0
11/29/2023 11:29	BG04@6'	1.2	No Staining	No Odor	Yes	Lab	Disposal Facility:		
							Groundwater Recovery		
							DATE GW ENCOUNTERED:		DEPTH:
							GROUNDWATER IN CONTACT WITH IMPACTED SOIL?		
							LNAPL OR SHEEN OBSERVED ON GW?		
GROUNDWATER SAMPLING							Date	BBLs	
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?			
							Total Removed		0
							Disposal Facility:		

11/29/23
N Gradient
↑
↓

CAMP 30-6J

WIrby
*GPS Collected
on iPad

X
|
BG01@3' 96'

WHS-N01@3"

X
|
X

WHS-N01@5'

BG03@3' 96'

BG04@3' 96'

WHS-B01@6'

ACCESS TO
CR 28

X
|
WHS-W01@3"

X
|
WHS-W01@5'

X
|
WHS-E01@5'

X
|
WHS-E01@5'

WHS-B01@6':

BTEX = PASS

1,2,4 = 0.148

1,3,5 = 0.0926

TPH = 656.6

1-M = 0.075

2-M = 0.160

N = 0.037

As = 1.06

WHS-S01@3'

X
|
X

WHS-S01@3"

X
|
BG02@3' 96'

Photographic Log

																							
						<table border="1"> <tr> <td>Equipment ID:</td> <td colspan="2">Equipment Type:</td> </tr> <tr> <td>Material:</td> <td>Volume:</td> <td>Contents:</td> </tr> <tr> <td colspan="3">Notes/Conditions:</td> </tr> </table>			Equipment ID:	Equipment Type:		Material:	Volume:	Contents:	Notes/Conditions:								
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Photographic Log

					
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions:			Notes/Conditions:		

Photographic Log

									
						Equipment ID:			Equipment Type:
Material:		Volume:	Contents:		Material:		Volume:	Contents:	
Notes/Conditions:					Notes/Conditions:				

TABLE 1
CAMP 30-6J WELLHEAD
SOIL SAMPLE FIELD DATA SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	GPS PDOP Value	Submitted for Lab Analysis? (Y/N)
WH-B01@6'	11/29/23	6	18.3	No Staining	Slight HC Odor	40.19776646	-104.7092447	NA	Yes
WH-N01@5'	11/29/23	5	0.1	No Staining	No Odor	40.19778032	-104.7092478	NA	No
WH-S01@5'	11/29/23	5	0.1	No Staining	No Odor	40.197763	-104.709245	NA	No
WH-E01@5'	11/29/23	5	0.3	No Staining	No Odor	40.19777301	-104.7092369	NA	No
WH-W01@5'	11/29/23	5	5.3	No Staining	No Odor	40.19776925	-104.7092633	NA	No
WHS-N01@3"	11/29/23	0.25	1.0	No Staining	No Odor	40.19781331	-104.7092588	0.9	No
WHS-S01@3"	11/29/23	0.25	0.9	No Staining	No Odor	40.19772001	-104.7092348	NA	No
WHS-E01@3"	11/29/23	0.25	1.3	No Staining	No Odor	40.19777878	-104.7091904	NA	No
WHS-W01@3"	11/29/23	0.25	0.3	No Staining	No Odor	40.19775607	-104.7093081	NA	No
BACKGROUND SOIL SAMPLING									
BG01@3'	11/29/23	3	0.2	No Staining	No Odor	40.19790378	-104.709238	NA	Yes
BG01@6'	11/29/23	6	0.4	No Staining	No Odor	40.19790378	-104.709238	NA	Yes
BG02@3'	11/29/23	3	0.9	No Staining	No Odor	40.19761585	-104.7092375	NA	Yes
BG02@6'	11/29/23	6	1.1	No Staining	No Odor	40.19761585	-104.7092375	NA	Yes
BG03@3'	11/29/23	3	0.3	No Staining	No Odor	40.19778757	-104.709054	NA	Yes
BG03@6'	11/29/23	6	0.6	No Staining	No Odor	40.19778757	-104.709054	NA	Yes
BG04@3'	11/29/23	3	1.1	No Staining	No Odor	40.19777554	-104.7094125	NA	Yes
BG04@6'	11/29/23	6	1.2	No Staining	No Odor	40.19777554	-104.7094125	NA	Yes

Notes:

ft. bgs = Feet below ground surface

PID = Photoionization detector

ppm = Parts per million

HC = Hydrocarbon

GPS = Global positioning system

PDOP = Position dilution of precision

NA = Not applicable; GPS data not available

TABLE 2
CAMP 30-6J WELLHEAD
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC standards for soil (mg/kg)⁽¹⁾		0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC standards for soil (mg/kg)⁽²⁾		1.2	490	5.8	58	2	500			30	27
WH-B01@6'	11/29/23	<0.00200	0.00774	0.00714	0.158	0.037	15.6	526	115	0.148	0.0926

Notes:
(1) Standards for soil are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021
(2) Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021
ECMC = Colorado Energy and Carbon Management Commission
(<) = Analytical result is less than the indicated laboratory reporting limit
mg/kg = Milligrams per kilogram
TVPH - GRO = Total volatile petroleum hydrocarbons - gasoline range organics
TEPH - DRO = Total extractable petroleum hydrocarbons - diesel range organics
TEPH - ORO = Total extractable petroleum hydrocarbons - oil range organics
1,2,4 - TMB = 1,2,4 - Trimethylbenzene
1,3,5 - TMB = 1,3,5 - Trimethylbenzene
BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards

TABLE 3
CAMP 30-6J WELLHEAD
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
ECMC standards for soil (mg/kg) ⁽¹⁾		0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	0.0038	1.3
ECMC standards for soil (mg/kg) ⁽²⁾		360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	2	180
WH-B01@6'	11/29/23	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.075	0.160	0.037	<0.020

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

(2) Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Colorado Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = Milligrams per kilogram

Benzo(a)A = Benzo(a)anthracene

Benzo(b)F = Benzo(b)fluoranthene

Benzo(k)F = Benzo(k)fluoranthene

Benzo(a)P = Benzo(a)pyrene

D (a,h) A = Dibenz(a,h)anthracene

1,2,3-CD = Indeno(1,2,3-cd)pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards

TABLE 4
CAMP 30-6J WELLHEAD
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC standards for soil (mg/kg) ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC standards for soil (mg/kg) ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Site-Specific Background Limits			2.15	101.5	ND	ND	7.1375	7.0625	8.6875	0.3775	ND	32.5
WH-B01@6'	11/29/23	6	1.06*	49.7	<0.25	<0.244	3.4	6.35	3.39	<0.25	<0.25	28
BACKGROUND SOIL SAMPLING												
BG01@3'	11/29/23	3	0.797	47.9	<0.25	<0.244	2.6	2.95	2.84	<0.25	<0.25	12.5
BG01@6'	11/29/23	6	0.695	46.2	<0.25	<0.244	2.31	2.92	2.48	<0.25	<0.25	11.3
BG02@3'	11/29/23	3	1.26	53.9	<0.25	<0.244	3.67	4.64	4.09	0.298	<0.25	23.9
BG02@6'	11/29/23	6	0.981	48.3	<0.25	<0.244	2.82	3.27	3.15	<0.25	<0.25	14.8
BG03@3'	11/29/23	3	0.793	39.3	<0.25	<0.244	2.95	4.03	3.03	<0.25	<0.25	14.7
BG03@6'	11/29/23	6	0.811	48.4	<0.25	<0.244	2.73	3.09	2.78	<0.25	<0.25	12.7
BG04@3'	11/29/23	3	1.06	52.2	<0.25	<0.244	3.08	3.86	4.14	0.262	<0.25	16.4
BG04@6'	11/29/23	6	1.72	81.2	<0.25	<0.244	5.71	5.65	6.95	0.302	<0.25	26

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

(2) Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Colorado Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory minimum detection limit or laboratory reporting limit

mg/kg = Milligrams per kilogram

BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards

* Result exceeded the COGCC Table 915-1 standard, but was within the range of site-specific background concentrations x 1.25

Italics = Laboratory minimum detection limit exceeds the COGCC Table 915-1 standard

TABLE 5
CAMP 30-6J WELLHEAD
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Soil Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	< 6	< 4	2
Site-Specific Background Limits			6.97 - 8.11	1.98	0.290	ND
WH-B01@6'	11/29/23	6	8.00	0.404	0.315	0.257
BACKGROUND SOIL SAMPLING						
BG01@3'	11/29/23	3	7.11	0.199	0.113	<0.101
BG01@6'	11/29/23	6	7.53	0.544	0.0827	<0.0997
BG02@3'	11/29/23	3	8.09	0.248	0.275	<0.101
BG02@6'	11/29/23	6	8.11	0.158	0.290	<0.0991
BG03@3'	11/29/23	3	7.74	0.802	0.0872	<0.101
BG03@6'	11/29/23	6	7.35	1.98	0.0530	<0.101
BG04@3'	11/29/23	3	7.15	0.234	0.0690	<0.101
BG04@6'	11/29/23	6	6.97	0.345	0.253	<0.0992

Notes:

(1) Standards for soil are taken from ECMC Table 915-1, effective January 15, 2021

ECMC = Colorado Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

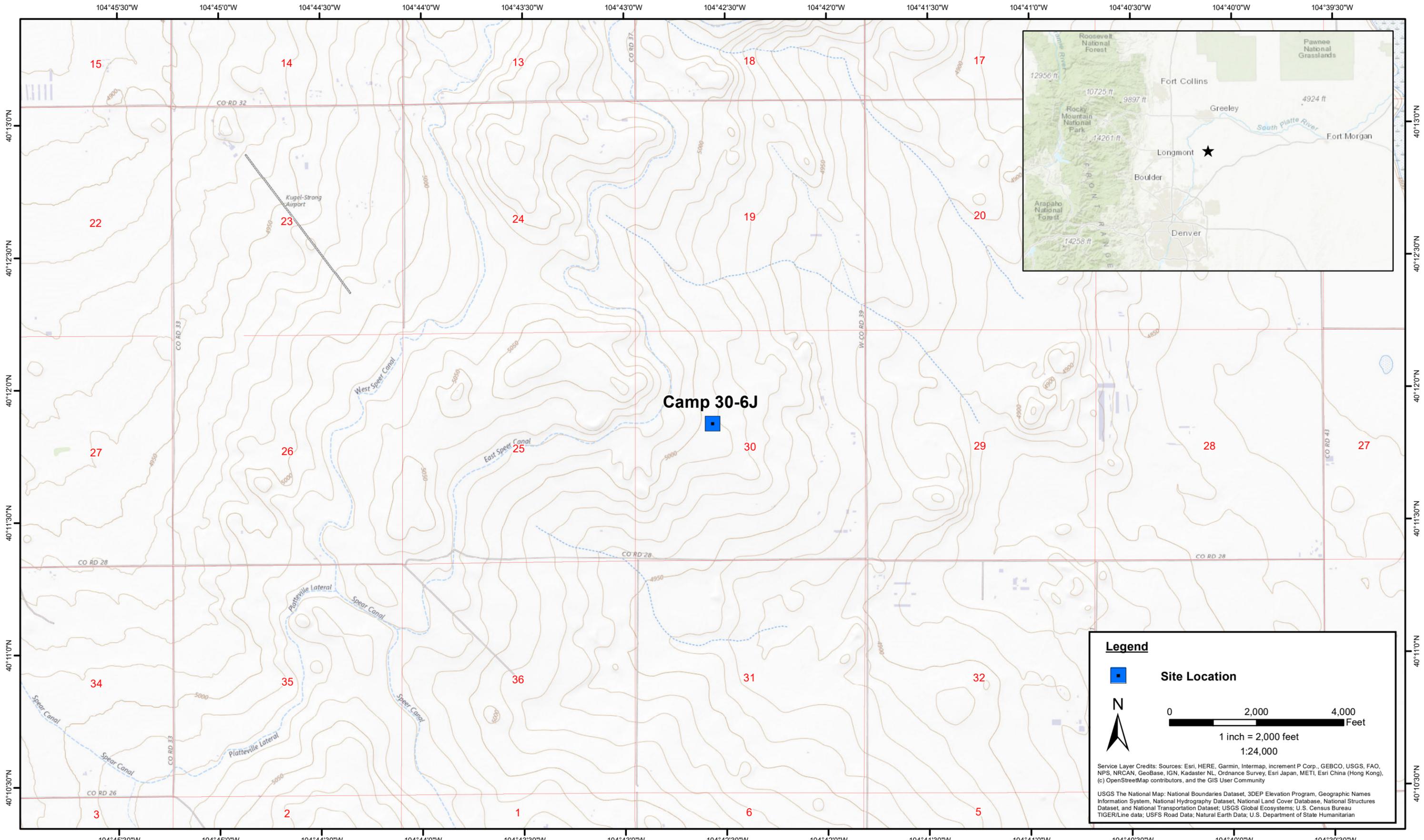
mg/L = Milligrams per liter

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of COGCC Table 915-1 soil standards

SITE NAME	SAMPLE ID	Latitude	Longitude
Camp 30-6J	WH-NW	40.19778505130	-104.70943059800
Camp 30-6J	WH-NE	40.19778479490	-104.70939407700
Camp 30-6J	WH-SW	40.19775655120	-104.70943072000
Camp 30-6J	WH-SE	40.19775679010	-104.70939462600



DATE: September 14, 2023
 DESIGNED BY: E. Siegel
 DRAWN BY: L. Reed

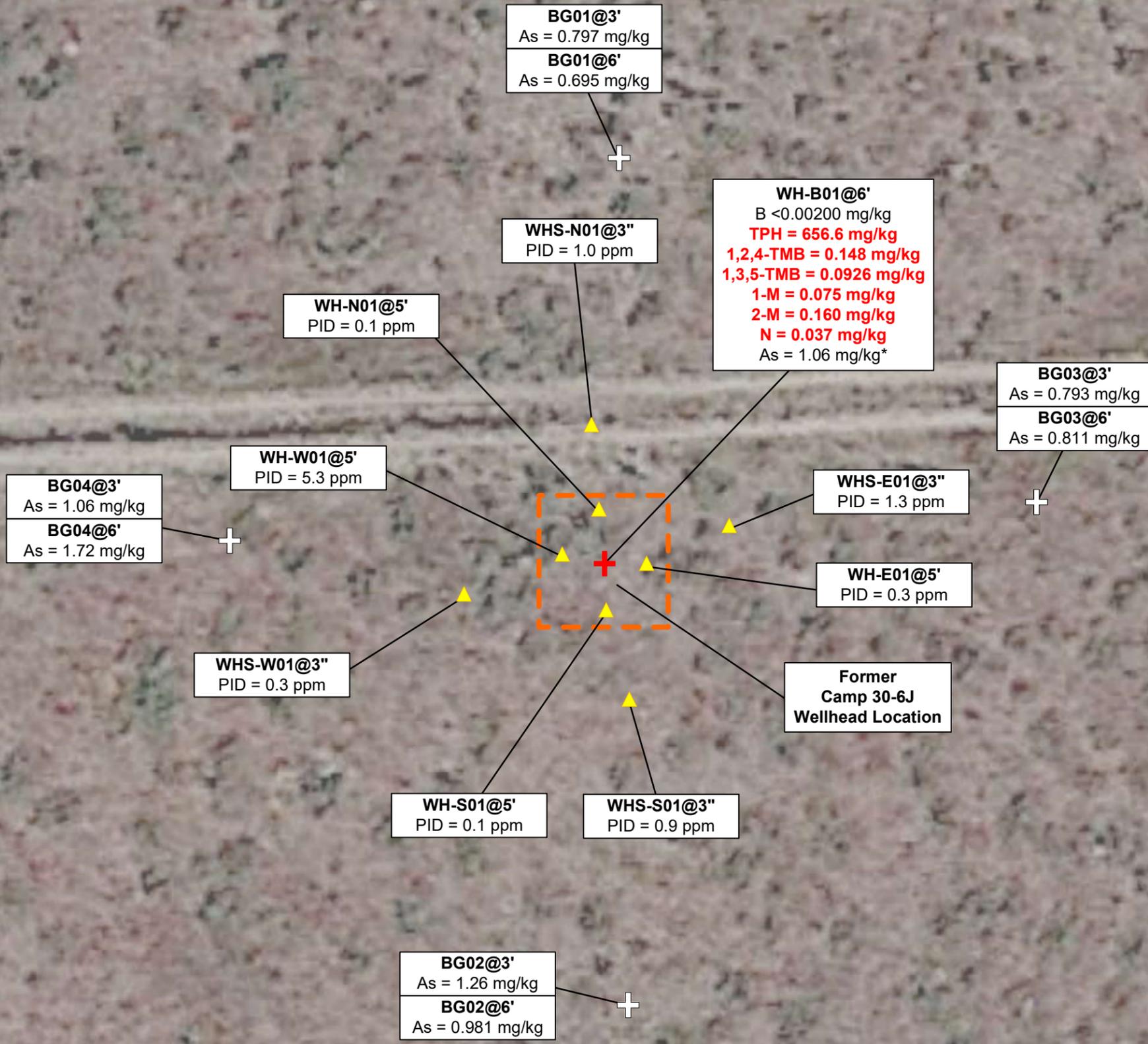


Tasman, Inc.
 6855 W. 119th Ave
 Broomfield, CO 80020

Kerr-McGee Oil and Gas Onshore LP
Camp 30-6J
 SENW Sec. 30-T3N-R65W
 Weld County, Colorado

Site Location Map

Figure
1



Legend

- Wellhead excavation extent
- Soil sample location (GPS data collected by Tasman, Inc.)
- Soil sample location – above Table 915-1 standards (GPS data collected by Tasman, Inc)
- Soil screening location (GPS data collected by Tasman, Inc.)

Notes

All locations are approximate unless otherwise noted.

Bold value indicates an exceedance of Table 915-1 standards and background levels.

B – Benzene
 TPH – Total petroleum hydrocarbons
 TMB – Trimethylbenzene
 M – Methyl naphthalene
 N – Naphthalene
 As – Arsenic
 PID – Photoionization detector
 mg/kg – Milligram per kilogram
 ppm – Parts per million

* Result exceeded the Table 915-1 standard, but was within range of site-specific background levels (x 1.25 for metals).

0 ft. 15 ft. 30 ft.

Image Source: Google Earth 2021

DATE: January 30, 2024

DESIGNED BY: A. Sagen

DRAWN BY: A. Tran



Former Kerr-McGee Oil and Gas Onshore LP
Camp 30-6J Wellhead
 SENW Sec 30-T3N-R65W
 Weld County, Colorado

Wellhead Screening and Sample Location Map

FIGURE 2

December 14, 2023

Tasman Geosciences

Andy Sagen

6855 West 119th Avenue

Broomfield CO 80020

Project Name - KMG - Camp 30-6J

Project Number - [none]

Attached are your analytical results for KMG - Camp 30-6J received by Origins Laboratory, Inc. November 29, 2023. This project is associated with Origins project number Y311654-01.

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



Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-B01@6'	Y311654-01	Soil	November 29, 2023 9:49	11/29/2023 13:40
BG01@3'	Y311654-02	Soil	November 29, 2023 11:15	11/29/2023 13:40
BG01@6'	Y311654-03	Soil	November 29, 2023 11:17	11/29/2023 13:40
BG02@3'	Y311654-04	Soil	November 29, 2023 11:19	11/29/2023 13:40
BG02@6'	Y311654-05	Soil	November 29, 2023 11:21	11/29/2023 13:40
BG03@3'	Y311654-06	Soil	November 29, 2023 11:23	11/29/2023 13:40
BG03@6'	Y311654-07	Soil	November 29, 2023 11:25	11/29/2023 13:40
BG04@3'	Y311654-08	Soil	November 29, 2023 11:27	11/29/2023 13:40
BG04@6'	Y311654-09	Soil	November 29, 2023 11:29	11/29/2023 13:40

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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

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

Sample Receipt Checklist

Origins Work Order: U311654 Client: Tasman
 Client Project ID: Camp 30-6J

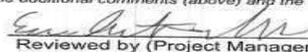
Checklist Completed by: EAS Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 11/29/23 Airbill #: N/A

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

Cooler Number/Temperature: 1112 °c / _____ °c / _____ °c / _____ °c
 Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		/		SD
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)			/	
Additional Comments (if any):				

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


 Reviewed by (Project Manager) 11/29/23
 Date/Time Reviewed

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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

WH-B01@6'

11/29/2023 9:49:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.257		0.0994	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	526		25.0	mg/kg	1	B3K2901	11/29/2023	11/29/2023	
Residual Range Organics (C28-C40)	115		100	"	"	"	"	"	

Surrogate: o-Terphenyl	85.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.148		0.00200	mg/kg	1	B3K2924	11/29/2023	11/29/2023	
1,3,5-Trimethylbenzene	0.0926		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	0.00714		0.00200	"	"	"	"	"	
Toluene	0.00774		0.00200	"	"	"	"	"	
Xylenes, total	0.158		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	15.6		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %		70-130			"	"	"	
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Surrogate: Toluene-d8	96.1 %		70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	108 %		70-130			"	"	"	
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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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

WH-B01@6'

11/29/2023 9:49:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.58		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.075		0.002	mg/kg	1	B3K2923	11/29/2023	11/29/2023	
2-Methylnaphthalene	0.160		0.002	"	"	"	"	"	
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	0.037		0.002	"	"	"	"	"	
Pyrene	ND		0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

WH-B01@6'

11/29/2023 9:49:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-01 (Soil)

PAH by EPA 8270E

Surrogate: Fluorene-d10	107 %		60-130			B3K29 23	11/29/2023	11/29/2023	
Surrogate: Anthracene-d10	88.1 %		60-130			"	"	"	
Surrogate: Pyrene-d10	102 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	94.9 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.00			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.404		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.315		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 6020B

Arsenic	1.06	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	49.7	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	
Copper	3.4	0.25	0.25	"	"	"	"	"	
Lead	6.35	0.25	0.25	"	"	"	"	"	
Nickel	3.39	0.25	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

WH-B01@6'

11/29/2023 9:49:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-01 (Soil)

Total Metals by 6020B

Selenium	ND	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	28	2.5	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720763	11/29/2023	12/06/2023	
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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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG01@3'

11/29/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	0.655		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.11			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.199		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.113		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 6020B

Arsenic	0.797	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	47.9	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

BG01@3'

11/29/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-02 (Soil)

Total Metals by 6020B

Copper	2.6	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Lead	2.95	0.25	0.25	"	"	"	"	"	
Nickel	2.84	0.25	0.25	"	"	"	"	"	
Selenium	ND	0.25	0.25	"	"	"	"	"	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	12.5	2.5	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720763	11/29/2023	12/06/2023	
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Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG01@6'

11/29/2023 11:17:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0997	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.53			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.544		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0827		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 6020B

Arsenic	0.695	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	46.2	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

BG01@6'

11/29/2023 11:17:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-03 (Soil)

Total Metals by 6020B

Copper	2.31	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Lead	2.92	0.25	0.25	"	"	"	"	"	
Nickel	2.48	0.25	0.25	"	"	"	"	"	
Selenium	ND	0.25	0.25	"	"	"	"	"	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	11.3	2.5	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720763	11/29/2023	12/06/2023	
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Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG02@3'

11/29/2023 11:19:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.56		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.09			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.248		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.275		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 6020B

Arsenic	1.26	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	53.9	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

BG02@3'

11/29/2023 11:19:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-04 (Soil)

Total Metals by 6020B

Copper	3.67	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Lead	4.64	0.25	0.25	"	"	"	"	"	
Nickel	4.09	0.25	0.25	"	"	"	"	"	
Selenium	0.298	0.25	0.25	"	"	"	"	"	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	23.9	2.5	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720763	11/29/2023	12/06/2023	
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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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG02@6'

11/29/2023 11:21:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0991	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.68		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.11			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.158		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.290		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 6020B

Arsenic	0.981	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	48.3	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

BG02@6'

11/29/2023 11:21:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-05 (Soil)

Total Metals by 6020B

Copper	2.82	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Lead	3.27	0.25	0.25	"	"	"	"	"	
Nickel	3.15	0.25	0.25	"	"	"	"	"	
Selenium	ND	0.25	0.25	"	"	"	"	"	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	14.8	2.5	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720763	11/29/2023	12/06/2023	
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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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG03@3'

11/29/2023 11:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.74			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.802		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0872		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 6020B

Arsenic	0.793	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	39.3	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

BG03@3'

11/29/2023 11:23:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-06 (Soil)

Total Metals by 6020B

Copper	2.95	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Lead	4.03	0.25	0.25	"	"	"	"	"	
Nickel	3.03	0.25	0.25	"	"	"	"	"	
Selenium	ND	0.25	0.25	"	"	"	"	"	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	14.7	2.5	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720763	11/29/2023	12/06/2023	
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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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG03@6'

11/29/2023 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-07 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.35			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	1.98		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0530		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720766	11/29/2023	12/06/2023	
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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.

Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

BG03@6'

11/29/2023 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-07 (Soil)

Total Metals by 6020B

Arsenic	0.811	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	48.4	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	
Copper	2.73	0.25	0.25	"	"	"	"	"	
Lead	3.09	0.25	0.25	"	"	"	"	"	
Nickel	2.78	0.25	0.25	"	"	"	"	"	
Selenium	ND	0.25	0.25	"	"	"	"	"	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	12.7	2.5	2.5	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG04@3'

11/29/2023 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-08 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.15			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.234		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0690		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720766	11/29/2023	12/06/2023	
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Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

BG04@3'

11/29/2023 11:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-08 (Soil)

Total Metals by 6020B

Arsenic	1.06	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	52.2	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	
Copper	3.08	0.25	0.25	"	"	"	"	"	
Lead	3.86	0.25	0.25	"	"	"	"	"	
Nickel	4.14	0.25	0.25	"	"	"	"	12/13/2023	
Selenium	0.262	0.25	0.25	"	"	"	"	12/10/2023	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	16.4	2.5	2.5	"	"	"	"	"	

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.

Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG04@6'

11/29/2023 11:29:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y311654-09 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0992	mg/L	1	B3K3011	11/30/2023	12/02/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.13		0.499	meq/L	10	[CALC]	11/30/2023	12/03/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.97			pH Units	1	B3K3014	11/30/2023	12/01/2023	
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SAR by 20B Saturated Paste

SAR	0.345		0.0100	SAR	1	B3K3008	11/30/2023	12/03/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.253		0.00500	mmhos/cm	1	B3K3014	11/30/2023	12/01/2023	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L720766	11/29/2023	12/06/2023	
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Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

BG04@6'

11/29/2023 11:29:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y311654-09 (Soil)

Total Metals by 6020B

Arsenic	1.72	0.25	0.25	mg/Kg	5	L719897	12/01/2023	12/10/2023	
Barium	81.2	0.25	0.25	"	"	"	"	"	
Cadmium	ND	0.25	0.25	"	"	"	"	"	
Copper	5.71	0.25	0.25	"	"	"	"	"	
Lead	5.65	0.25	0.25	"	"	"	"	"	
Nickel	6.95	0.25	0.25	"	"	"	"	12/13/2023	
Selenium	0.302	0.25	0.25	"	"	"	"	12/10/2023	
Silver	ND	0.25	0.25	"	"	"	"	"	
Zinc	26	2.5	2.5	"	"	"	"	"	

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K2901 - EPA 3550B										
Blank (B3K2901-BLK1)										
					Prepared: 11/29/2023 Analyzed: 11/29/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	22		"	24.9		89.2	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
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Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2901 - EPA 3550B

LCS (B3K2901-BS1)

Prepared: 11/29/2023 Analyzed: 11/29/2023

Diesel (C10-C28)	934	50.0	mg/kg	1000		93.4	70-130			
Residual Range Organics (C28-C40)	1020	200	"	1000		102	70-130			
Surrogate: o-Terphenyl	46		"	49.8		93.0	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
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 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K2901 - EPA 3550B										
Matrix Spike (B3K2901-MS1)		Source: Y311654-01			Prepared: 11/29/2023 Analyzed: 11/29/2023					
Diesel (C10-C28)	1160	50.0	mg/kg	1000	526	63.6	70-130			QM-07
Residual Range Organics (C28-C40)	992	200	"	1000	115	87.7	70-130			
Surrogate: o-Terphenyl	43		"	49.8		86.5	50-150			

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Tasman Geosciences
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Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K2901 - EPA 3550B										
Matrix Spike Dup (B3K2901-MSD1)					Source: Y311654-01					Prepared: 11/29/2023 Analyzed: 11/29/2023
Diesel (C10-C28)	1280	50.0	mg/kg	1000	526	75.8	70-130	9.94	35	
Residual Range Organics (C28-C40)	1260	200	"	1000	115	114	70-130	23.5	35	
Surrogate: o-Terphenyl	49		"	49.8		99.5	50-150			

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2924 - EPA 5030 (soil)

Blank (B3K2924-BLK1)

Prepared: 11/29/2023 Analyzed: 11/29/2023

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	106		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	99.4		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	97.8		70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2924 - EPA 5030 (soil)

LCS (B3K2924-BS1)

Prepared: 11/29/2023 Analyzed: 11/29/2023

1,2,4-Trimethylbenzene	0.0854	0.00200	mg/kg	0.100		85.4	70-130			
1,3,5-Trimethylbenzene	0.0853	0.00200	"	0.100		85.3	70-130			
Benzene	0.0886	0.00200	"	0.100		88.6	70-130			
Ethylbenzene	0.0883	0.00200	"	0.100		88.3	70-130			
Naphthalene	0.0892	0.00380	"	0.100		89.2	70-130			
Toluene	0.0806	0.00200	"	0.100		80.6	70-130			
o-Xylene	0.0946	0.00200	"	0.100		94.6	70-130			
m,p-Xylene	0.173	0.00400	"	0.200		86.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		108	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2924 - EPA 5030 (soil)

Matrix Spike (B3K2924-MS1)	Source: Y311654-01			Prepared: 11/29/2023 Analyzed: 11/29/2023						
1,2,4-Trimethylbenzene	0.418	0.00200	mg/kg	0.100	0.148	269	70-130			QM-07
1,3,5-Trimethylbenzene	0.383	0.00200	"	0.100	0.0926	290	70-130			QM-07
Benzene	0.0915	0.00200	"	0.100	ND	91.5	70-130			
Ethylbenzene	0.137	0.00200	"	0.100	0.00714	130	70-130			
Naphthalene	0.152	0.00380	"	0.100	0.0288	123	70-130			
Toluene	0.147	0.00200	"	0.100	0.00774	139	70-130			QM-07
o-Xylene	0.313	0.00200	"	0.100	0.0408	272	70-130			QM-07
m,p-Xylene	0.822	0.00400	"	0.200	0.118	352	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		120	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2924 - EPA 5030 (soil)

Matrix Spike Dup (B3K2924-MSD1)	Source: Y311654-01			Prepared: 11/29/2023 Analyzed: 11/29/2023						
1,2,4-Trimethylbenzene	0.290	0.00200	mg/kg	0.100	0.148	142	70-130	36.0	20	QM-07
1,3,5-Trimethylbenzene	0.216	0.00200	"	0.100	0.0926	124	70-130	55.6	20	QR-02
Benzene	0.0973	0.00200	"	0.100	ND	97.3	70-130	6.10	20	
Ethylbenzene	0.109	0.00200	"	0.100	0.00714	102	70-130	22.8	20	QR-02
Naphthalene	0.143	0.00380	"	0.100	0.0288	114	70-130	6.09	20	
Toluene	0.105	0.00200	"	0.100	0.00774	97.1	70-130	33.3	20	QR-02
o-Xylene	0.177	0.00200	"	0.100	0.0408	136	70-130	55.6	20	QM-07
m,p-Xylene	0.403	0.00400	"	0.200	0.118	143	70-130	68.5	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		112	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2923 - EPA 3580

Blank (B3K2923-BLK1)

Prepared: 11/29/2023 Analyzed: 11/29/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	170		"	200		86.9	60-130			
Surrogate: Pyrene-d10	200		"	200		98.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.9	60-130			

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2923 - EPA 3580

LCS (B3K2923-BS1)

Prepared: 11/29/2023 Analyzed: 11/29/2023

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200		95.2	70-130			
2-Methylnaphthalene	0.183	0.002	"	0.200		91.5	70-130			
Acenaphthene	0.184	0.020	"	0.200		92.1	70-130			
Anthracene	0.170	0.020	"	0.200		85.1	70-130			
Benzo (a) anthracene	0.161	0.005	"	0.200		80.5	70-130			
Benzo (a) pyrene	0.183	0.020	"	0.200		91.6	70-130			
Benzo (b) fluoranthene	0.183	0.020	"	0.200		91.6	70-130			
Benzo (g,h,i) perylene	0.201	0.020	"	0.200		100	70-130			
Benzo (k) fluoranthene	0.177	0.020	"	0.200		88.5	70-130			
Chrysene	0.177	0.020	"	0.200		88.5	70-130			
Dibenz (a,h) anthracene	0.183	0.020	"	0.200		91.6	70-130			
Fluoranthene	0.172	0.020	"	0.200		85.8	70-130			
Fluorene	0.185	0.020	"	0.200		92.7	70-130			
Indeno (1,2,3-cd) pyrene	0.172	0.020	"	0.200		86.0	70-130			
Naphthalene	0.187	0.002	"	0.200		93.7	70-130			
Phenanthrene	0.169	0.020	"	0.200		84.4	70-130			
Pyrene	0.167	0.020	"	0.200		83.4	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	170		"	200		86.7	60-130			
Surrogate: Pyrene-d10	190		"	200		95.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		98.1	60-130			

Matrix Spike (B3K2923-MS1)

Source: Y311654-01

Prepared: 11/29/2023 Analyzed: 11/29/2023

1-Methylnaphthalene	0.228	0.002	mg/kg	0.200	0.075	76.6	70-130			
2-Methylnaphthalene	0.274	0.002	"	0.200	0.160	56.7	70-130			QM-07
Acenaphthene	0.193	0.020	"	0.200	0.011	90.6	70-130			
Anthracene	0.163	0.020	"	0.200	0.002	80.2	70-130			

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2923 - EPA 3580

Matrix Spike (B3K2923-MS1)		Source: Y311654-01			Prepared: 11/29/2023 Analyzed: 11/29/2023					
Benzo (a) anthracene	0.171	0.005	mg/kg	0.200	0.004	83.4	70-130			
Benzo (a) pyrene	0.179	0.020	"	0.200	ND	89.4	70-130			
Benzo (b) fluoranthene	0.190	0.020	"	0.200	ND	95.0	70-130			
Benzo (g,h,i) perylene	0.192	0.020	"	0.200	0.0009	95.4	70-130			
Benzo (k) fluoranthene	0.161	0.020	"	0.200	ND	80.4	70-130			
Chrysene	0.174	0.020	"	0.200	0.002	85.9	70-130			
Dibenz (a,h) anthracene	0.178	0.020	"	0.200	ND	89.1	70-130			
Fluoranthene	0.181	0.020	"	0.200	0.0005	90.4	70-130			
Fluorene	0.201	0.020	"	0.200	0.016	92.5	70-130			
Indeno (1,2,3-cd) pyrene	0.165	0.020	"	0.200	ND	82.3	70-130			
Naphthalene	0.210	0.002	"	0.200	0.037	86.7	70-130			
Phenanthrene	0.177	0.020	"	0.200	0.015	81.2	70-130			
Pyrene	0.172	0.020	"	0.200	0.0006	85.6	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	180		"	200		87.7	60-130			
Surrogate: Pyrene-d10	190		"	200		95.2	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		97.3	60-130			

Matrix Spike Dup (B3K2923-MSD1)		Source: Y311654-01			Prepared: 11/29/2023 Analyzed: 11/29/2023					
1-Methylnaphthalene	0.219	0.002	mg/kg	0.200	0.075	71.7	70-130	4.40	20	
2-Methylnaphthalene	0.245	0.002	"	0.200	0.160	42.3	70-130	11.1	20	QM-07
Acenaphthene	0.193	0.020	"	0.200	0.011	90.6	70-130	0.0696	20	
Anthracene	0.180	0.020	"	0.200	0.002	88.8	70-130	10.0	20	
Benzo (a) anthracene	0.176	0.005	"	0.200	0.004	85.8	70-130	2.78	20	
Benzo (a) pyrene	0.185	0.020	"	0.200	ND	92.3	70-130	3.09	20	
Benzo (b) fluoranthene	0.194	0.020	"	0.200	ND	96.8	70-130	1.88	20	
Benzo (g,h,i) perylene	0.202	0.020	"	0.200	0.0009	101	70-130	5.21	20	

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K2923 - EPA 3580

Matrix Spike Dup (B3K2923-MSD1)	Source: Y311654-01			Prepared: 11/29/2023 Analyzed: 11/29/2023						
Benzo (k) fluoranthene	0.186	0.020	mg/kg	0.200	ND	93.0	70-130	14.6	20	
Chrysene	0.182	0.020	"	0.200	0.002	89.6	70-130	4.14	20	
Dibenz (a,h) anthracene	0.187	0.020	"	0.200	ND	93.5	70-130	4.90	20	
Fluoranthene	0.186	0.020	"	0.200	0.0005	92.6	70-130	2.39	20	
Fluorene	0.197	0.020	"	0.200	0.016	90.7	70-130	1.78	20	
Indeno (1,2,3-cd) pyrene	0.170	0.020	"	0.200	ND	84.9	70-130	3.04	20	
Naphthalene	0.210	0.002	"	0.200	0.037	86.5	70-130	0.244	20	
Phenanthrene	0.178	0.020	"	0.200	0.015	81.5	70-130	0.341	20	
Pyrene	0.168	0.020	"	0.200	0.0006	83.9	70-130	2.07	20	
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	170		"	200		86.8	60-130			
Surrogate: Pyrene-d10	180		"	200		91.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3K3008 - Saturated Paste Metals

Blank (B3K3008-BLK1)

Prepared: 11/30/2023 Analyzed: 12/03/2023

Calcium PPM	ND	10.0	mg/L							
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B3K3008-DUP1)

Source: Y311654-02

Prepared: 11/30/2023 Analyzed: 12/03/2023

SAR	ND	0.0100	SAR		0.199				200	
Calcium PPM	16.7	10.0	mg/L		13.1			23.9	50	
Magnesium PPM	4.28	10.0	"		3.31			25.6	50	
Sodium PPM	5.36	10.0	"		3.12			52.8	50	QR-DUP

Batch B3K3011 - DTPA Sorbitol Preparation

Blank (B3K3011-BLK1)

Prepared: 11/30/2023 Analyzed: 12/02/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3K3011-DUP1)

Source: Y311654-01

Prepared: 11/30/2023 Analyzed: 12/02/2023

Boron	0.281	0.100	mg/L		0.257			8.86	50	
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Tasman Geosciences
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 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3K3014 - Saturated Paste pH/EC										
Blank (B3K3014-BLK1)					Prepared: 11/30/2023 Analyzed: 12/01/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3K3014-DUP1)					Source: Y311654-02 Prepared: 11/30/2023 Analyzed: 12/01/2023					
pH	7.38		pH Units		7.11			3.73	25	
Specific Conductance (EC)	0.163	0.00500	mmhos/cm		0.113			36.1	25	QR-DUP

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Tasman Geosciences
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 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L720766 -										
DUP (L 97297-DUP)			Source: Y311654-07		Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		97297		-	0	20	
MS (L 97297-MS)			Source: Y311654-07		Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	32.3	2.5	mg/Kg	39.3	97297	82	75-125			
LCS (LCS)					Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	6.49	0.5	mg/Kg	8		81	75-125			
LRB (LRB)					Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L719897 - 3050B

MSD (L 97303-MSD-L719897)		Source: 97303			Prepared: 12/01/2023 Analyzed: 12/10/2023					
Zinc	36	2.5	mg/Kg	24	13.8	92	75-125	1.3	80	
Lead	6.55	0.25	"	2.4	4.42	89	75-125	1.9	80	
Silver	0.495	0.25	"	0.481	0.017	99	75-125	1.4	80	
Copper	5.43	0.25	"	2.4	3.04	99	75-125	0.5	80	
Selenium	4.47	0.25	"	4.81	0.218	88	75-125	4.8	80	
Barium	45.5	0.25	"	4.81	36.8	181	75-125	1.7	80	*
Arsenic	2.93	0.25	"	2.4	0.768	90	75-125	0.6	80	
Cadmium	0.522	0.25	"	0.481	0.065	95	75-125	0.5	80	
Nickel	5.07	0.25	"	2.4	2.77	96	75-125	0.1	80	

MS (L 97303-MS-L719897)		Source: 97303			Prepared: 12/01/2023 Analyzed: 12/10/2023					
Selenium	4.26	0.25	mg/Kg	4.8	0.218	84	75-125			
Silver	0.488	0.25	"	0.48	0.017	98	75-125			
Nickel	5.08	0.25	"	2.4	2.77	96	75-125			
Lead	6.68	0.25	"	2.4	4.42	94	75-125			
Copper	5.4	0.25	"	2.4	3.04	98	75-125			
Cadmium	0.525	0.25	"	0.48	0.065	96	75-125			
Barium	44.7	0.25	"	4.8	36.8	165	75-125			*
Arsenic	2.91	0.25	"	2.4	0.768	89	75-125			
Zinc	35.5	2.5	"	24	13.8	90	75-125			

LCS (LCS-L719897)		Prepared: 12/01/2023 Analyzed: 12/10/2023								
Lead	2.39	0.25	mg/Kg	2.5		96	80-120			
Zinc	23.2	2.5	"	25		93	80-120			
Silver	0.486	0.25	"	0.5		97	80-120			
Copper	2.37	0.25	"	2.5		95	80-120			
Cadmium	0.482	0.25	"	0.5		96	80-120			

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Total Metals by 6020B - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L719897 - 3050B

LCS (LCS-L719897)

Prepared: 12/01/2023 Analyzed: 12/10/2023

Barium	4.83	0.25	mg/Kg	5		97	80-120			
Arsenic	2.35	0.25	"	2.5		94	80-120			
Nickel	2.27	0.25	"	2.5		91	80-120			
Selenium	4.53	0.25	"	5		91	80-120			

LRB (LRB-L719897)

Prepared: 12/01/2023 Analyzed: 12/10/2023

Cadmium	ND	0.25	mg/Kg				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Zinc	ND	2.5	"				-			
Nickel	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Lead	ND	0.25	"				-			

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Tasman Geosciences
 6855 West 119th Avenue
 Broomfield CO 80020

Andy Sagen
 Project Number: [none]
 Project: KMG - Camp 30-6J

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L720763 -										
DUP (L 97292-DUP)			Source: Y311654-02		Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		97292		-	0	20	
MS (L 97292-MS)			Source: Y311654-02		Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	33.5	2.5	mg/Kg	39.7	97292	84	75-125			
LCS (LCS)					Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	6.91	0.5	mg/Kg	8		86	75-125			
LRB (LRB)					Prepared: Analyzed: 12/06/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Andy Sagen
Project Number: [none]
Project: KMG - Camp 30-6J

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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 recovery.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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