

**DCP PARMLEE #1
FOURTH QUARTER 2021
FORM 27 SUPPLEMENTAL REMEDIATION SUMMARY REPORT**

ATTACHMENTS

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 - 2111377
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TABLE 1
DCP Midstream - Parmlee #1
Volatile Organic Compound (VOC) Soil Sample Analytical Results Summary Table

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)	TPH (mg/kg) ^{1,2}	Comments
COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^{1,2} (mg/kg)				0.0026 (M)	0.69 (M)	0.78 (M)	9.9 (M)	0.0081 (R)	0.0087 (R)	0.0038 (R)	500	
E25N @ 29'	11/10/2021	2111176	1.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E25 - North
E25E @ 29'	11/10/2021	2111176	1.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E25 - East
D20E @ 29'	11/10/2021	2111176	1.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D20 - East
C15E @ 29'	11/10/2021	2111176	53.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C15 - East
C15B @ 33'	11/10/2021	2111176	9.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C15 - Base
B10E @ 25'	11/10/2021	2111176	49.8	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B10 - East
B10B @ 29'	11/10/2021	2111176	39.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B10 - Base
E24B @ 33'	11/12/2021	2111241	3.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E24 - Base
E25B @ 33'	11/12/2021	2111241	1.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E25 - Base
D20B @ 33'	11/12/2021	2111241	6.8	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D20 - Base
E23B @ 33'	11/15/2021	2111273	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E23 - Base
E22B @ 33'	11/16/2021	2111298	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E22 - Base
E21B @ 33'	11/18/2021	2111372	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E21 - Base
E20B @ 33'	11/18/2021	2111372	10.9	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E20 - Base
D19B @ 33'	11/19/2021	2111377	9.8	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D19 - Base
D18B @ 33'	11/19/2021	2111377	7.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D18 - Base
D17B @ 33'	11/22/2021	2111396	2.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D17 - Base
C14B @ 33'	11/22/2021	2111396	6.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C14 - Base
D16B @ 33'	11/23/2021	2111432	2.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D16 - Base
C13B @ 33'	11/23/2021	2111432	4.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C13 - Base
B9B @ 33'	11/29/2021	2111492	4.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B9 - Base
C12B @ 33'	11/30/2021	2111524	13.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C12 - Base
C11B @ 33'	11/30/2021	2111524	12.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C11 - Base
B6B@33'	12/1/2021	2112017	31.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B6 - Base
B6W@29'	12/1/2021	2112017	187.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B6 - West
B9SE@31'	12/1/2021	2112017	503.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B9 - Southeast Corner
B6S@28'	12/2/2021	2112043	25.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B6 - South
A4B@33'	12/2/2021	2112043	14.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell A4 - Base
B7B@33'	12/2/2021	2112043	28.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B7 - Base
B8B@33'	12/2/2021	2112043	35.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B8 - Base
B7S@28'	12/2/2021	2112043	180.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B7 - Base
B8S@27'	12/2/2021	2112043	1145.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell B8 - South
A3S@29'	12/3/2021	2112060	232.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell A3 - South
A5E@29'	12/3/2021	2112060	766.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell A5 - East
A5B@33'	12/3/2021	2112060	14.7	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell A5 - Base
AA4S@31'	12/6/2021	2112092	51.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell AA4 - South
AA4B@33'	12/6/2021	2112092	19.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell AA4 - Base
A5S@29'	12/6/2021	2112092	44.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell A5 - South
F29N@31'	12/6/2021	2112092	109.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F29 - North
F29B@33'	12/6/2021	2112092	20.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F29 - Base
F28N@31'	12/7/2021	2112123	23.9	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F28 - North
F28B@33'	12/7/2021	2112123	36.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F28 - Base
F27B@33'	12/7/2021	2112123	44.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F27 - Base
F26N@31'	12/8/2021	2112159	481.5	0.0070	0.063	0.11	0.67	0.38	0.17	0.046	354	Cell F26 - North (Non-delineating)
F26B@33'	12/8/2021	2112159	206.3	0.0042	0.025	0.011	0.068	0.010	<0.0050	<0.0038	1.2	Cell F26 - 1' Above Final Base
F25B@33'	12/8/2021	2112159	13.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F25 - Base
G32N@29'	12/8/2021	2112159	4.9	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G32 - North
G32B@33'	12/8/2021	2112159	2.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G32 - Base
C10W@31'	12/8/2021	2112159	1.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C10 - West
C10B@33'	12/8/2021	2112159	0.8	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C10 - Base
D15W@31'	12/9/2021	2112192	45.1	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D15 - West
D15B@33'	12/9/2021	2112192	2.4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell D15 - Base
C10S@29'	12/9/2021	2112192	1.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell C10 - South
F26B@33.5'	12/9/2021	2112192	40.2	<0.0020	<0.0050	0.013	<0.010	<0.0050	<0.0050	0.0061	<50	Cell F26 - 0.5' Above Final Base
G31N@31'	12/9/2021	2112192	1.2	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G31 - North
G31B@33'	12/9/2021	2112192	0.4	0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G31 - 0.5' Above Final Base
E19W@31'	12/9/2021	2112192	0.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E19 - West
E20S@31'	12/9/2021	2112192	1.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell E20 - South
F24W@31'	12/9/2021	2112192	25.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F24 - West
F24B@33'	12/9/2021	2112192	1.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F24 - Base
G31B@33.5'	12/10/2021	2112202	1.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G31 - Base
F26B@34'	12/10/2021	2112202	1.8	<0.0020	<0.0050	0.013	0.040	<0.0050	<0.0050	<0.0038	<50	Cell F26 - Base
F24S@31'	12/10/2021	2112202	6.7	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell F24 - South
G30N@31'	12/10/2021	2112202	4.8	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G30 - North
G30B@33'	12/10/2021	2112202	0.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G30 - Base

TABLE 1
DCP Midstream - Parmlee #1
Volatile Organic Compound (VOC) Soil Sample Analytical Results Summary Table

G29B@33'	12/10/2021	2112202	3.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G29 - Base
G28W@31'	12/13/2021	2112241	3.8	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G28 - West
G28B@33'	12/13/2021	2112241	9.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G28 - Base
G28S@31'	12/13/2021	2112241	73.7	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell G28 - South
H32W@31'	12/14/2021	2112261	2.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell H32 - West
H32B@33'	12/14/2021	2112261	3.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell H32 - Base
H33B@33'	12/14/2021	2112261	0.9	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell H33 - Base
I37W@31'	12/16/2021	2112309	5.4	0.016	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell I37 - West (Non-delineating)
I38N@31'	12/16/2021	2112309	36.3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell I38 - North
I39E@31'	12/16/2021	2112309	42.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell I39 - East
H34E@31'	12/17/2021	2112322	6.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell H34 - East
I37B@33'	12/17/2021	2112322	1.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell I37 - Base
I38B@33'	12/17/2021	2112322	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell I38 - Base
H34N@31'	12/17/2021	2112322	19.2	<0.0020	<0.0050	0.034	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell H34 - North
I37W@27'	12/21/2021	2112381	61.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell I 37 - West
J42N@27'	12/21/2021	2112381	3.5	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	Cell J42 - North

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 910-1 (Prior to January 15th, 2021) and Table 915-1 (Post January 15, 2021) 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.

3). The letter "IR" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "DM" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.

4). TPH - Total volatile (C₆ - C₁₀) and extractable (C₁₀ - C₂₀) 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 the Site Specific and/or the COGCC soil standards for the Site.

Table 915 note - If the method detection limit ("MDL") or practical quantitation limit ("PQL") for a pollutant is higher (less stringent) than a threshold concentration listed in Table 915-1, the Director may allow an Operator to substitute the MDL or PQL for the concentration listed in Table 915-1.

Table 2
DCP Midstream - Parmlee #1
Polyaromatic Hydrocarbon (PAHs) Soil Sample Results
Weld County, Colorado

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	1-methylnaphthalene (mg/kg)	2-methylnaphthalene (mg/kg)	Comments
COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1 & 2) (mg/kg)	-	-	-	0.006 (R)	0.019 (R)	
E25N @ 29'	11/10/2021	2111176	1.1	<0.00500	<0.00500	Cell E25 - North
E25E @ 29'	11/10/2021	2111176	1.2	<0.00500	<0.00500	Cell E25 - East
D20E @ 29'	11/10/2021	2111176	1.2	<0.00500	<0.00500	Cell D20 - East
C15E @ 29'	11/10/2021	2111176	53.5	<0.00500	<0.00500	Cell C15 - East
C15B @ 33'	11/10/2021	2111176	9.3	<0.00500	<0.00500	Cell C15 - Base
B10E @ 25'	11/10/2021	2111176	49.8	<0.00500	<0.00500	Cell B10 - East
B10B @ 29'	11/10/2021	2111176	39.0	<0.00500	<0.00500	Cell B10 - Base
E24B @ 33'	11/12/2021	2111241	3.5	<0.00500	<0.00500	Cell E24 - Base
E25B @ 33'	11/12/2021	2111241	1.2	<0.00500	<0.00500	Cell E25 - Base
D20B @ 33'	11/12/2021	2111241	6.8	<0.00500	<0.00500	Cell D20 - Base
E23B @ 33'	11/15/2021	2111273	0.0	<0.00500	<0.00500	Cell E23 - Base
E22B @ 33'	11/16/2021	2111298	0.0	<0.00500	<0.00500	Cell E22 - Base
E21B @ 33'	11/18/2021	2111372	0.0	<0.00500	<0.00500	Cell E21 - Base
E20B @ 33'	11/18/2021	2111372	10.9	<0.00500	<0.00500	Cell E20 - Base
D19B @ 33'	11/19/2021	2111377	9.8	<0.00500	<0.00500	Cell D19 - Base
D18B @ 33'	11/19/2021	2111377	7.0	<0.00500	<0.00500	Cell D18 - Base
D17B @ 33'	11/22/2021	2111396	2.5	<0.00500	<0.00500	Cell D17 - Base
C14B @ 33'	11/22/2021	2111396	6.1	<0.00500	<0.00500	Cell C14 - Base
D16B @ 33'	11/23/2021	2111432	2.1	<0.00500	<0.00500	Cell D16 - Base
C13B @ 33'	11/23/2021	2111432	4.6	<0.00500	<0.00500	Cell C13 - Base
B9B @ 33'	11/29/2021	2111492	4.0	<0.00500	<0.00500	Cell B9 - Base
C12B @ 33'	11/30/2021	211524	13.4	<0.00500	<0.00500	Cell C12 - Base
C11B @ 33'	11/30/2021	211524	12.1	<0.00500	<0.00500	Cell C11 - Base
B6B@33'	12/1/2021	2112017	31.5	<0.00500	<0.00500	Cell B6 - Base
B6W@29'	12/1/2021	2112017	187.2	<0.00500	<0.00500	Cell B6 - West
B9SE@31'	12/1/2021	2112017	503.2	<0.00500	<0.00500	Cell B9 - Southeast Corner
B6S@28'	12/2/2021	2112043	25.1	<0.00500	<0.00500	Cell B6 - South
A4B@33'	12/2/2021	2112043	14.2	<0.00500	<0.00500	Cell A4 - Base
B7B@33'	12/2/2021	2112043	28.4	<0.00500	<0.00500	Cell B7 - Base
B8B@33'	12/2/2021	2112043	35.2	<0.00500	<0.00500	Cell B8 - Base
B7S@28'	12/2/2021	2112043	180.4	<0.00500	<0.00500	Cell B7 - Base
B8S@27'	12/2/2021	2112043	1145.0	<0.00500	<0.00500	Cell B8 - South
A3S@29'	12/3/2021	2112060	232.3	<0.00500	<0.00500	Cell A3 - South
A5E@29'	12/3/2021	2112060	766.0	<0.00500	<0.00500	Cell A5 - East
A5B@33'	12/3/2021	2112060	14.7	<0.00500	<0.00500	Cell A5 - Base
AA4S@31'	12/6/2021	2112092	51.6	<0.00500	<0.00500	Cell AA4 - South
AA4B@33'	12/6/2021	2112092	19.0	<0.00500	<0.00500	Cell AA4 - Base
AS5@29'	12/6/2021	2112092	44.6	<0.00500	<0.00500	Cell A5 - South
F29N@31'	12/6/2021	2112092	109.4	<0.00500	<0.00500	Cell F29 - North
F29B@33'	12/6/2021	2112092	20.2	<0.00500	<0.00500	Cell F29 - Base
F28N@31'	12/7/2021	2112123	23.9	<0.00500	<0.00500	Cell F28 - North

Table 2
DCP Midstream - Parmlee #1
Polyaromatic Hydrocarbon (PAHs) Soil Sample Results
Weld County, Colorado

F28B@33'	12/7/2021	2112123	36.0	<0.00500	<0.00500	Cell F28 - Base
F27B@33'	12/7/2021	2112123	44.2	<0.00500	<0.00500	Cell F27 - Base
F26N@31'	12/8/2021	2112159	481.5	0.307	0.49	Cell F26 - North (Non-delineating)
F26B@33'	12/8/2021	2112159	206.3	<0.00500	<0.00500	Cell F26 - 1' Above Final Base
F25B@33'	12/8/2021	2112159	13.1	<0.00500	<0.00500	Cell F25 - Base
G32N@29'	12/8/2021	2112159	4.9	<0.00500	<0.00500	Cell G32 - North
G32B@33'	12/8/2021	2112159	2.2	<0.00500	<0.00500	Cell G32 - Base
C10W@31'	12/8/2021	2112159	1.5	<0.00500	<0.00500	Cell C10 - West
C10B@33'	12/8/2021	2112159	0.8	<0.00500	<0.00500	Cell C10 - Base
D15W@31'	12/9/2021	2112192	45.1	<0.00500	<0.00500	Cell D15 - West
D15B@33'	12/9/2021	2112192	2.4	<0.00500	<0.00500	Cell D15 - Base
C10S@29'	12/9/2021	2112192	1.2	<0.00500	<0.00500	Cell C10 - South
F26B@33.5'	12/9/2021	2112192	40.2	<0.00500	<0.00500	Cell F26 - 0.5' Above Final Base
G31N@31'	12/9/2021	2112192	1.2	<0.00500	<0.00500	Cell G31 - North
G31B@33'	12/9/2021	2112192	0.4	<0.00500	<0.00500	Cell G31 - 0.5' Above Final Base
E19W@31'	12/9/2021	2112192	0.5	<0.00500	<0.00500	Cell E19 - West
E20S@31'	12/9/2021	2112192	1.6	<0.00500	<0.00500	Cell E20 - South
F24W@31'	12/9/2021	2112192	25.6	<0.00500	<0.00500	Cell F24 - West
F24B@33'	12/9/2021	2112192	1.6	<0.00500	<0.00500	Cell F24 - Base
G31B@33.5'	12/10/2021	2112202	1.3	<0.00500	<0.00500	Cell G31 - Base
F26B@34'	12/10/2021	2112202	1.8	<0.00500	<0.00500	Cell F26 - Base
F24S@31'	12/10/2021	2112202	6.7	<0.00500	<0.00500	Cell F24 - South
G30N@31'	12/10/2021	2112202	4.8	<0.00500	<0.00500	Cell G30 - North
G30B@33'	12/10/2021	2112202	0.6	<0.00500	<0.00500	Cell G30 - Base
G29B@33'	12/10/2021	2112202	3.3	<0.00500	<0.00500	Cell G29 - Base
G28W@31'	12/13/2021	2112241	3.8	<0.00500	<0.00500	Cell G28 - West
G28B@33'	12/13/2021	2112241	9.6	<0.00500	<0.00500	Cell G28 - Base
G28S@31'	12/13/2021	2112241	73.7	<0.00500	<0.00500	Cell G28 - South
H32W@31'	12/14/2021	2112261	2.3	<0.00500	<0.00500	Cell H32 - West
H32B@33'	12/14/2021	2112261	3.6	<0.00500	<0.00500	Cell H32 - Base
H33B@33'	12/14/2021	2112261	0.9	<0.00500	<0.00500	Cell H33 - Base
I37W@31'	12/16/2021	2112309	5.4	<0.00500	<0.00500	Cell I37 - West (Non-delineating)
I38N@31'	12/16/2021	2112309	36.3	<0.00500	<0.00500	Cell I38 - North
I39E@31'	12/16/2021	2112309	42.6	<0.00500	<0.00500	Cell I39 - East
H34E@31'	12/17/2021	2112322	6.6	<0.00500	<0.00500	Cell H34 - East
I37B@33'	12/17/2021	2112322	1.5	<0.00500	<0.00500	Cell I37 - Base
I38B@33'	12/17/2021	2112322	0.0	<0.00500	<0.00500	Cell I38 - Base
H34N@31'	12/17/2021	2112322	19.2	<0.00500	<0.00500	Cell H34 - North
I37W@27'	12/21/2021	2112381	61.5	<0.00500	<0.00500	Cell I 37 - West
J42N@27'	12/21/2021	2112381	3.5	<0.00500	<0.00500	Cell J42 - North

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

2). The letter "(R)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "(M)" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.

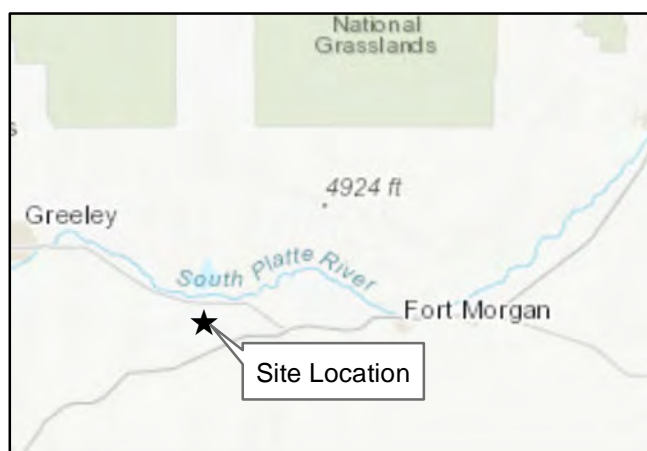
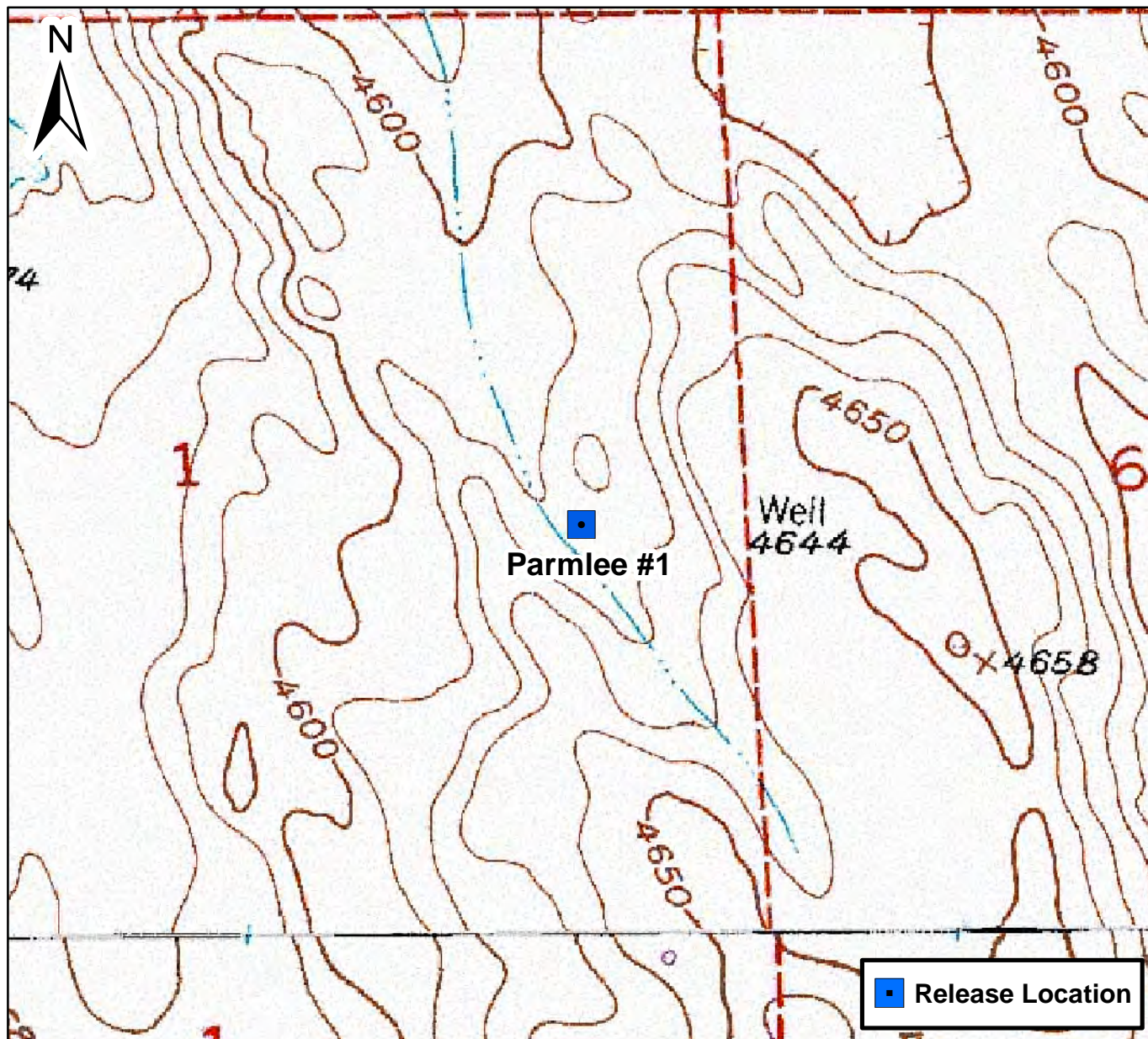
mg/kg= Milligrams per kilogram.

PPM - Parts per million

PID - Photoionization Detector

Bold values indicate an exceedance of the COGCC soil standards for the Site.

Table 915 note - If the method detection limit ("MDL") or practical quantitation limit ("PQL") for a pollutant is higher (less stringent) than a threshold concentration listed in Table 915-1, the Director may allow an Operator to substitute the MDL or PQL for the concentration listed in Table 915-1.

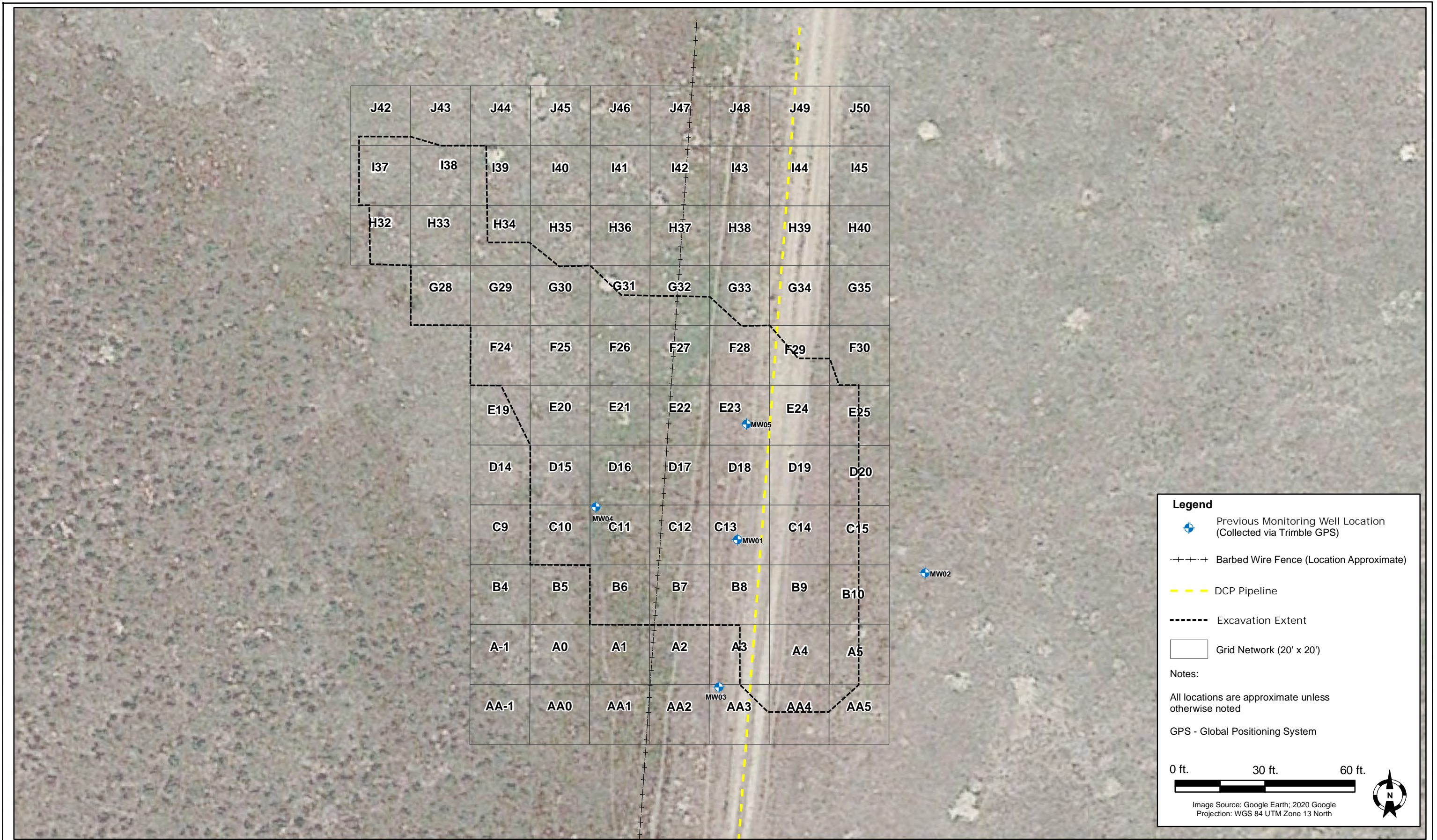


0 750 1,500 Feet

Figure 1

Site Location Map
 Parmlee #1
 SENE S1 T3N R62W
 Weld County, Colorado





DATE: December 2021

DESIGNED BY:
J. Watts

DRAWN BY:
J. Clonts

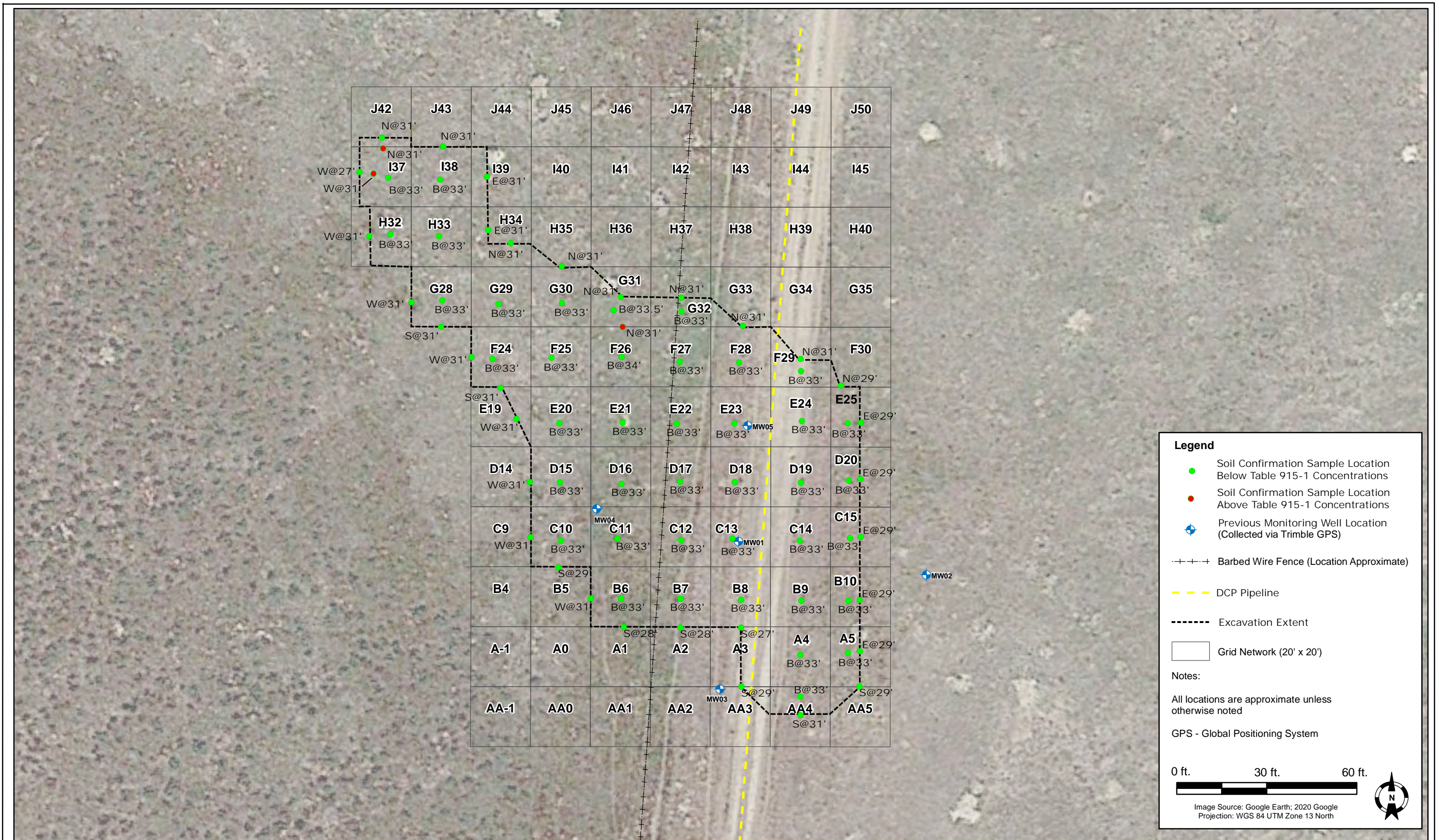


Tasman Geosciences, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Midstream
Parmlee #1
S1 T3N R62W
Weld, Colorado

Site Overview Map

Figure
2



DATE: December 2021

DESIGNED BY:
J. Watts

DRAWN BY:
J. Clonts

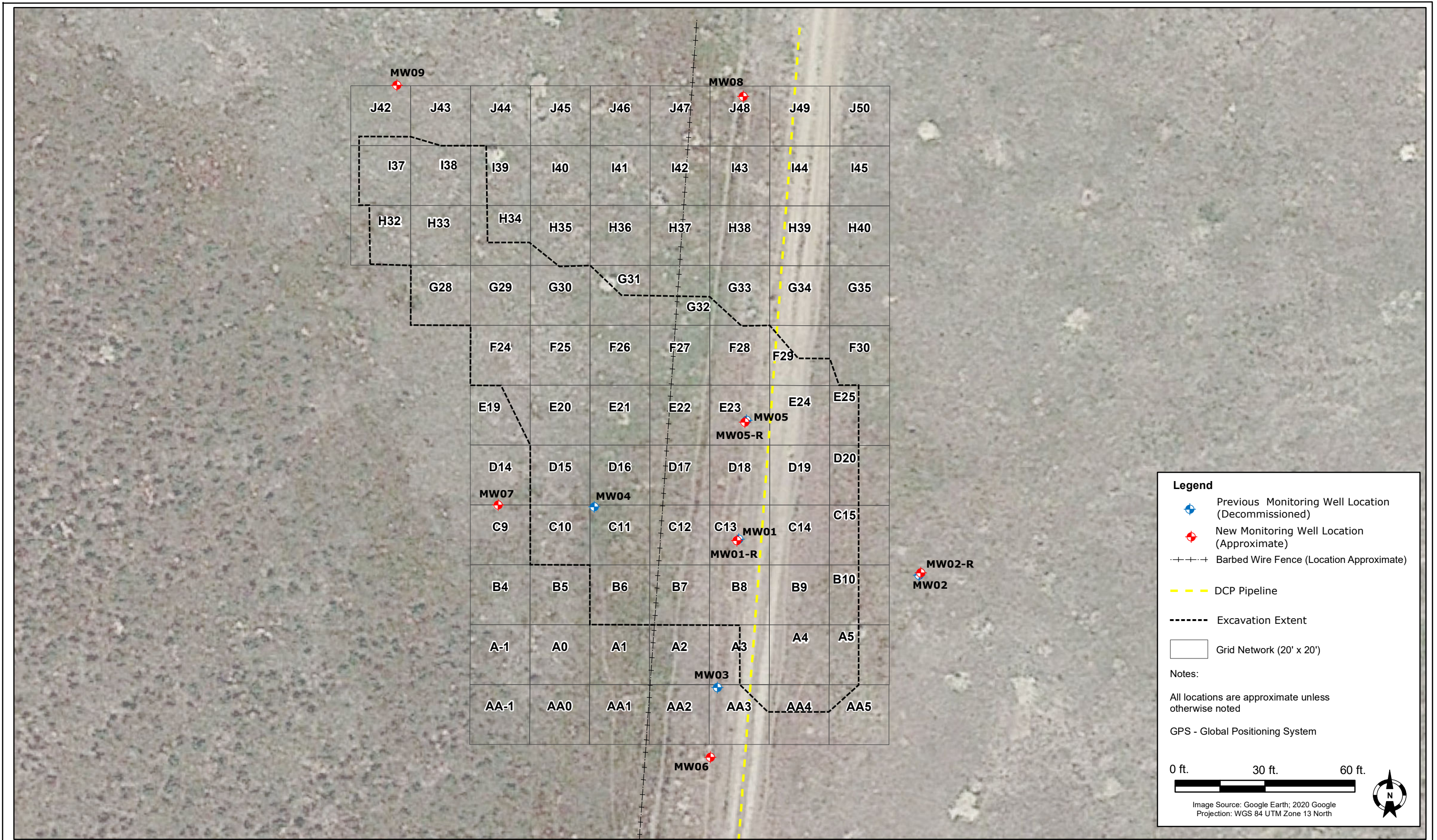


Tasman Geosciences, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

DCP Midstream
Parmlee #1
S1 T3N R62W
Weld, Colorado

Excavation Soil Sample
Location Map

Figure
3



DATE: December 2021

DESIGNED BY:
J. Watts

DRAWN BY:
J. Clonts



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

DCP Midstream
Parmlee #1
S1 T3N R62W
Weld, Colorado

New Monitoring Well
Location Map

Figure
4

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 15, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111176

Enclosed are the results of analyses for samples received by Summit Scientific on 11/10/21 15:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E25N@29'	2111176-01	Soil	11/10/21 08:25	11/10/21 15:08
E25E@29'	2111176-02	Soil	11/10/21 08:33	11/10/21 15:08
D20E@29'	2111176-03	Soil	11/10/21 10:39	11/10/21 15:08
C15E@29'	2111176-04	Soil	11/10/21 11:13	11/10/21 15:08
C15B@33'	2111176-05	Soil	11/10/21 11:26	11/10/21 15:08
B10E@25'	2111176-06	Soil	11/10/21 12:12	11/10/21 15:08
B10B@33'	2111176-07	Soil	11/10/21 12:22	11/10/21 15:08

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.

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

211176

Page 1 of 1

Project Manager: Chandler Cole / Josh Watts

E-Mail: celola@dpw.widof-paw.com; surmeethas@dpw.widof-paw.com

justin@fashion-gro.com; US 6593 @ fashion-gro.com

Project Name: Parry 100 #1

Project Number:

					Preservative				Matrix				Analysis Requested								Special Instructions																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Table 915-1 VOCs	Table 915-1 TPH	Table 915-1 PAHs: 1 & 2-methylnaphthalene																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

S₂

Sample Receipt Checklist

S2 Work Order#

211176

Client: DLP/Tasman Client Project ID: _____Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	15.8
-----------	------

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Suo
Custodian Printed Name or Initials

11/10/21
Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

E25N@29'
2111176-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/10/21 08:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0248	11/10/21	11/10/21	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: **11/10/21 08:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		118 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		124 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/10/21 08:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0249	11/10/21	11/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/10/21 08:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		125 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

E25N@29'
2111176-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/10/21 08:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0251	11/11/21	11/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/10/21 08:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		62.1 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

E25E@29'
2111176-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/10/21 08:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0248	11/10/21	11/10/21	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: **11/10/21 08:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		120 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/10/21 08:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0249	11/10/21	11/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/10/21 08:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		112 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

E25E@29'
2111176-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/10/21 08:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0251	11/11/21	11/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/10/21 08:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		63.6 %	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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

D20E@29'
2111176-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/10/21 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0248	11/10/21	11/10/21	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: **11/10/21 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		127 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.7 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/10/21 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0249	11/10/21	11/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/10/21 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		121 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

D20E@29'
2111176-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/10/21 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0251	11/11/21	11/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/10/21 10:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		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.



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

C15E@29'
2111176-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/10/21 11:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0248	11/10/21	11/10/21	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: **11/10/21 11:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		122 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/10/21 11:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0249	11/10/21	11/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/10/21 11:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

C15E@29'
2111176-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/10/21 11:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0251	11/11/21	11/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/10/21 11:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		70.7 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

C15B@33'
2111176-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/10/21 11:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0248	11/10/21	11/10/21	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: **11/10/21 11:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/10/21 11:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0249	11/10/21	11/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/10/21 11:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		126 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

C15B@33'
2111176-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/10/21 11:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0251	11/11/21	11/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/10/21 11:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		72.9 %	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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

B10E@25'
2111176-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/10/21 12:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0248	11/10/21	11/10/21	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: **11/10/21 12:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/10/21 12:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0249	11/10/21	11/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/10/21 12:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		125 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

B10E@25'
2111176-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/10/21 12:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0251	11/11/21	11/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/10/21 12:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		71.4 %	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.



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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

B10B@33'
2111176-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/10/21 12:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0248	11/10/21	11/11/21	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: **11/10/21 12:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/10/21 12:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0249	11/10/21	11/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/10/21 12:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		128 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

B10B@33'
2111176-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/10/21 12:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0251	11/11/21	11/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/10/21 12:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		78.0 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0248 - EPA 5030 Soil MS

Blank (BEK0248-BLK1)

Prepared: 11/10/21 Analyzed: 11/11/21

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	0.0447		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0491		"	0.0400		123	20-170			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		100	21-167			

LCS (BEK0248-BS1)

Prepared: 11/10/21 Analyzed: 11/11/21

Benzene	0.141	0.0020	mg/kg	0.150		93.8	70-130			
Toluene	0.126	0.0050	"	0.150		83.8	70-130			
Ethylbenzene	0.137	0.0050	"	0.150		91.4	70-130			
m,p-Xylene	0.292	0.010	"	0.300		97.4	70-130			
o-Xylene	0.153	0.0050	"	0.150		102	70-130			
1,2,4-Trimethylbenzene	0.140	0.0050	"	0.150		93.5	70-130			
1,3,5-Trimethylbenzene	0.138	0.0050	"	0.150		91.7	70-130			
Naphthalene	0.157	0.0038	"	0.150		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0371		"	0.0400		92.7	23-173			
Surrogate: Toluene-d8	0.0363		"	0.0400		90.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0412		"	0.0400		103	21-167			

Matrix Spike (BEK0248-MS1)

Source: 2111176-01

Prepared: 11/10/21 Analyzed: 11/11/21

Benzene	0.145	0.0020	mg/kg	0.150	ND	97.0	70-130			
Toluene	0.144	0.0050	"	0.150	ND	96.1	70-130			
Ethylbenzene	0.141	0.0050	"	0.150	ND	93.8	70-130			
m,p-Xylene	0.302	0.010	"	0.300	ND	101	70-130			
o-Xylene	0.156	0.0050	"	0.150	ND	104	70-130			
1,2,4-Trimethylbenzene	0.142	0.0050	"	0.150	ND	94.9	70-130			
1,3,5-Trimethylbenzene	0.141	0.0050	"	0.150	ND	94.3	70-130			
Naphthalene	0.167	0.0038	"	0.150	ND	111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0432		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0422		"	0.0400		105	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0248 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0248-MSD1)	Source: 2111176-01			Prepared: 11/10/21 Analyzed: 11/11/21						
Benzene	0.147	0.0020	mg/kg	0.150	ND	98.1	70-130	1.19	30	
Toluene	0.147	0.0050	"	0.150	ND	98.3	70-130	2.24	30	
Ethylbenzene	0.141	0.0050	"	0.150	ND	94.0	70-130	0.170	30	
m,p-Xylene	0.300	0.010	"	0.300	ND	99.9	70-130	0.639	30	
o-Xylene	0.156	0.0050	"	0.150	ND	104	70-130	0.0769	30	
1,2,4-Trimethylbenzene	0.140	0.0050	"	0.150	ND	93.6	70-130	1.42	30	
1,3,5-Trimethylbenzene	0.140	0.0050	"	0.150	ND	93.2	70-130	1.19	30	
Naphthalene	0.166	0.0038	"	0.150	ND	111	70-130	0.757	30	
Surrogate: 1,2-Dichloroethane-d4	0.0419		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0430		"	0.0400		107	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

Batch BEK0249 - EPA 3550A

Blank (BEK0249-BLK1)

Prepared: 11/10/21 Analyzed: 11/11/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0249-BS1)

Prepared: 11/10/21 Analyzed: 11/11/21

C10-C28 (DRO)	433	50	mg/kg	500	86.6	70-130
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Matrix Spike (BEK0249-MS1)

Source: 2111176-01

Prepared: 11/10/21 Analyzed: 11/11/21

C10-C28 (DRO)	432	50	mg/kg	500	48.5	76.8	70-130
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Matrix Spike Dup (BEK0249-MSD1)

Source: 2111176-01

Prepared: 11/10/21 Analyzed: 11/11/21

C10-C28 (DRO)	414	50	mg/kg	500	48.5	73.1	70-130	4.36	20
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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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0251 - EPA 5030 Soil MS

Blank (BEK0251-BLK1)

Prepared: 11/11/21 Analyzed: 11/14/21

1-Methylnaphthalene	ND	0.00500	mg/kg							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0310		"	0.0333		93.1	40-150			

LCS (BEK0251-BS1)

Prepared: 11/11/21 Analyzed: 11/14/21

1-Methylnaphthalene	0.0343	0.00500	mg/kg	0.0333		103	35-142			
2-Methylnaphthalene	0.0372	0.00500	"	0.0333		112	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0369		"	0.0333		111	40-150			

Matrix Spike (BEK0251-MS1)

Source: 2111176-01

Prepared: 11/11/21 Analyzed: 11/14/21

1-Methylnaphthalene	0.0162	0.00500	mg/kg	0.0333	ND	48.5	15-130			
2-Methylnaphthalene	0.0159	0.00500	"	0.0333	ND	47.8	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0197		"	0.0333		59.0	40-150			

Matrix Spike Dup (BEK0251-MSD1)

Source: 2111176-01

Prepared: 11/11/21 Analyzed: 11/14/21

1-Methylnaphthalene	0.0160	0.00500	mg/kg	0.0333	ND	48.1	15-130	0.683	50	
2-Methylnaphthalene	0.0173	0.00500	"	0.0333	ND	52.0	15-130	8.52	50	
Surrogate: 2-Methylnaphthalene-d10	0.0206		"	0.0333		61.7	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/15/21 15:01

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

November 23, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

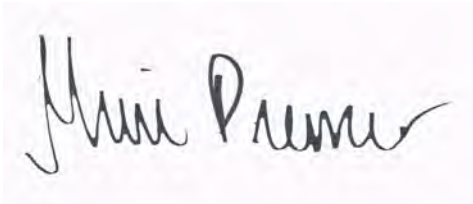
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111241

Enclosed are the results of analyses for samples received by Summit Scientific on 11/12/21 14:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", on a light pink background.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E24B@33'	2111241-01	Soil	11/12/21 10:56	11/12/21 14:00
E25B@33'	2111241-02	Soil	11/12/21 11:20	11/12/21 14:00
D20B@33'	2111241-03	Soil	11/12/21 11:30	11/12/21 14:00

Summit Scientific

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S₂

2111241

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Client: DCP - Tasman

Project Manager:

Chandler Cole / Jeb Watts

Page 1 of 1

Address: 6855 W 119th Ave

E-Mail: cecile@dcpmidstream.com jwatts@tasman-geo.com

City/State/Zip: Broomfield CO 80020

1/screpps@tasman-geo.com

Phone: 303-783-1228

Project Name:

Parmlee #1

Sampler Name: Steve Casalegno

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions	
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	Table 915-1	Table 915-1	Table 915-1	Table 915-1		
1	E24B@33'	11/12/21	10:56	2			X			X					X	X	X	PTH's 1,2 Methylnaphthalene Only
2	E25B@33'		11:20	2			X			X				X	X	X		
3	D20B@33'		11:30	2			X			X				X	X	X		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Relinquished by: <u>[Signature]</u>	Date/Time: <u>11/12/21 14:00</u>	Received by: <u>[Signature]</u>	Date/Time: <u>11/12/21 1400</u>	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: <u>4.5</u> Temperature Upon Receipt: <u>4.5</u> Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	Notes: <u>Direct Bill to DCP</u>
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

S₂

2111241

Sample Receipt Checklist

S2 Work Order# _____

Client: DLP / Tasman Client Project ID: Parmlee #1Shipped Via: ☒ H.D. ☐ P.U. ☐ FedEx/UPS/USPS/Other _____ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	4.5
-----------	-----

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On ice.
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

JB
Custodian Printed Name or Initials

11/12/21
Date/Time



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Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:08

E24B@33'
2111241-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/12/21 10:56**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEK0334	11/15/21	11/17/21	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: **11/12/21 10:56**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		116 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.3 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/12/21 10:56**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0335	11/15/21	11/16/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/12/21 10:56**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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E24B@33'
2111241-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/12/21 10:56**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0407	11/18/21	11/20/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/12/21 10:56**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		76.5 %	40-150		"	"	"	"	

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Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:08

E25B@33'
2111241-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/12/21 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEK0334	11/15/21	11/17/21	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: **11/12/21 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		115 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/12/21 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0335	11/15/21	11/16/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/12/21 11:20**

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

PAH by EPA Method 8270D SIM

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Reported:
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E25B@33'
2111241-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/12/21 11:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0407	11/18/21	11/20/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/12/21 11:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		78.2 %	40-150		"	"	"	"	

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Project Number: [none]
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Reported:
11/23/21 10:08

D20B@33'
2111241-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/12/21 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0334	11/15/21	11/17/21	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: **11/12/21 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		114 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.6 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/12/21 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0335	11/15/21	11/16/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/12/21 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		78.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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D20B@33'
2111241-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/12/21 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0407	11/18/21	11/20/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/12/21 11:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		72.0 %	40-150		"	"	"	"	

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Project Number: [none]
Project Manager: Jeb Watts

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0334 - EPA 5030 Soil MS

Blank (BEK0334-BLK1)

Prepared: 11/15/21 Analyzed: 11/16/21

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	0.0382		"	0.0400		95.6	23-173			
Surrogate: Toluene-d8	0.0444		"	0.0400		111	20-170			
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.6	21-167			

LCS (BEK0334-BS1)

Prepared: 11/15/21 Analyzed: 11/16/21

Benzene	0.0931	0.0020	mg/kg	0.100		93.1	70-130			
Toluene	0.0881	0.0050	"	0.100		88.1	70-130			
Ethylbenzene	0.0751	0.0050	"	0.100		75.1	70-130			
m,p-Xylene	0.154	0.010	"	0.200		76.8	70-130			
o-Xylene	0.0756	0.0050	"	0.100		75.6	70-130			
1,2,4-Trimethylbenzene	0.0731	0.0050	"	0.100		73.1	70-130			
1,3,5-Trimethylbenzene	0.0726	0.0050	"	0.100		72.6	70-130			
Naphthalene	0.0789	0.0038	"	0.100		78.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0367		"	0.0400		91.7	23-173			
Surrogate: Toluene-d8	0.0434		"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

Matrix Spike (BEK0334-MS1)

Source: 2111188-01

Prepared: 11/15/21 Analyzed: 11/16/21

Benzene	0.0840	0.0020	mg/kg	0.100	ND	84.0	70-130			
Toluene	0.0952	0.0050	"	0.100	ND	95.2	70-130			
Ethylbenzene	0.0706	0.0050	"	0.100	ND	70.6	70-130			
m,p-Xylene	0.141	0.010	"	0.200	ND	70.7	70-130			
o-Xylene	0.0720	0.0050	"	0.100	ND	72.0	70-130			
1,2,4-Trimethylbenzene	0.0714	0.0050	"	0.100	ND	71.4	70-130			
1,3,5-Trimethylbenzene	0.0771	0.0050	"	0.100	ND	77.1	70-130			
Naphthalene	0.0843	0.0038	"	0.100	ND	84.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0432		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0439		"	0.0400		110	20-170			
Surrogate: 4-Bromofluorobenzene	0.0441		"	0.0400		110	21-167			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0334 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0334-MSD1)		Source: 2111188-01			Prepared: 11/15/21 Analyzed: 11/16/21					
Benzene	0.0928	0.0020	mg/kg	0.100	ND	92.8	70-130	9.98	30	
Toluene	0.0928	0.0050	"	0.100	ND	92.8	70-130	2.46	30	
Ethylbenzene	0.0742	0.0050	"	0.100	ND	74.2	70-130	5.01	30	
m,p-Xylene	0.149	0.010	"	0.200	ND	74.6	70-130	5.33	30	
o-Xylene	0.0750	0.0050	"	0.100	ND	75.0	70-130	4.04	30	
1,2,4-Trimethylbenzene	0.0739	0.0050	"	0.100	ND	73.9	70-130	3.43	30	
1,3,5-Trimethylbenzene	0.0716	0.0050	"	0.100	ND	71.6	70-130	7.30	30	
Naphthalene	0.0858	0.0038	"	0.100	ND	85.8	70-130	1.83	30	
Surrogate: 1,2-Dichloroethane-d4		0.0388	"	0.0400		97.0	23-173			
Surrogate: Toluene-d8		0.0440	"	0.0400		110	20-170			
Surrogate: 4-Bromofluorobenzene		0.0404	"	0.0400		101	21-167			

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Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:08

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0335 - EPA 3550A

Blank (BEK0335-BLK1)

Prepared: 11/15/21 Analyzed: 11/16/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0335-BS1)

Prepared: 11/15/21 Analyzed: 11/16/21

C10-C28 (DRO)	477	50	mg/kg	500	95.4	70-130
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Matrix Spike (BEK0335-MS1)

Source: 2111188-01

Prepared: 11/15/21 Analyzed: 11/16/21

C10-C28 (DRO)	442	50	mg/kg	500	ND	88.4	70-130
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Matrix Spike Dup (BEK0335-MSD1)

Source: 2111188-01

Prepared: 11/15/21 Analyzed: 11/16/21

C10-C28 (DRO)	428	50	mg/kg	500	ND	85.6	70-130	3.22	20
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6855 W. 119th Ave.
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Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:08

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0407 - EPA 5030 Soil MS

Blank (BEK0407-BLK1)

Prepared: 11/18/21 Analyzed: 11/20/21

1-Methylnaphthalene	ND	0.00500	mg/kg							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0308		"	0.0333		92.4	40-150			

LCS (BEK0407-BS1)

Prepared: 11/18/21 Analyzed: 11/20/21

1-Methylnaphthalene	0.0350	0.00500	mg/kg	0.0333		105	35-142			
2-Methylnaphthalene	0.0312	0.00500	"	0.0333		93.7	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0345		"	0.0333		104	40-150			

Matrix Spike (BEK0407-MS1)

Source: 2111031-01

Prepared: 11/18/21 Analyzed: 11/20/21

1-Methylnaphthalene	0.0219	0.00500	mg/kg	0.0333	ND	65.7	15-130			
2-Methylnaphthalene	0.0218	0.00500	"	0.0333	ND	65.3	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0240		"	0.0333		71.9	40-150			

Matrix Spike Dup (BEK0407-MSD1)

Source: 2111031-01

Prepared: 11/18/21 Analyzed: 11/20/21

1-Methylnaphthalene	0.0222	0.00500	mg/kg	0.0333	ND	66.5	15-130	1.13	50	
2-Methylnaphthalene	0.0220	0.00500	"	0.0333	ND	66.1	15-130	1.22	50	
Surrogate: 2-Methylnaphthalene-d10	0.0245		"	0.0333		73.6	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:08

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

November 23, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

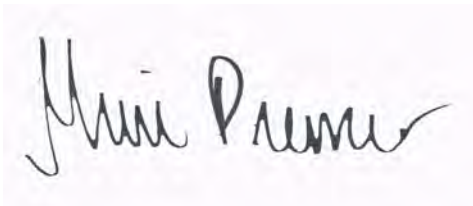
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111273

Enclosed are the results of analyses for samples received by Summit Scientific on 11/15/21 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier". The signature is written in a cursive, flowing style. The first name "Muri" is written with a large, stylized 'M' and the last name "Premier" follows in a similar cursive script. The signature is set against a light pink background.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E23B@33'	2111273-01	Soil	11/15/21 14:00	11/15/21 16:40

Summit Scientific

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Summit Scientific

2111273

741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: DCP/Tasman
Address: 6855 W 119th Ave
City/State/Zip: Broomfield, CO 80020
Phone: 303-487-1228 Fax:
Sampler Name: Brian Gabe

Project Manager: Jeb Watts / chandler cole
E-Mail: jwatts@tasman-seo.com / cecole@dcpmidstream.com / vscruggs@tasman-seo.com
Project Name: Parm/ep#1
Project Number:

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:										Special Instructions																														
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	Table 915-1 VOCs	Table 915-1 TPH	Table 915-1 PAHs																																					
E23B033'	11/15/21	1400	2			X			X				X	X	X									* PAH = 1+2 Methyl naphthalene only																											
Relinquished by: <u>Brian Gabe</u>				Date/Time: <u>11/15/21 1640</u>		Received by: <u>Tasman lockbox</u>				Date/Time: <u>11/15/21 1640</u>		Turn Around Time (Check)										Notes:																													
												Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>																																							
Relinquished by: <u></u>				Date/Time: <u></u>		Received by: <u></u>				Date/Time: <u>11/15/21 1640</u>																																									
Relinquished by: <u></u>				Date/Time: <u></u>		Received in Lab by: <u></u>				Date/Time: <u></u>		Sample Integrity: <u>0.8</u>																																							
												Temperature Upon Receipt: <u></u>																																							
												Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																							

2111273

Sample Receipt Checklist

S2 Work Order _____

Client: DCP/TASMAN Client Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) 0.8

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

Custodian Printed Name or Initials

Signature of Custodian

11.15.21
Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

E23B@33'
2111273-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/15/21 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0377	11/17/21	11/18/21	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: **11/15/21 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/15/21 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0378	11/17/21	11/19/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/15/21 14:00**

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

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

E23B@33'
2111273-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/15/21 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0406	11/18/21	11/21/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/15/21 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		72.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		78.2 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0377 - EPA 5030 Soil MS

Blank (BEK0377-BLK1)

Prepared: 11/17/21 Analyzed: 11/18/21

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	0.0370		"	0.0400		92.5	23-173			
Surrogate: Toluene-d8	0.0420		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0417		"	0.0400		104	21-167			

LCS (BEK0377-BS1)

Prepared: 11/17/21 Analyzed: 11/18/21

Benzene	0.121	0.0020	mg/kg	0.100		121	70-130			
Toluene	0.117	0.0050	"	0.100		117	70-130			
Ethylbenzene	0.0974	0.0050	"	0.100		97.4	70-130			
m,p-Xylene	0.181	0.010	"	0.200		90.5	70-130			
o-Xylene	0.0922	0.0050	"	0.100		92.2	70-130			
1,2,4-Trimethylbenzene	0.0888	0.0050	"	0.100		88.8	70-130			
1,3,5-Trimethylbenzene	0.0852	0.0050	"	0.100		85.2	70-130			
Naphthalene	0.0703	0.0038	"	0.100		70.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0370		"	0.0400		92.6	23-173			
Surrogate: Toluene-d8	0.0426		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0412		"	0.0400		103	21-167			

Matrix Spike (BEK0377-MS1)

Source: 2111227-01

Prepared: 11/17/21 Analyzed: 11/18/21

Benzene	0.0966	0.0020	mg/kg	0.100	ND	96.6	70-130			
Toluene	0.0888	0.0050	"	0.100	ND	88.8	70-130			
Ethylbenzene	0.105	0.0050	"	0.100	ND	105	70-130			
m,p-Xylene	0.180	0.010	"	0.200	ND	89.9	70-130			
o-Xylene	0.0966	0.0050	"	0.100	ND	96.6	70-130			
1,2,4-Trimethylbenzene	0.0880	0.0050	"	0.100	ND	88.0	70-130			
1,3,5-Trimethylbenzene	0.0960	0.0050	"	0.100	0.00861	87.4	70-130			
Naphthalene	0.108	0.0038	"	0.100	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0380		"	0.0400		95.1	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0706		"	0.0400		176	21-167			

S-02

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0377 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0377-MSD1)	Source: 2111227-01			Prepared: 11/17/21 Analyzed: 11/18/21						
Benzene	0.0736	0.0020	mg/kg	0.100	ND	73.6	70-130	27.0	30	
Toluene	0.0978	0.0050	"	0.100	ND	97.8	70-130	9.65	30	
Ethylbenzene	0.108	0.0050	"	0.100	ND	108	70-130	3.22	30	
m,p-Xylene	0.167	0.010	"	0.200	ND	83.3	70-130	7.59	30	
o-Xylene	0.0746	0.0050	"	0.100	ND	74.6	70-130	25.7	30	
1,2,4-Trimethylbenzene	0.0943	0.0050	"	0.100	ND	94.3	70-130	6.84	30	
1,3,5-Trimethylbenzene	0.107	0.0050	"	0.100	0.00861	98.2	70-130	10.7	30	
Naphthalene	0.102	0.0038	"	0.100	ND	102	70-130	4.94	30	
Surrogate: 1,2-Dichloroethane-d4	0.0380		"	0.0400		95.0	23-173			
Surrogate: Toluene-d8	0.0418		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0570		"	0.0400		143	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0378 - EPA 3550A

Blank (BEK0378-BLK1)

Prepared: 11/17/21 Analyzed: 11/19/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0378-BS1)

Prepared: 11/17/21 Analyzed: 11/19/21

C10-C28 (DRO)	488	50	mg/kg	500	97.5	70-130
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Matrix Spike (BEK0378-MS1)

Source: 2111227-01

Prepared: 11/17/21 Analyzed: 11/19/21

C10-C28 (DRO)	461	50	mg/kg	500	42.0	83.8	70-130
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Matrix Spike Dup (BEK0378-MSD1)

Source: 2111227-01

Prepared: 11/17/21 Analyzed: 11/19/21

C10-C28 (DRO)	430	50	mg/kg	500	42.0	77.6	70-130	7.01	20
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Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0406 - EPA 5030 Soil MS

Blank (BEK0406-BLK1)

Prepared: 11/18/21 Analyzed: 11/21/21

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	0.0310		"	0.0333		93.1	40-150			
Surrogate: Fluoranthene-d10	0.0300		"	0.0333		90.1	40-150			

LCS (BEK0406-BS1)

Prepared: 11/18/21 Analyzed: 11/21/21

Acenaphthene	0.0312	0.00500	mg/kg	0.0333		93.5	31-137			
Anthracene	0.0326	0.00500	"	0.0333		97.9	30-120			
Benzo (a) anthracene	0.0306	0.00500	"	0.0333		91.8	30-120			
Benzo (a) pyrene	0.0329	0.00500	"	0.0333		98.6	30-120			
Benzo (b) fluoranthene	0.0400	0.00500	"	0.0333		120	30-120			
Benzo (k) fluoranthene	0.0272	0.00500	"	0.0333		81.6	30-120			
Chrysene	0.0295	0.00500	"	0.0333		88.4	30-120			
Dibenz (a,h) anthracene	0.0218	0.00500	"	0.0333		65.4	30-120			
Fluoranthene	0.0352	0.00500	"	0.0333		106	30-120			
Fluorene	0.0340	0.00500	"	0.0333		102	30-120			
Indeno (1,2,3-cd) pyrene	0.0207	0.00500	"	0.0333		62.2	30-120			
Pyrene	0.0335	0.00500	"	0.0333		100	35-142			
1-Methylnaphthalene	0.0300	0.00500	"	0.0333		90.0	35-142			
2-Methylnaphthalene	0.0268	0.00500	"	0.0333		80.4	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0283		"	0.0333		85.0	40-150			
Surrogate: Fluoranthene-d10	0.0348		"	0.0333		104	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0406 - EPA 5030 Soil MS

Matrix Spike (BEK0406-MS1)

Source: 2111252-01

Prepared: 11/18/21 Analyzed: 11/21/21

Acenaphthene	0.0284	0.00500	mg/kg	0.0333	ND	85.2	31-137		
Anthracene	0.0296	0.00500	"	0.0333	ND	88.7	30-120		
Benzo (a) anthracene	0.0308	0.00500	"	0.0333	ND	92.5	30-120		
Benzo (a) pyrene	0.0314	0.00500	"	0.0333	ND	94.3	30-120		
Benzo (b) fluoranthene	0.0362	0.00500	"	0.0333	ND	109	30-120		
Benzo (k) fluoranthene	0.0382	0.00500	"	0.0333	ND	115	30-120		
Chrysene	0.0276	0.00500	"	0.0333	ND	82.9	30-120		
Dibenz (a,h) anthracene	0.0195	0.00500	"	0.0333	ND	58.5	30-120		
Fluoranthene	0.0325	0.00500	"	0.0333	ND	97.6	30-120		
Fluorene	0.0316	0.00500	"	0.0333	ND	94.8	30-120		
Indeno (1,2,3-cd) pyrene	0.0232	0.00500	"	0.0333	ND	69.7	30-120		
Pyrene	0.0335	0.00500	"	0.0333	ND	100	35-142		
1-Methylnaphthalene	0.0276	0.00500	"	0.0333	ND	82.9	15-130		
2-Methylnaphthalene	0.0270	0.00500	"	0.0333	ND	81.1	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0285		"	0.0333		85.5	40-150		
Surrogate: Fluoranthene-d10	0.0315		"	0.0333		94.4	40-150		

Matrix Spike Dup (BEK0406-MSD1)

Source: 2111252-01

Prepared: 11/18/21 Analyzed: 11/21/21

Acenaphthene	0.0235	0.00500	mg/kg	0.0333	ND	70.5	31-137	18.8	30
Anthracene	0.0249	0.00500	"	0.0333	ND	74.7	30-120	17.2	30
Benzo (a) anthracene	0.0247	0.00500	"	0.0333	ND	74.1	30-120	22.1	30
Benzo (a) pyrene	0.0261	0.00500	"	0.0333	ND	78.2	30-120	18.6	30
Benzo (b) fluoranthene	0.0317	0.00500	"	0.0333	ND	95.2	30-120	13.1	30
Benzo (k) fluoranthene	0.0338	0.00500	"	0.0333	ND	101	30-120	12.1	30
Chrysene	0.0224	0.00500	"	0.0333	ND	67.1	30-120	21.0	30
Dibenz (a,h) anthracene	0.0153	0.00500	"	0.0333	ND	45.8	30-120	24.4	30
Fluoranthene	0.0286	0.00500	"	0.0333	ND	85.8	30-120	13.0	30
Fluorene	0.0262	0.00500	"	0.0333	ND	78.6	30-120	18.7	30
Indeno (1,2,3-cd) pyrene	0.0212	0.00500	"	0.0333	ND	63.7	30-120	9.11	30
Pyrene	0.0280	0.00500	"	0.0333	ND	84.1	35-142	17.8	30
1-Methylnaphthalene	0.0248	0.00500	"	0.0333	ND	74.5	15-130	10.6	50
2-Methylnaphthalene	0.0238	0.00500	"	0.0333	ND	71.3	15-130	12.8	50
Surrogate: 2-Methylnaphthalene-d10	0.0266		"	0.0333		79.8	40-150		
Surrogate: Fluoranthene-d10	0.0287		"	0.0333		86.0	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/23/21 10:21

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.
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

November 24, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

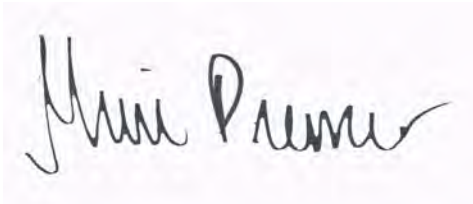
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111298

Enclosed are the results of analyses for samples received by Summit Scientific on 11/16/21 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", on a light pink background.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E22B@33'	2111298-01	Soil	11/16/21 14:25	11/16/21 16:50

Summit Scientific

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Summit Scientific

2111298

741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: DCP/Tasman
Address: 6855 W 119th Ave
City/State/Zip: Broomfield, CO 80020
Phone: 303-487-1228 Fax:
Sampler Name: Brian Gabel

Project Manager: Job Watts / Chandler Cole
E-Mail: jwatts@tasman-seo.com / cccole@dcpmidstream.com / vscruggs@tasman-seo.com
Project Name: Pgrm/ee #1
Project Number:

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix		Analyze For:										Special Instructions			
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	Table 915-1 VOCs	Table 915-1 TPH	Table 915-1 PAHs	1,2 Methylenechloride								
E22B@33'	11/16/21	1425	2			X			X				X	X	X								PAHs = 1,2 Methylenechloride only

Relinquished by:	Date/Time:	Received by:	Date/Time:	Turn Around Time (Check)	Notes:
<u>Ali Lall</u>	11/16/21 1650	<u>Tasman Lockbox</u>	11/16/21 1650	Same Day <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/>	Direct Bill to DCP Sample Integrity: Temperature Upon Receipt: <u>4.4</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Relinquished by:	Date/Time:	Received by:	Date/Time:		
		<u>[Signature]</u>	11/16/21 1650		
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:		

S₂

2111298

Sample Receipt Checklist

S2 Work Order# _____

Client: DCP/TasmanClient Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other: _____

(Describe)

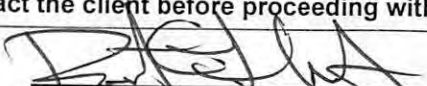
Temp (°C)

4.4

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

 11.16.21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

E22B@33'
2111298-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEK0446	11/19/21	11/20/21	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: **11/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0447	11/19/21	11/20/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		91.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

E22B@33'
2111298-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/16/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0433	11/19/21	11/22/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/16/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		66.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		69.0 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0446 - EPA 5030 Soil MS

Blank (BEK0446-BLK1)

Prepared: 11/19/21 Analyzed: 11/20/21

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	0.0406		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400		100	21-167			

LCS (BEK0446-BS1)

Prepared: 11/19/21 Analyzed: 11/20/21

Benzene	0.102	0.0020	mg/kg	0.100		102	70-130			
Toluene	0.0973	0.0050	"	0.100		97.3	70-130			
Ethylbenzene	0.0883	0.0050	"	0.100		88.3	70-130			
m,p-Xylene	0.170	0.010	"	0.200		85.2	70-130			
o-Xylene	0.0890	0.0050	"	0.100		89.0	70-130			
1,2,4-Trimethylbenzene	0.0844	0.0050	"	0.100		84.4	70-130			
1,3,5-Trimethylbenzene	0.0813	0.0050	"	0.100		81.3	70-130			
Naphthalene	0.0797	0.0038	"	0.100		79.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0392		"	0.0400		97.9	23-173			
Surrogate: Toluene-d8	0.0407		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		98.9	21-167			

Matrix Spike (BEK0446-MS1)

Source: 2111292-01

Prepared: 11/19/21 Analyzed: 11/20/21

Benzene	0.0948	0.0020	mg/kg	0.100	ND	94.8	70-130			
Toluene	0.0914	0.0050	"	0.100	ND	91.4	70-130			
Ethylbenzene	0.0784	0.0050	"	0.100	ND	78.4	70-130			
m,p-Xylene	0.147	0.010	"	0.200	ND	73.7	70-130			
o-Xylene	0.0763	0.0050	"	0.100	ND	76.3	70-130			
1,2,4-Trimethylbenzene	0.0948	0.0050	"	0.100	ND	94.8	70-130			
1,3,5-Trimethylbenzene	0.0990	0.0050	"	0.100	ND	99.0	70-130			
Naphthalene	0.110	0.0038	"	0.100	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0417		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0415		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400		101	21-167			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0446 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0446-MSD1)		Source: 2111292-01			Prepared: 11/19/21 Analyzed: 11/20/21					
Benzene	0.0979	0.0020	mg/kg	0.100	ND	97.9	70-130	3.24	30	
Toluene	0.0936	0.0050	"	0.100	ND	93.6	70-130	2.34	30	
Ethylbenzene	0.0798	0.0050	"	0.100	ND	79.8	70-130	1.75	30	
m,p-Xylene	0.151	0.010	"	0.200	ND	75.5	70-130	2.39	30	
o-Xylene	0.0784	0.0050	"	0.100	ND	78.4	70-130	2.72	30	
1,2,4-Trimethylbenzene	0.0955	0.0050	"	0.100	ND	95.5	70-130	0.757	30	
1,3,5-Trimethylbenzene	0.100	0.0050	"	0.100	ND	100	70-130	1.44	30	
Naphthalene	0.106	0.0038	"	0.100	ND	106	70-130	3.89	30	
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	0.0416		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0419		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0400		100	21-167			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0447 - EPA 3550A

Blank (BEK0447-BLK1)

Prepared: 11/19/21 Analyzed: 11/20/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0447-BS1)

Prepared: 11/19/21 Analyzed: 11/20/21

C10-C28 (DRO)	409	50	mg/kg	500	81.7	70-130
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Matrix Spike (BEK0447-MS1)

Source: 2111292-01

Prepared: 11/19/21 Analyzed: 11/20/21

C10-C28 (DRO)	466	50	mg/kg	500	12.8	90.6	70-130
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Matrix Spike Dup (BEK0447-MSD1)

Source: 2111292-01

Prepared: 11/19/21 Analyzed: 11/20/21

C10-C28 (DRO)	441	50	mg/kg	500	12.8	85.6	70-130	5.51	20
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Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result		%REC	Limits	RPD	Limit

Batch BEK0433 - EPA 5030 Soil MS

Blank (BEK0433-BLK1)

Prepared: 11/19/21 Analyzed: 11/22/21

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	0.0318		"	0.0333		95.4		40-150			
Surrogate: Fluoranthene-d10	0.0298		"	0.0333		89.5		40-150			

LCS (BEK0433-BS1)

Prepared: 11/19/21 Analyzed: 11/22/21

Acenaphthene	0.0298	0.00500	mg/kg	0.0333		89.4		31-137			
Anthracene	0.0310	0.00500	"	0.0333		92.9		30-120			
Benzo (a) anthracene	0.0283	0.00500	"	0.0333		84.8		30-120			
Benzo (a) pyrene	0.0292	0.00500	"	0.0333		87.6		30-120			
Benzo (b) fluoranthene	0.0308	0.00500	"	0.0333		92.5		30-120			
Benzo (k) fluoranthene	0.0372	0.00500	"	0.0333		112		30-120			
Chrysene	0.0293	0.00500	"	0.0333		87.9		30-120			
Dibenz (a,h) anthracene	0.0240	0.00500	"	0.0333		72.1		30-120			
Fluoranthene	0.0281	0.00500	"	0.0333		84.3		30-120			
Fluorene	0.0314	0.00500	"	0.0333		94.3		30-120			
Indeno (1,2,3-cd) pyrene	0.0301	0.00500	"	0.0333		90.2		30-120			
Pyrene	0.0326	0.00500	"	0.0333		97.7		35-142			
1-Methylnaphthalene	0.0281	0.00500	"	0.0333		84.4		35-142			
2-Methylnaphthalene	0.0292	0.00500	"	0.0333		87.5		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0316		"	0.0333		94.9		40-150			
Surrogate: Fluoranthene-d10	0.0319		"	0.0333		95.7		40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0433 - EPA 5030 Soil MS

Matrix Spike (BEK0433-MS1)

Source: 2111293-01

Prepared: 11/19/21 Analyzed: 11/22/21

Acenaphthene	0.0214	0.00500	mg/kg	0.0333	ND	64.2	31-137		
Anthracene	0.0213	0.00500	"	0.0333	ND	63.9	30-120		
Benzo (a) anthracene	0.0211	0.00500	"	0.0333	ND	63.2	30-120		
Benzo (a) pyrene	0.0200	0.00500	"	0.0333	ND	60.1	30-120		
Benzo (b) fluoranthene	0.0209	0.00500	"	0.0333	ND	62.7	30-120		
Benzo (k) fluoranthene	0.0238	0.00500	"	0.0333	ND	71.3	30-120		
Chrysene	0.0212	0.00500	"	0.0333	ND	63.6	30-120		
Dibenz (a,h) anthracene	0.0172	0.00500	"	0.0333	ND	51.5	30-120		
Fluoranthene	0.0225	0.00500	"	0.0333	ND	67.6	30-120		
Fluorene	0.0228	0.00500	"	0.0333	ND	68.5	30-120		
Indeno (1,2,3-cd) pyrene	0.0215	0.00500	"	0.0333	ND	64.4	30-120		
Pyrene	0.0224	0.00500	"	0.0333	ND	67.3	35-142		
1-Methylnaphthalene	0.0214	0.00500	"	0.0333	ND	64.1	15-130		
2-Methylnaphthalene	0.0232	0.00500	"	0.0333	ND	69.5	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0237		"	0.0333		71.1	40-150		
Surrogate: Fluoranthene-d10	0.0251		"	0.0333		75.2	40-150		

Matrix Spike Dup (BEK0433-MSD1)

Source: 2111293-01

Prepared: 11/19/21 Analyzed: 11/22/21

Acenaphthene	0.0226	0.00500	mg/kg	0.0333	ND	67.7	31-137	5.31	30
Anthracene	0.0237	0.00500	"	0.0333	ND	71.0	30-120	10.5	30
Benzo (a) anthracene	0.0226	0.00500	"	0.0333	ND	67.7	30-120	6.82	30
Benzo (a) pyrene	0.0223	0.00500	"	0.0333	ND	67.0	30-120	10.9	30
Benzo (b) fluoranthene	0.0224	0.00500	"	0.0333	ND	67.1	30-120	6.67	30
Benzo (k) fluoranthene	0.0248	0.00500	"	0.0333	ND	74.4	30-120	4.24	30
Chrysene	0.0228	0.00500	"	0.0333	ND	68.3	30-120	7.19	30
Dibenz (a,h) anthracene	0.0185	0.00500	"	0.0333	ND	55.5	30-120	7.45	30
Fluoranthene	0.0239	0.00500	"	0.0333	ND	71.7	30-120	5.84	30
Fluorene	0.0243	0.00500	"	0.0333	ND	72.8	30-120	6.11	30
Indeno (1,2,3-cd) pyrene	0.0248	0.00500	"	0.0333	ND	74.5	30-120	14.6	30
Pyrene	0.0236	0.00500	"	0.0333	ND	70.8	35-142	5.15	30
1-Methylnaphthalene	0.0225	0.00500	"	0.0333	ND	67.5	15-130	5.16	50
2-Methylnaphthalene	0.0235	0.00500	"	0.0333	ND	70.6	15-130	1.47	50
Surrogate: 2-Methylnaphthalene-d10	0.0262		"	0.0333		78.5	40-150		
Surrogate: Fluoranthene-d10	0.0273		"	0.0333		82.0	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
11/24/21 13:49

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

December 01, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111372

Enclosed are the results of analyses for samples received by Summit Scientific on 11/19/21 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]

Project Manager: Jeb Watts

Reported:
12/01/21 18:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E21B@33'	2111372-01	Soil	11/18/21 10:07	11/19/21 08:00
E20B@33'	2111372-02	Soil	11/18/21 12:17	11/19/21 08:00

Summit Scientific

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Summit Scientific

S₂

2111372

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: DCP/Tasman

Project Manager: CHANDLER COLE / JEB WATTS

Address: 6555 W. 119th Ave

E-Mail: VSC@S2SCIENTIFIC.COM; jwatts@tasman-gold.com

City/State/Zip: Broomfield CO 80020

SWW@S2SCIENTIFIC.COM; CP@S2SCIENTIFIC.COM

Phone: 703-487-1228

Project Name: Family #1

Sampler Name: VADG SCRUBS

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Table 915-1 VOLs	Table 915-1 TPH	Table 915-1 1+2 only by duplicate							
1	E21B @ 33'	10/18/21	1007	2			X			X				X	X	X						
2	E20B @ 33'	11/18/21	1217	2			X			X				X	X	X						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Relinquished by: VSC	Date/Time: 11/19/21 0800	Received by:	Date/Time:	Turn Around Time (Check) Same Day _____ 72 hours _____ 24 hours _____ Standard <input checked="" type="checkbox"/> 48 hours _____	Notes: Direct bill DCP
Relinquished by:	Date/Time:	Received by: J. H. AL	Date/Time: 11/19/21 8:00	Sample Integrity: Temperature Upon Receipt: 10.9	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

S₂

Sample Receipt Checklist

S2 Work Order# _____

2111372

Client: DLP / Tasman Client Project ID: Pankee #1Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) 10.9

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
<p>⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.</p>				

Dmo
Custodian Printed Name or Initials11/19/21
Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

E21B@33'
2111372-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/18/21 10:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEK0511	11/23/21	11/24/21	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: **11/18/21 10:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/18/21 10:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0512	11/23/21	11/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/18/21 10:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		99.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

E21B@33'
2111372-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/18/21 10:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0588	11/30/21	12/01/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/18/21 10:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		86.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		83.2 %	40-150		"	"	"	"	

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

E20B@33'
2111372-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/18/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0511	11/23/21	11/24/21	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: **11/18/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/18/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0512	11/23/21	11/24/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/18/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		95.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

E20B@33'
2111372-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/18/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0588	11/30/21	12/01/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/18/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		86.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		78.6 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0511 - EPA 5030 Soil MS

Blank (BEK0511-BLK1)

Prepared: 11/23/21 Analyzed: 11/24/21

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	0.0469		"	0.0400		117	23-173			
Surrogate: Toluene-d8	0.0432		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0433		"	0.0400		108	21-167			

LCS (BEK0511-BS1)

Prepared: 11/23/21 Analyzed: 11/24/21

Benzene	0.152	0.0020	mg/kg	0.125		122	70-130			
Toluene	0.155	0.0050	"	0.125		124	70-130			
Ethylbenzene	0.154	0.0050	"	0.125		123	70-130			
m,p-Xylene	0.316	0.010	"	0.250		126	70-130			
o-Xylene	0.156	0.0050	"	0.125		125	70-130			
1,2,4-Trimethylbenzene	0.153	0.0050	"	0.125		123	70-130			
1,3,5-Trimethylbenzene	0.152	0.0050	"	0.125		122	70-130			
Naphthalene	0.137	0.0038	"	0.125		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0364		"	0.0400		91.1	23-173			
Surrogate: Toluene-d8	0.0414		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.4	21-167			

Matrix Spike (BEK0511-MS1)

Source: 2111339-01

Prepared: 11/23/21 Analyzed: 11/24/21

Benzene	0.137	0.0020	mg/kg	0.125	ND	110	70-130			
Toluene	0.154	0.0050	"	0.125	ND	123	70-130			
Ethylbenzene	0.134	0.0050	"	0.125	ND	107	70-130			
m,p-Xylene	0.284	0.010	"	0.250	ND	114	70-130			
o-Xylene	0.137	0.0050	"	0.125	ND	110	70-130			
1,2,4-Trimethylbenzene	0.139	0.0050	"	0.125	ND	111	70-130			
1,3,5-Trimethylbenzene	0.134	0.0050	"	0.125	ND	107	70-130			
Naphthalene	0.147	0.0038	"	0.125	ND	118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0367		"	0.0400		91.7	23-173			
Surrogate: Toluene-d8	0.0414		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		102	21-167			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0511 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0511-MSD1)	Source: 2111339-01			Prepared: 11/23/21 Analyzed: 11/24/21						
Benzene	0.140	0.0020	mg/kg	0.125	ND	112	70-130	2.30	30	
Toluene	0.130	0.0050	"	0.125	ND	104	70-130	17.2	30	
Ethylbenzene	0.144	0.0050	"	0.125	ND	115	70-130	7.15	30	
m,p-Xylene	0.274	0.010	"	0.250	ND	110	70-130	3.63	30	
o-Xylene	0.148	0.0050	"	0.125	ND	118	70-130	7.28	30	
1,2,4-Trimethylbenzene	0.146	0.0050	"	0.125	ND	117	70-130	5.17	30	
1,3,5-Trimethylbenzene	0.140	0.0050	"	0.125	ND	112	70-130	4.55	30	
Naphthalene	0.150	0.0038	"	0.125	ND	120	70-130	2.08	30	
Surrogate: 1,2-Dichloroethane-d4	0.0363		"	0.0400		90.8	23-173			
Surrogate: Toluene-d8	0.0414		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400		100	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting			Spike	Source	%REC		RPD	
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0512 - EPA 3550A

Blank (BEK0512-BLK1)

Prepared: 11/23/21 Analyzed: 11/24/21

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								

LCS (BEK0512-BS1)

Prepared: 11/23/21 Analyzed: 11/24/21

C10-C28 (DRO)	474	50	mg/kg	500		94.8	70-130				
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Matrix Spike (BEK0512-MS1)

Source: 2111339-01

Prepared: 11/23/21 Analyzed: 11/24/21

C10-C28 (DRO)	416	50	mg/kg	500	15.3	80.1	70-130				
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Matrix Spike Dup (BEK0512-MSD1)

Source: 2111339-01

Prepared: 11/23/21 Analyzed: 11/24/21

C10-C28 (DRO)	452	50	mg/kg	500	15.3	87.3	70-130	8.36	20		
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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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0588 - EPA 5030 Soil MS

Blank (BEK0588-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

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	0.0339		"	0.0333		102	40-150			
Surrogate: Fluoranthene-d10	0.0316		"	0.0333		94.9	40-150			

LCS (BEK0588-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0283	0.00500	mg/kg	0.0333	84.8	31-137
Anthracene	0.0279	0.00500	"	0.0333	83.8	30-120
Benzo (a) anthracene	0.0261	0.00500	"	0.0333	78.3	30-120
Benzo (a) pyrene	0.0276	0.00500	"	0.0333	82.7	30-120
Benzo (b) fluoranthene	0.0283	0.00500	"	0.0333	84.8	30-120
Benzo (k) fluoranthene	0.0296	0.00500	"	0.0333	88.9	30-120
Chrysene	0.0265	0.00500	"	0.0333	79.5	30-120
Dibenz (a,h) anthracene	0.0291	0.00500	"	0.0333	87.3	30-120
Fluoranthene	0.0281	0.00500	"	0.0333	84.3	30-120
Fluorene	0.0289	0.00500	"	0.0333	86.6	30-120
Indeno (1,2,3-cd) pyrene	0.0266	0.00500	"	0.0333	79.9	30-120
Pyrene	0.0273	0.00500	"	0.0333	81.9	35-142
1-Methylnaphthalene	0.0284	0.00500	"	0.0333	85.2	35-142
2-Methylnaphthalene	0.0293	0.00500	"	0.0333	87.9	35-142
Surrogate: 2-Methylnaphthalene-d10	0.0275		"	0.0333	82.4	40-150
Surrogate: Fluoranthene-d10	0.0295		"	0.0333	88.6	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0588 - EPA 5030 Soil MS

Matrix Spike (BEK0588-MS1)

Source: 2111280-04

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0878	0.00500	mg/kg	0.0333	0.101	NR	31-137			QM-07
Anthracene	0.0597	0.00500	"	0.0333	0.0620	NR	30-120			QM-07
Benzo (a) anthracene	0.0391	0.00500	"	0.0333	0.0356	10.5	30-120			QM-07
Benzo (a) pyrene	0.0323	0.00500	"	0.0333	0.0175	44.4	30-120			
Benzo (b) fluoranthene	0.0355	0.00500	"	0.0333	0.0247	32.4	30-120			
Benzo (k) fluoranthene	0.0323	0.00500	"	0.0333	ND	96.9	30-120			
Chrysene	0.0466	0.00500	"	0.0333	0.0436	8.79	30-120			QM-07
Dibenz (a,h) anthracene	0.0146	0.00500	"	0.0333	ND	43.8	30-120			
Fluoranthene	0.0587	0.00500	"	0.0333	0.0741	NR	30-120			QM-07
Fluorene	0.0648	0.00500	"	0.0333	0.0689	NR	30-120			QM-07
Indeno (1,2,3-cd) pyrene	0.0150	0.00500	"	0.0333	0.00388	33.3	30-120			
Pyrene	0.113	0.00500	"	0.0333	0.171	NR	35-142			QM-07
1-Methylnaphthalene	2.20	0.00500	"	0.0333	2.61	NR	15-130			QM-07
2-Methylnaphthalene	3.39	0.00500	"	0.0333	6.52	NR	15-130			QM-07
Surrogate: 2-Methylnaphthalene-d10	0.0361		"	0.0333		108	40-150			
Surrogate: Fluoranthene-d10	0.0233		"	0.0333		70.0	40-150			

Matrix Spike Dup (BEK0588-MSD1)

Source: 2111280-04

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0634	0.00500	mg/kg	0.0333	0.101	NR	31-137	32.3	30	QM-07
Anthracene	0.0596	0.00500	"	0.0333	0.0620	NR	30-120	0.0956	30	QM-07
Benzo (a) anthracene	0.0442	0.00500	"	0.0333	0.0356	26.1	30-120	12.5	30	QM-07
Benzo (a) pyrene	0.0329	0.00500	"	0.0333	0.0175	46.2	30-120	1.84	30	
Benzo (b) fluoranthene	0.0365	0.00500	"	0.0333	0.0247	35.5	30-120	2.84	30	
Benzo (k) fluoranthene	0.0289	0.00500	"	0.0333	ND	86.6	30-120	11.1	30	
Chrysene	0.0495	0.00500	"	0.0333	0.0436	17.7	30-120	6.17	30	QM-07
Dibenz (a,h) anthracene	0.0140	0.00500	"	0.0333	ND	42.1	30-120	3.96	30	
Fluoranthene	0.0683	0.00500	"	0.0333	0.0741	NR	30-120	15.0	30	QM-07
Fluorene	0.0755	0.00500	"	0.0333	0.0689	19.6	30-120	15.3	30	QM-07
Indeno (1,2,3-cd) pyrene	0.0156	0.00500	"	0.0333	0.00388	35.1	30-120	4.08	30	
Pyrene	0.114	0.00500	"	0.0333	0.171	NR	35-142	0.940	30	QM-07
1-Methylnaphthalene	2.00	0.00500	"	0.0333	2.61	NR	15-130	9.32	50	QM-07
2-Methylnaphthalene	3.07	0.00500	"	0.0333	6.52	NR	15-130	9.72	50	QM-07
Surrogate: 2-Methylnaphthalene-d10	0.0314		"	0.0333		94.2	40-150			
Surrogate: Fluoranthene-d10	0.0227		"	0.0333		68.2	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:14

Notes and Definitions

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.
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

December 01, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111377

Enclosed are the results of analyses for samples received by Summit Scientific on 11/19/21 16:36. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D19B@33'	2111377-01	Soil	11/19/21 11:32	11/19/21 16:36
D18B@33'	2111377-02	Soil	11/19/21 13:21	11/19/21 16:36

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.

2111377

303-277-9310 ♦ 303-374-5933 Fax

Page i of 1

Sampler Name: Jackson Millesovich

Project Number:

[illegible]

S₂

2111377

Sample Receipt Checklist

S2 Work Order# _____

Client: DCP/Tasman Client Project ID: Parmke #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)


Temp (°C)

4.2

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on ICE</u>
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

11/19/21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

D19B@33'
2111377-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/19/21 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEK0574	11/29/21	11/30/21	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: **11/19/21 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		99.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/19/21 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0578	11/29/21	11/30/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/19/21 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		95.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

D19B@33'
2111377-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/19/21 11:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0561	11/29/21	12/01/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/19/21 11:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		80.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		74.5 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

D18B@33'
2111377-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/19/21 13:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0574	11/29/21	11/30/21	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: **11/19/21 13:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/19/21 13:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0578	11/29/21	11/30/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/19/21 13:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		91.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

D18B@33'
2111377-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/19/21 13:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0561	11/29/21	12/01/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/19/21 13:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		86.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		70.6 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0574 - EPA 5030 Soil MS

Blank (BEK0574-BLK1)

Prepared: 11/29/21 Analyzed: 11/30/21

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	0.0411		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	21-167			

LCS (BEK0574-BS1)

Prepared: 11/29/21 Analyzed: 11/30/21

Benzene	0.103	0.0020	mg/kg	0.100		103	70-130			
Toluene	0.0973	0.0050	"	0.100		97.3	70-130			
Ethylbenzene	0.0966	0.0050	"	0.100		96.6	70-130			
m,p-Xylene	0.183	0.010	"	0.200		91.6	70-130			
o-Xylene	0.0933	0.0050	"	0.100		93.3	70-130			
1,2,4-Trimethylbenzene	0.0949	0.0050	"	0.100		94.9	70-130			
1,3,5-Trimethylbenzene	0.0898	0.0050	"	0.100		89.8	70-130			
Naphthalene	0.0798	0.0038	"	0.100		79.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0396		"	0.0400		99.0	23-173			
Surrogate: Toluene-d8	0.0407		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400		100	21-167			

Matrix Spike (BEK0574-MS1)

Source: 2111377-01

Prepared: 11/29/21 Analyzed: 11/30/21

Benzene	0.0965	0.0020	mg/kg	0.100	ND	96.5	70-130			
Toluene	0.0923	0.0050	"	0.100	ND	92.3	70-130			
Ethylbenzene	0.0887	0.0050	"	0.100	ND	88.7	70-130			
m,p-Xylene	0.167	0.010	"	0.200	ND	83.3	70-130			
o-Xylene	0.0844	0.0050	"	0.100	ND	84.4	70-130			
1,2,4-Trimethylbenzene	0.0852	0.0050	"	0.100	ND	85.2	70-130			
1,3,5-Trimethylbenzene	0.0816	0.0050	"	0.100	ND	81.6	70-130			
Naphthalene	0.0700	0.0038	"	0.100	ND	70.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0416		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0415		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0574 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0574-MSD1)		Source: 2111377-01			Prepared: 11/29/21 Analyzed: 11/30/21					
Benzene	0.0974	0.0020	mg/kg	0.100	ND	97.4	70-130	0.836	30	
Toluene	0.0909	0.0050	"	0.100	ND	90.9	70-130	1.57	30	
Ethylbenzene	0.0884	0.0050	"	0.100	ND	88.4	70-130	0.339	30	
m,p-Xylene	0.168	0.010	"	0.200	ND	83.8	70-130	0.593	30	
o-Xylene	0.0842	0.0050	"	0.100	ND	84.2	70-130	0.356	30	
1,2,4-Trimethylbenzene	0.0847	0.0050	"	0.100	ND	84.7	70-130	0.565	30	
1,3,5-Trimethylbenzene	0.0820	0.0050	"	0.100	ND	82.0	70-130	0.514	30	
Naphthalene	0.0744	0.0038	"	0.100	ND	74.4	70-130	6.07	30	
Surrogate: 1,2-Dichloroethane-d4		0.0403	"	0.0400		101	23-173			
Surrogate: Toluene-d8		0.0414	"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene		0.0400	"	0.0400		100	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0578 - EPA 3550A

Blank (BEK0578-BLK1)

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0578-BS1)

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	462	50	mg/kg	500	92.3	70-130
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Matrix Spike (BEK0578-MS1)

Source: 2111377-01

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	440	50	mg/kg	500	15.0	84.9	70-130
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Matrix Spike Dup (BEK0578-MSD1)

Source: 2111377-01

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	465	50	mg/kg	500	15.0	90.0	70-130	5.65	20
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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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result		%REC	Limits	RPD	Limit

Batch BEK0561 - EPA 5030 Soil MS

Blank (BEK0561-BLK1)

Prepared: 11/29/21 Analyzed: 11/30/21

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	0.0278		"	0.0333		83.4		40-150			
Surrogate: Fluoranthene-d10	0.0271		"	0.0333		81.3		40-150			

LCS (BEK0561-BS1)

Prepared: 11/29/21 Analyzed: 11/30/21

Acenaphthene	0.0280	0.00500	mg/kg	0.0333		84.1		31-137			
Anthracene	0.0282	0.00500	"	0.0333		84.6		30-120			
Benzo (a) anthracene	0.0273	0.00500	"	0.0333		82.0		30-120			
Benzo (a) pyrene	0.0252	0.00500	"	0.0333		75.6		30-120			
Benzo (b) fluoranthene	0.0280	0.00500	"	0.0333		84.0		30-120			
Benzo (k) fluoranthene	0.0292	0.00500	"	0.0333		87.6		30-120			
Chrysene	0.0279	0.00500	"	0.0333		83.6		30-120			
Dibenz (a,h) anthracene	0.0148	0.00500	"	0.0333		44.3		30-120			
Fluoranthene	0.0249	0.00500	"	0.0333		74.6		30-120			
Fluorene	0.0298	0.00500	"	0.0333		89.5		30-120			
Indeno (1,2,3-cd) pyrene	0.0195	0.00500	"	0.0333		58.6		30-120			
Pyrene	0.0185	0.00500	"	0.0333		55.6		35-142			
1-Methylnaphthalene	0.0283	0.00500	"	0.0333		85.0		35-142			
2-Methylnaphthalene	0.0277	0.00500	"	0.0333		83.1		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0272		"	0.0333		81.6		40-150			
Surrogate: Fluoranthene-d10	0.0301		"	0.0333		90.4		40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0561 - EPA 5030 Soil MS

Matrix Spike (BEK0561-MS1)

Source: 2111167-02

Prepared: 11/29/21 Analyzed: 11/30/21

Acenaphthene	0.0254	0.00500	mg/kg	0.0333	ND	76.1	31-137		
Anthracene	0.0254	0.00500	"	0.0333	ND	76.1	30-120		
Benzo (a) anthracene	0.0237	0.00500	"	0.0333	ND	71.0	30-120		
Benzo (a) pyrene	0.0214	0.00500	"	0.0333	ND	64.1	30-120		
Benzo (b) fluoranthene	0.0221	0.00500	"	0.0333	ND	66.3	30-120		
Benzo (k) fluoranthene	0.0236	0.00500	"	0.0333	ND	70.8	30-120		
Chrysene	0.0247	0.00500	"	0.0333	ND	74.1	30-120		
Dibenz (a,h) anthracene	0.0119	0.00500	"	0.0333	ND	35.6	30-120		
Fluoranthene	0.0224	0.00500	"	0.0333	ND	67.1	30-120		
Fluorene	0.0268	0.00500	"	0.0333	ND	80.4	30-120		
Indeno (1,2,3-cd) pyrene	0.0177	0.00500	"	0.0333	ND	53.0	30-120		
Pyrene	0.0171	0.00500	"	0.0333	ND	51.2	35-142		
1-Methylnaphthalene	0.0237	0.00500	"	0.0333	ND	71.2	15-130		
2-Methylnaphthalene	0.0230	0.00500	"	0.0333	ND	68.9	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0242		"	0.0333		72.6	40-150		
Surrogate: Fluoranthene-d10	0.0268		"	0.0333		80.4	40-150		

Matrix Spike Dup (BEK0561-MSD1)

Source: 2111167-02

Prepared: 11/29/21 Analyzed: 11/30/21

Acenaphthene	0.0196	0.00500	mg/kg	0.0333	ND	58.8	31-137	25.6	30
Anthracene	0.0203	0.00500	"	0.0333	ND	60.8	30-120	22.3	30
Benzo (a) anthracene	0.0218	0.00500	"	0.0333	ND	65.5	30-120	8.03	30
Benzo (a) pyrene	0.0196	0.00500	"	0.0333	ND	58.9	30-120	8.42	30
Benzo (b) fluoranthene	0.0209	0.00500	"	0.0333	ND	62.7	30-120	5.51	30
Benzo (k) fluoranthene	0.0222	0.00500	"	0.0333	ND	66.5	30-120	6.28	30
Chrysene	0.0226	0.00500	"	0.0333	ND	67.7	30-120	9.02	30
Dibenz (a,h) anthracene	0.0115	0.00500	"	0.0333	ND	34.6	30-120	2.93	30
Fluoranthene	0.0192	0.00500	"	0.0333	ND	57.5	30-120	15.4	30
Fluorene	0.0199	0.00500	"	0.0333	ND	59.8	30-120	29.3	30
Indeno (1,2,3-cd) pyrene	0.0175	0.00500	"	0.0333	ND	52.4	30-120	1.11	30
Pyrene	0.0157	0.00500	"	0.0333	ND	47.1	35-142	8.34	30
1-Methylnaphthalene	0.0204	0.00500	"	0.0333	ND	61.3	15-130	15.0	50
2-Methylnaphthalene	0.0200	0.00500	"	0.0333	ND	60.0	15-130	13.9	50
Surrogate: 2-Methylnaphthalene-d10	0.0219		"	0.0333		65.8	40-150		
Surrogate: Fluoranthene-d10	0.0231		"	0.0333		69.4	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:15

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

December 01, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111396

Enclosed are the results of analyses for samples received by Summit Scientific on 11/22/21 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D17B@33'	2111396-01	Soil	11/22/21 11:21	11/22/21 16:05
C14B@33'	2111396-02	Soil	11/22/21 14:24	11/22/21 16:05

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.

2111396

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Sampler Name: Jackson Millasovich

Project Number:[illegible]

S₂

2111396

Sample Receipt Checklist

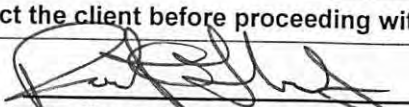
S2 Work Order# _____

Client: DCP/Tasman Client Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) - 5.2

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

11-22-21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

D17B@33'
2111396-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/22/21 11:21**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEK0579	11/29/21	11/30/21	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: **11/22/21 11:21**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/22/21 11:21**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0580	11/29/21	11/30/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/22/21 11:21**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

D17B@33'
2111396-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/22/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0589	11/30/21	12/01/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/22/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		86.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		88.2 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

C14B@33'
2111396-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/22/21 14:24**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0579	11/29/21	11/30/21	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: **11/22/21 14:24**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/22/21 14:24**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0580	11/29/21	11/30/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/22/21 14:24**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		108 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

C14B@33'
2111396-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/22/21 14:24**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0589	11/30/21	12/01/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/22/21 14:24**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		85.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		85.4 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0579 - EPA 5030 Soil MS

Blank (BEK0579-BLK1)

Prepared: 11/29/21 Analyzed: 11/30/21

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	0.0414		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0424		"	0.0400		106	20-170			
Surrogate: 4-Bromofluorobenzene	0.0449		"	0.0400		112	21-167			

LCS (BEK0579-BS1)

Prepared: 11/29/21 Analyzed: 11/30/21

Benzene	0.0722	0.0020	mg/kg	0.100		72.2	70-130			
Toluene	0.0966	0.0050	"	0.100		96.6	70-130			
Ethylbenzene	0.0933	0.0050	"	0.100		93.3	70-130			
m,p-Xylene	0.185	0.010	"	0.200		92.3	70-130			
o-Xylene	0.0972	0.0050	"	0.100		97.2	70-130			
1,2,4-Trimethylbenzene	0.0947	0.0050	"	0.100		94.7	70-130			
1,3,5-Trimethylbenzene	0.0934	0.0050	"	0.100		93.4	70-130			
Naphthalene	0.0896	0.0038	"	0.100		89.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0405		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0418		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0449		"	0.0400		112	21-167			

Matrix Spike (BEK0579-MS1)

Source: 2111376-01

Prepared: 11/29/21 Analyzed: 11/30/21

Benzene	0.110	0.0020	mg/kg	0.100	ND	110	70-130			
Toluene	0.105	0.0050	"	0.100	ND	105	70-130			
Ethylbenzene	0.0985	0.0050	"	0.100	ND	98.5	70-130			
m,p-Xylene	0.196	0.010	"	0.200	ND	97.9	70-130			
o-Xylene	0.105	0.0050	"	0.100	ND	105	70-130			
1,2,4-Trimethylbenzene	0.0988	0.0050	"	0.100	ND	98.8	70-130			
1,3,5-Trimethylbenzene	0.0984	0.0050	"	0.100	ND	98.4	70-130			
Naphthalene	0.109	0.0038	"	0.100	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0428		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0423		"	0.0400		106	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0579 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0579-MSD1)	Source: 2111376-01			Prepared: 11/29/21 Analyzed: 11/30/21						
Benzene	0.130	0.0020	mg/kg	0.100	ND	130	70-130	17.1	30	
Toluene	0.122	0.0050	"	0.100	ND	122	70-130	14.6	30	
Ethylbenzene	0.113	0.0050	"	0.100	ND	113	70-130	13.5	30	
m,p-Xylene	0.226	0.010	"	0.200	ND	113	70-130	14.5	30	
o-Xylene	0.120	0.0050	"	0.100	ND	120	70-130	13.9	30	
1,2,4-Trimethylbenzene	0.114	0.0050	"	0.100	ND	114	70-130	13.9	30	
1,3,5-Trimethylbenzene	0.111	0.0050	"	0.100	ND	111	70-130	12.1	30	
Naphthalene	0.130	0.0038	"	0.100	ND	130	70-130	17.9	30	
Surrogate: 1,2-Dichloroethane-d4	0.0413		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0424		"	0.0400		106	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0580 - EPA 3550A

Blank (BEK0580-BLK1)

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0580-BS1)

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	449	50	mg/kg	500	89.7	70-130
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Matrix Spike (BEK0580-MS1)

Source: 2111376-01

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	537	50	mg/kg	500	184	70.5	70-130
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Matrix Spike Dup (BEK0580-MSD1)

Source: 2111376-01

Prepared: 11/29/21 Analyzed: 11/30/21

C10-C28 (DRO)	557	50	mg/kg	500	184	74.5	70-130	3.69	20
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Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0589 - EPA 5030 Soil MS

Blank (BEK0589-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

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	0.0303		"	0.0333		90.8	40-150			
Surrogate: Fluoranthene-d10	0.0307		"	0.0333		92.0	40-150			

LCS (BEK0589-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0254	0.00500	mg/kg	0.0333		76.1	31-137			
Anthracene	0.0255	0.00500	"	0.0333		76.5	30-120			
Benzo (a) anthracene	0.0244	0.00500	"	0.0333		73.3	30-120			
Benzo (a) pyrene	0.0259	0.00500	"	0.0333		77.8	30-120			
Benzo (b) fluoranthene	0.0270	0.00500	"	0.0333		81.1	30-120			
Benzo (k) fluoranthene	0.0279	0.00500	"	0.0333		83.6	30-120			
Chrysene	0.0252	0.00500	"	0.0333		75.6	30-120			
Dibenz (a,h) anthracene	0.0221	0.00500	"	0.0333		66.3	30-120			
Fluoranthene	0.0268	0.00500	"	0.0333		80.3	30-120			
Fluorene	0.0265	0.00500	"	0.0333		79.5	30-120			
Indeno (1,2,3-cd) pyrene	0.0191	0.00500	"	0.0333		57.2	30-120			
Pyrene	0.0268	0.00500	"	0.0333		80.4	35-142			
1-Methylnaphthalene	0.0239	0.00500	"	0.0333		71.8	35-142			
2-Methylnaphthalene	0.0246	0.00500	"	0.0333		73.7	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0233		"	0.0333		70.0	40-150			
Surrogate: Fluoranthene-d10	0.0276		"	0.0333		82.9	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0589 - EPA 5030 Soil MS

Matrix Spike (BEK0589-MS1)			Source: 2111394-02		Prepared: 11/30/21		Analyzed: 12/01/21	
Acenaphthene	0.0250	0.00500	mg/kg	0.0333	ND	74.8	31-137	
Anthracene	0.0251	0.00500	"	0.0333	ND	75.4	30-120	
Benzo (a) anthracene	0.0234	0.00500	"	0.0333	ND	70.2	30-120	
Benzo (a) pyrene	0.0238	0.00500	"	0.0333	ND	71.3	30-120	
Benzo (b) fluoranthene	0.0300	0.00500	"	0.0333	ND	89.9	30-120	
Benzo (k) fluoranthene	0.0317	0.00500	"	0.0333	ND	95.2	30-120	
Chrysene	0.0254	0.00500	"	0.0333	ND	76.3	30-120	
Dibenz (a,h) anthracene	0.0125	0.00500	"	0.0333	ND	37.4	30-120	
Fluoranthene	0.0276	0.00500	"	0.0333	ND	82.7	30-120	
Fluorene	0.0263	0.00500	"	0.0333	ND	79.0	30-120	
Indeno (1,2,3-cd) pyrene	0.0112	0.00500	"	0.0333	ND	33.5	30-120	
Pyrene	0.0316	0.00500	"	0.0333	ND	94.8	35-142	
1-Methylnaphthalene	0.0253	0.00500	"	0.0333	ND	76.0	15-130	
2-Methylnaphthalene	0.0267	0.00500	"	0.0333	ND	80.2	15-130	
Surrogate: 2-Methylnaphthalene-d10	0.0251		"	0.0333		75.4	40-150	
Surrogate: Fluoranthene-d10	0.0271		"	0.0333		81.2	40-150	

Matrix Spike Dup (BEK0589-MSD1)			Source: 2111394-02		Prepared: 11/30/21		Analyzed: 12/01/21	
Acenaphthene	0.0260	0.00500	mg/kg	0.0333	ND	77.9	31-137	3.97 30
Anthracene	0.0265	0.00500	"	0.0333	ND	79.5	30-120	5.29 30
Benzo (a) anthracene	0.0234	0.00500	"	0.0333	ND	70.1	30-120	0.182 30
Benzo (a) pyrene	0.0241	0.00500	"	0.0333	ND	72.4	30-120	1.51 30
Benzo (b) fluoranthene	0.0305	0.00500	"	0.0333	ND	91.4	30-120	1.59 30
Benzo (k) fluoranthene	0.0322	0.00500	"	0.0333	ND	96.7	30-120	1.49 30
Chrysene	0.0255	0.00500	"	0.0333	ND	76.6	30-120	0.322 30
Dibenz (a,h) anthracene	0.0125	0.00500	"	0.0333	ND	37.4	30-120	0.0214 30
Fluoranthene	0.0267	0.00500	"	0.0333	ND	80.0	30-120	3.38 30
Fluorene	0.0272	0.00500	"	0.0333	ND	81.5	30-120	3.14 30
Indeno (1,2,3-cd) pyrene	0.0115	0.00500	"	0.0333	ND	34.5	30-120	2.87 30
Pyrene	0.0371	0.00500	"	0.0333	ND	111	35-142	16.1 30
1-Methylnaphthalene	0.0261	0.00500	"	0.0333	ND	78.4	15-130	3.11 50
2-Methylnaphthalene	0.0272	0.00500	"	0.0333	ND	81.7	15-130	1.90 50
Surrogate: 2-Methylnaphthalene-d10	0.0272		"	0.0333		81.5	40-150	
Surrogate: Fluoranthene-d10	0.0263		"	0.0333		78.8	40-150	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/01/21 18:17

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

December 06, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

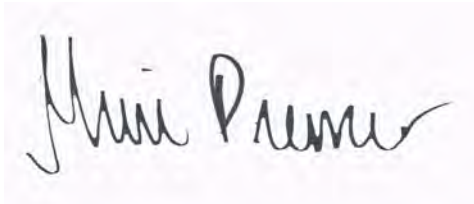
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111432

Enclosed are the results of analyses for samples received by Summit Scientific on 11/23/21 16:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier". The signature is written in a cursive, flowing style. The first name "Muri" is written with a large, stylized 'M' and the last name "Premier" follows in a similar cursive script.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D16B@33'	2111432-01	Soil	11/23/21 12:17	11/23/21 16:15
C13B@33'	2111432-02	Soil	11/23/21 14:22	11/23/21 16:15

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.

2111432

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Sampler Name: Jackson Millegovich

Project Number:

[illegible]

S₂

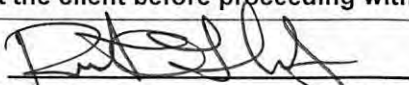
Sample Receipt Checklist

S2 Work Order# 2111432Client: DCP/Tasman Client Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) 9.3

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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


 Custodian Printed Name or Initials

11-23-21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

D16B@33'
2111432-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/23/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0605	11/30/21	12/01/21	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: **11/23/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/23/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0606	11/30/21	12/01/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/23/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		93.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

D16B@33'
2111432-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/23/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0589	11/30/21	12/02/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/23/21 12:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		89.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		82.4 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

C13B@33'
2111432-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/23/21 14:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEK0605	11/30/21	12/01/21	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: **11/23/21 14:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/23/21 14:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0606	11/30/21	12/01/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/23/21 14:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		74.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

C13B@33'
2111432-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/23/21 14:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0589	11/30/21	12/02/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/23/21 14:22**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		81.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		74.8 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0605 - EPA 5030 Soil MS

Blank (BEK0605-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

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	0.0404		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.7	21-167			

LCS (BEK0605-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

Benzene	0.158	0.0020	mg/kg	0.150		106	70-130			
Toluene	0.153	0.0050	"	0.150		102	70-130			
Ethylbenzene	0.148	0.0050	"	0.150		99.0	70-130			
m,p-Xylene	0.282	0.010	"	0.300		94.2	70-130			
o-Xylene	0.142	0.0050	"	0.150		94.5	70-130			
1,2,4-Trimethylbenzene	0.146	0.0050	"	0.150		97.5	70-130			
1,3,5-Trimethylbenzene	0.146	0.0050	"	0.150		97.3	70-130			
Naphthalene	0.145	0.0038	"	0.150		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0381		"	0.0400		95.2	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.8	21-167			

Matrix Spike (BEK0605-MS1)

Source: 2111414-01

Prepared: 11/30/21 Analyzed: 12/01/21

Benzene	0.159	0.0020	mg/kg	0.150	ND	106	70-130			
Toluene	0.154	0.0050	"	0.150	ND	103	70-130			
Ethylbenzene	0.149	0.0050	"	0.150	ND	99.1	70-130			
m,p-Xylene	0.284	0.010	"	0.300	ND	94.6	70-130			
o-Xylene	0.143	0.0050	"	0.150	ND	95.1	70-130			
1,2,4-Trimethylbenzene	0.149	0.0050	"	0.150	ND	99.2	70-130			
1,3,5-Trimethylbenzene	0.150	0.0050	"	0.150	ND	100	70-130			
Naphthalene	0.151	0.0038	"	0.150	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0386		"	0.0400		96.5	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		98.9	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0605 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0605-MSD1)	Source: 2111414-01			Prepared: 11/30/21 Analyzed: 12/01/21						
Benzene	0.162	0.0020	mg/kg	0.150	ND	108	70-130	1.88	30	
Toluene	0.157	0.0050	"	0.150	ND	104	70-130	1.39	30	
Ethylbenzene	0.148	0.0050	"	0.150	ND	98.7	70-130	0.405	30	
m,p-Xylene	0.284	0.010	"	0.300	ND	94.7	70-130	0.127	30	
o-Xylene	0.143	0.0050	"	0.150	ND	95.1	70-130	0.0421	30	
1,2,4-Trimethylbenzene	0.147	0.0050	"	0.150	ND	97.9	70-130	1.32	30	
1,3,5-Trimethylbenzene	0.147	0.0050	"	0.150	ND	98.3	70-130	1.73	30	
Naphthalene	0.151	0.0038	"	0.150	ND	100	70-130	0.0598	30	
Surrogate: 1,2-Dichloroethane-d4	0.0390		"	0.0400		97.6	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.5	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0606 - EPA 3550A

Blank (BEK0606-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0606-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	480	50	mg/kg	500	96.0	70-130
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Matrix Spike (BEK0606-MS1)

Source: 2111414-01

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	455	50	mg/kg	500	15.2	88.0	70-130
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Matrix Spike Dup (BEK0606-MSD1)

Source: 2111414-01

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	429	50	mg/kg	500	15.2	82.7	70-130	5.97	20
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Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0589 - EPA 5030 Soil MS

Blank (BEK0589-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

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	0.0303		"	0.0333		90.8	40-150			
Surrogate: Fluoranthene-d10	0.0307		"	0.0333		92.0	40-150			

LCS (BEK0589-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0254	0.00500	mg/kg	0.0333		76.1	31-137			
Anthracene	0.0255	0.00500	"	0.0333		76.5	30-120			
Benzo (a) anthracene	0.0244	0.00500	"	0.0333		73.3	30-120			
Benzo (a) pyrene	0.0259	0.00500	"	0.0333		77.8	30-120			
Benzo (b) fluoranthene	0.0270	0.00500	"	0.0333		81.1	30-120			
Benzo (k) fluoranthene	0.0279	0.00500	"	0.0333		83.6	30-120			
Chrysene	0.0252	0.00500	"	0.0333		75.6	30-120			
Dibenz (a,h) anthracene	0.0221	0.00500	"	0.0333		66.3	30-120			
Fluoranthene	0.0268	0.00500	"	0.0333		80.3	30-120			
Fluorene	0.0265	0.00500	"	0.0333		79.5	30-120			
Indeno (1,2,3-cd) pyrene	0.0191	0.00500	"	0.0333		57.2	30-120			
Pyrene	0.0268	0.00500	"	0.0333		80.4	35-142			
1-Methylnaphthalene	0.0239	0.00500	"	0.0333		71.8	35-142			
2-Methylnaphthalene	0.0246	0.00500	"	0.0333		73.7	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0233		"	0.0333		70.0	40-150			
Surrogate: Fluoranthene-d10	0.0276		"	0.0333		82.9	40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0589 - EPA 5030 Soil MS

Matrix Spike (BEK0589-MS1)

Source: 2111394-02

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0250	0.00500	mg/kg	0.0333	ND	74.8	31-137		
Anthracene	0.0251	0.00500	"	0.0333	ND	75.4	30-120		
Benzo (a) anthracene	0.0234	0.00500	"	0.0333	ND	70.2	30-120		
Benzo (a) pyrene	0.0238	0.00500	"	0.0333	ND	71.3	30-120		
Benzo (b) fluoranthene	0.0300	0.00500	"	0.0333	ND	89.9	30-120		
Benzo (k) fluoranthene	0.0317	0.00500	"	0.0333	ND	95.2	30-120		
Chrysene	0.0254	0.00500	"	0.0333	ND	76.3	30-120		
Dibenz (a,h) anthracene	0.0125	0.00500	"	0.0333	ND	37.4	30-120		
Fluoranthene	0.0276	0.00500	"	0.0333	ND	82.7	30-120		
Fluorene	0.0263	0.00500	"	0.0333	ND	79.0	30-120		
Indeno (1,2,3-cd) pyrene	0.0112	0.00500	"	0.0333	ND	33.5	30-120		
Pyrene	0.0316	0.00500	"	0.0333	ND	94.8	35-142		
1-Methylnaphthalene	0.0253	0.00500	"	0.0333	ND	76.0	15-130		
2-Methylnaphthalene	0.0267	0.00500	"	0.0333	ND	80.2	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0251		"	0.0333		75.4	40-150		
Surrogate: Fluoranthene-d10	0.0271		"	0.0333		81.2	40-150		

Matrix Spike Dup (BEK0589-MSD1)

Source: 2111394-02

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0260	0.00500	mg/kg	0.0333	ND	77.9	31-137	3.97	30
Anthracene	0.0265	0.00500	"	0.0333	ND	79.5	30-120	5.29	30
Benzo (a) anthracene	0.0234	0.00500	"	0.0333	ND	70.1	30-120	0.182	30
Benzo (a) pyrene	0.0241	0.00500	"	0.0333	ND	72.4	30-120	1.51	30
Benzo (b) fluoranthene	0.0305	0.00500	"	0.0333	ND	91.4	30-120	1.59	30
Benzo (k) fluoranthene	0.0322	0.00500	"	0.0333	ND	96.7	30-120	1.49	30
Chrysene	0.0255	0.00500	"	0.0333	ND	76.6	30-120	0.322	30
Dibenz (a,h) anthracene	0.0125	0.00500	"	0.0333	ND	37.4	30-120	0.0214	30
Fluoranthene	0.0267	0.00500	"	0.0333	ND	80.0	30-120	3.38	30
Fluorene	0.0272	0.00500	"	0.0333	ND	81.5	30-120	3.14	30
Indeno (1,2,3-cd) pyrene	0.0115	0.00500	"	0.0333	ND	34.5	30-120	2.87	30
Pyrene	0.0371	0.00500	"	0.0333	ND	111	35-142	16.1	30
1-Methylnaphthalene	0.0261	0.00500	"	0.0333	ND	78.4	15-130	3.11	50
2-Methylnaphthalene	0.0272	0.00500	"	0.0333	ND	81.7	15-130	1.90	50
Surrogate: 2-Methylnaphthalene-d10	0.0272		"	0.0333		81.5	40-150		
Surrogate: Fluoranthene-d10	0.0263		"	0.0333		78.8	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:03

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

December 06, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

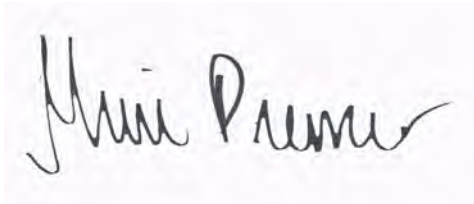
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111492

Enclosed are the results of analyses for samples received by Summit Scientific on 11/29/21 16:14. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier". The signature is written in a cursive, flowing style. The first name "Muri" is written with a large, stylized 'M' and the last name "Premier" follows in a similar cursive script.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B9B@33'	2111492-01	Soil	11/29/21 14:27	11/29/21 16:14

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.

2111492

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Project Manager: Chandler Cole/Jeb Watts
E-Mail: ccole@depnidsstream.com; jwatts@kashan-geo.com; vslunggs@kashan-geo.com
Project Name: Parrish #1
Project Number: _____

[illegible]



2111492

Sample Receipt Checklist

S2 Work Order#

Client: DCP/TasmanClient Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other: _____

(Describe)

Temp (°C)

19.4

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

[Signature]
Custodian Printed Name or Initials

11.29.21
Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

B9B@33'
2111492-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/29/21 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEK0605	11/30/21	12/02/21	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: **11/29/21 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/29/21 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEK0606	11/30/21	12/01/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/29/21 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		70.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

B9B@33'
2111492-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/29/21 14:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEK0589	11/30/21	12/03/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/29/21 14:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		90.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		77.6 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0605 - EPA 5030 Soil MS

Blank (BEK0605-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

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	0.0404		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.7	21-167			

LCS (BEK0605-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

Benzene	0.158	0.0020	mg/kg	0.150		106	70-130			
Toluene	0.153	0.0050	"	0.150		102	70-130			
Ethylbenzene	0.148	0.0050	"	0.150		99.0	70-130			
m,p-Xylene	0.282	0.010	"	0.300		94.2	70-130			
o-Xylene	0.142	0.0050	"	0.150		94.5	70-130			
1,2,4-Trimethylbenzene	0.146	0.0050	"	0.150		97.5	70-130			
1,3,5-Trimethylbenzene	0.146	0.0050	"	0.150		97.3	70-130			
Naphthalene	0.145	0.0038	"	0.150		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0381		"	0.0400		95.2	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0395		"	0.0400		98.8	21-167			

Matrix Spike (BEK0605-MS1)

Source: 2111414-01

Prepared: 11/30/21 Analyzed: 12/01/21

Benzene	0.159	0.0020	mg/kg	0.150	ND	106	70-130			
Toluene	0.154	0.0050	"	0.150	ND	103	70-130			
Ethylbenzene	0.149	0.0050	"	0.150	ND	99.1	70-130			
m,p-Xylene	0.284	0.010	"	0.300	ND	94.6	70-130			
o-Xylene	0.143	0.0050	"	0.150	ND	95.1	70-130			
1,2,4-Trimethylbenzene	0.149	0.0050	"	0.150	ND	99.2	70-130			
1,3,5-Trimethylbenzene	0.150	0.0050	"	0.150	ND	100	70-130			
Naphthalene	0.151	0.0038	"	0.150	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0386		"	0.0400		96.5	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		98.9	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0605 - EPA 5030 Soil MS

Matrix Spike Dup (BEK0605-MSD1)	Source: 2111414-01			Prepared: 11/30/21 Analyzed: 12/01/21						
Benzene	0.162	0.0020	mg/kg	0.150	ND	108	70-130	1.88	30	
Toluene	0.157	0.0050	"	0.150	ND	104	70-130	1.39	30	
Ethylbenzene	0.148	0.0050	"	0.150	ND	98.7	70-130	0.405	30	
m,p-Xylene	0.284	0.010	"	0.300	ND	94.7	70-130	0.127	30	
o-Xylene	0.143	0.0050	"	0.150	ND	95.1	70-130	0.0421	30	
1,2,4-Trimethylbenzene	0.147	0.0050	"	0.150	ND	97.9	70-130	1.32	30	
1,3,5-Trimethylbenzene	0.147	0.0050	"	0.150	ND	98.3	70-130	1.73	30	
Naphthalene	0.151	0.0038	"	0.150	ND	100	70-130	0.0598	30	
Surrogate: 1,2-Dichloroethane-d4	0.0390		"	0.0400		97.6	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.5	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0606 - EPA 3550A

Blank (BEK0606-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEK0606-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	480	50	mg/kg	500	96.0	70-130
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Matrix Spike (BEK0606-MS1)

Source: 2111414-01

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	455	50	mg/kg	500	15.2	88.0	70-130
---------------	-----	----	-------	-----	------	------	--------

Matrix Spike Dup (BEK0606-MSD1)

Source: 2111414-01

Prepared: 11/30/21 Analyzed: 12/01/21

C10-C28 (DRO)	429	50	mg/kg	500	15.2	82.7	70-130	5.97	20
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Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0589 - EPA 5030 Soil MS

Blank (BEK0589-BLK1)

Prepared: 11/30/21 Analyzed: 12/01/21

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	0.0303		"	0.0333		90.8	40-150			
Surrogate: Fluoranthene-d10	0.0307		"	0.0333		92.0	40-150			

LCS (BEK0589-BS1)

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0254	0.00500	mg/kg	0.0333		76.1	31-137			
Anthracene	0.0255	0.00500	"	0.0333		76.5	30-120			
Benzo (a) anthracene	0.0244	0.00500	"	0.0333		73.3	30-120			
Benzo (a) pyrene	0.0259	0.00500	"	0.0333		77.8	30-120			
Benzo (b) fluoranthene	0.0270	0.00500	"	0.0333		81.1	30-120			
Benzo (k) fluoranthene	0.0279	0.00500	"	0.0333		83.6	30-120			
Chrysene	0.0252	0.00500	"	0.0333		75.6	30-120			
Dibenz (a,h) anthracene	0.0221	0.00500	"	0.0333		66.3	30-120			
Fluoranthene	0.0268	0.00500	"	0.0333		80.3	30-120			
Fluorene	0.0265	0.00500	"	0.0333		79.5	30-120			
Indeno (1,2,3-cd) pyrene	0.0191	0.00500	"	0.0333		57.2	30-120			
Pyrene	0.0268	0.00500	"	0.0333		80.4	35-142			
1-Methylnaphthalene	0.0239	0.00500	"	0.0333		71.8	35-142			
2-Methylnaphthalene	0.0246	0.00500	"	0.0333		73.7	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0233		"	0.0333		70.0	40-150			
Surrogate: Fluoranthene-d10	0.0276		"	0.0333		82.9	40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEK0589 - EPA 5030 Soil MS

Matrix Spike (BEK0589-MS1)

Source: 2111394-02

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0250	0.00500	mg/kg	0.0333	ND	74.8	31-137		
Anthracene	0.0251	0.00500	"	0.0333	ND	75.4	30-120		
Benzo (a) anthracene	0.0234	0.00500	"	0.0333	ND	70.2	30-120		
Benzo (a) pyrene	0.0238	0.00500	"	0.0333	ND	71.3	30-120		
Benzo (b) fluoranthene	0.0300	0.00500	"	0.0333	ND	89.9	30-120		
Benzo (k) fluoranthene	0.0317	0.00500	"	0.0333	ND	95.2	30-120		
Chrysene	0.0254	0.00500	"	0.0333	ND	76.3	30-120		
Dibenz (a,h) anthracene	0.0125	0.00500	"	0.0333	ND	37.4	30-120		
Fluoranthene	0.0276	0.00500	"	0.0333	ND	82.7	30-120		
Fluorene	0.0263	0.00500	"	0.0333	ND	79.0	30-120		
Indeno (1,2,3-cd) pyrene	0.0112	0.00500	"	0.0333	ND	33.5	30-120		
Pyrene	0.0316	0.00500	"	0.0333	ND	94.8	35-142		
1-Methylnaphthalene	0.0253	0.00500	"	0.0333	ND	76.0	15-130		
2-Methylnaphthalene	0.0267	0.00500	"	0.0333	ND	80.2	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0251		"	0.0333		75.4	40-150		
Surrogate: Fluoranthene-d10	0.0271		"	0.0333		81.2	40-150		

Matrix Spike Dup (BEK0589-MSD1)

Source: 2111394-02

Prepared: 11/30/21 Analyzed: 12/01/21

Acenaphthene	0.0260	0.00500	mg/kg	0.0333	ND	77.9	31-137	3.97	30
Anthracene	0.0265	0.00500	"	0.0333	ND	79.5	30-120	5.29	30
Benzo (a) anthracene	0.0234	0.00500	"	0.0333	ND	70.1	30-120	0.182	30
Benzo (a) pyrene	0.0241	0.00500	"	0.0333	ND	72.4	30-120	1.51	30
Benzo (b) fluoranthene	0.0305	0.00500	"	0.0333	ND	91.4	30-120	1.59	30
Benzo (k) fluoranthene	0.0322	0.00500	"	0.0333	ND	96.7	30-120	1.49	30
Chrysene	0.0255	0.00500	"	0.0333	ND	76.6	30-120	0.322	30
Dibenz (a,h) anthracene	0.0125	0.00500	"	0.0333	ND	37.4	30-120	0.0214	30
Fluoranthene	0.0267	0.00500	"	0.0333	ND	80.0	30-120	3.38	30
Fluorene	0.0272	0.00500	"	0.0333	ND	81.5	30-120	3.14	30
Indeno (1,2,3-cd) pyrene	0.0115	0.00500	"	0.0333	ND	34.5	30-120	2.87	30
Pyrene	0.0371	0.00500	"	0.0333	ND	111	35-142	16.1	30
1-Methylnaphthalene	0.0261	0.00500	"	0.0333	ND	78.4	15-130	3.11	50
2-Methylnaphthalene	0.0272	0.00500	"	0.0333	ND	81.7	15-130	1.90	50
Surrogate: 2-Methylnaphthalene-d10	0.0272		"	0.0333		81.5	40-150		
Surrogate: Fluoranthene-d10	0.0263		"	0.0333		78.8	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:40

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

December 06, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

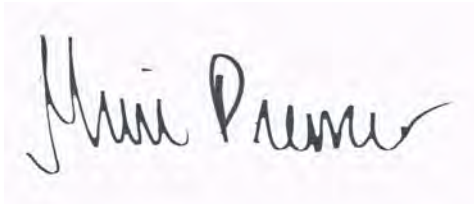
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2111524

Enclosed are the results of analyses for samples received by Summit Scientific on 11/30/21 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premer". The signature is written in a cursive style with a large, stylized "M" and a long, sweeping underline.

Muri Premer For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]

Project Manager: Jeb Watts

Reported:
12/06/21 15:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C12B@33'	2111524-01	Soil	11/30/21 11:12	11/30/21 15:30
C11B@33'	2111524-02	Soil	11/30/21 11:21	11/30/21 15:30

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.

2111524

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Sampler Name: Jackson Millasovich

Project Number:

www.s2scientific.com

S₂

Sample Receipt Checklist

S2 Work Order# 2111524

Client: DCP/TasmanClient Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other:

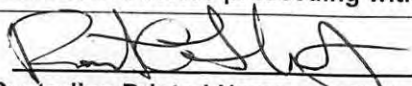
(Describe)

Temp (°C)	9.2
-----------	-----

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.				
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

11.30.21

Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

C12B@33'
2111524-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/30/21 11:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0015	12/01/21	12/03/21	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: **11/30/21 11:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/30/21 11:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0016	12/01/21	12/02/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/30/21 11:12**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		80.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

C12B@33'
2111524-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/30/21 11:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0003	12/01/21	12/05/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/30/21 11:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		73.5 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

C11B@33'
2111524-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/30/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0015	12/01/21	12/03/21	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: **11/30/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		98.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **11/30/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0016	12/01/21	12/02/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **11/30/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		108 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

C11B@33'
2111524-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/30/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0003	12/01/21	12/05/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **11/30/21 11:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		78.3 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0015 - EPA 5030 Soil MS

Blank (BEL0015-BLK1)

Prepared: 12/01/21 Analyzed: 12/02/21

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	0.0417		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0413		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	21-167			

LCS (BEL0015-BS1)

Prepared: 12/01/21 Analyzed: 12/02/21

Benzene	0.0889	0.0020	mg/kg	0.100		88.9	70-130			
Toluene	0.0991	0.0050	"	0.100		99.1	70-130			
Ethylbenzene	0.0892	0.0050	"	0.100		89.2	70-130			
m,p-Xylene	0.162	0.010	"	0.200		80.9	70-130			
o-Xylene	0.0992	0.0050	"	0.100		99.2	70-130			
1,2,4-Trimethylbenzene	0.0772	0.0050	"	0.100		77.2	70-130			
1,3,5-Trimethylbenzene	0.0772	0.0050	"	0.100		77.2	70-130			
Naphthalene	0.0873	0.0038	"	0.100		87.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0431		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0511		"	0.0400		128	20-170			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		101	21-167			

Matrix Spike (BEL0015-MS1)

Source: 2111428-01

Prepared: 12/01/21 Analyzed: 12/02/21

Benzene	0.0714	0.0020	mg/kg	0.100	ND	71.4	70-130			
Toluene	0.0952	0.0050	"	0.100	ND	95.2	70-130			
Ethylbenzene	0.0840	0.0050	"	0.100	ND	84.0	70-130			
m,p-Xylene	0.175	0.010	"	0.200	ND	87.7	70-130			
o-Xylene	0.0702	0.0050	"	0.100	ND	70.2	70-130			
1,2,4-Trimethylbenzene	0.101	0.0050	"	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.0924	0.0050	"	0.100	ND	92.4	70-130			
Naphthalene	0.0980	0.0038	"	0.100	ND	98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0415		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0409		"	0.0400		102	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0015 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0015-MSD1)	Source: 2111428-01			Prepared: 12/01/21 Analyzed: 12/02/21						
Benzene	0.0819	0.0020	mg/kg	0.100	ND	81.9	70-130	13.7	30	
Toluene	0.0736	0.0050	"	0.100	ND	73.6	70-130	25.6	30	
Ethylbenzene	0.0952	0.0050	"	0.100	ND	95.2	70-130	12.5	30	
m,p-Xylene	0.160	0.010	"	0.200	ND	79.9	70-130	9.29	30	
o-Xylene	0.0718	0.0050	"	0.100	ND	71.8	70-130	2.28	30	
1,2,4-Trimethylbenzene	0.0831	0.0050	"	0.100	ND	83.1	70-130	19.2	30	
1,3,5-Trimethylbenzene	0.0933	0.0050	"	0.100	ND	93.3	70-130	0.905	30	
Naphthalene	0.107	0.0038	"	0.100	ND	107	70-130	8.95	30	
Surrogate: 1,2-Dichloroethane-d4	0.0407		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0016 - EPA 3550A

Blank (BEL0016-BLK1)

Prepared & Analyzed: 12/01/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0016-BS1)

Prepared & Analyzed: 12/01/21

C10-C28 (DRO)	491	50	mg/kg	500	98.2	70-130
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Matrix Spike (BEL0016-MS1)

Source: 2111428-01

Prepared & Analyzed: 12/01/21

C10-C28 (DRO)	469	50	mg/kg	500	28.9	88.0	70-130
---------------	-----	----	-------	-----	------	------	--------

Matrix Spike Dup (BEL0016-MSD1)

Source: 2111428-01

Prepared: 12/01/21 Analyzed: 12/02/21

C10-C28 (DRO)	445	50	mg/kg	500	28.9	83.2	70-130	5.19	20
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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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0003 - EPA 5030 Soil MS

Blank (BEL0003-BLK1)

Prepared: 12/01/21 Analyzed: 12/04/21

1-Methylnaphthalene	ND	0.00500	mg/kg							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0323		"	0.0333		96.9	40-150			

LCS (BEL0003-BS1)

Prepared: 12/01/21 Analyzed: 12/04/21

1-Methylnaphthalene	0.0326	0.00500	mg/kg	0.0333		97.7	35-142			
2-Methylnaphthalene	0.0331	0.00500	"	0.0333		99.3	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0332		"	0.0333		99.7	40-150			

Matrix Spike (BEL0003-MS1)

Source: 2111204-01

Prepared: 12/01/21 Analyzed: 12/04/21

1-Methylnaphthalene	0.0256	0.00500	mg/kg	0.0333	ND	76.9	15-130			
2-Methylnaphthalene	0.0261	0.00500	"	0.0333	ND	78.3	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0275		"	0.0333		82.5	40-150			

Matrix Spike Dup (BEL0003-MSD1)

Source: 2111204-01

Prepared: 12/01/21 Analyzed: 12/04/21

1-Methylnaphthalene	0.0268	0.00500	mg/kg	0.0333	ND	80.4	15-130	4.48	50	
2-Methylnaphthalene	0.0266	0.00500	"	0.0333	ND	79.8	15-130	1.95	50	
Surrogate: 2-Methylnaphthalene-d10	0.0269		"	0.0333		80.8	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:49

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

December 06, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

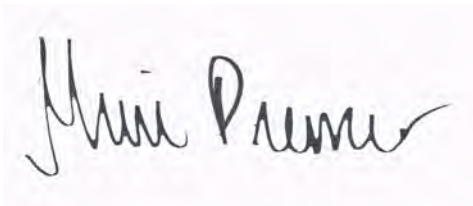
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112017

Enclosed are the results of analyses for samples received by Summit Scientific on 12/01/21 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premer". The signature is written in a cursive, flowing style. The first name "Muri" is written with a large, stylized 'M' and 'u'. The last name "Premer" is written with a large 'P' and a trailing flourish.

Muri Premer For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B6B@33'	2112017-01	Soil	12/01/21 14:25	12/01/21 16:05
B6W@29'	2112017-02	Soil	12/01/21 14:31	12/01/21 16:05
B9SE@31'	2112017-03	Soil	12/01/21 07:52	12/01/21 16:05

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

Page 1 of 1

Project Manager: Chandler Cole / Jeb Watts
E-Mail: ccole@depnidsstream.com; jwatts@tasman-gc.com; vcraygs@tman-
Project Name: Pumlee #1 gov.com
Project Number: _____

www.s2scientific.com

S₂

Sample Receipt Checklist

S2 Work Order# 2112017Client: DCP-Tasman Client Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

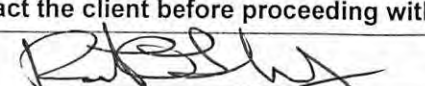
Temp (°C)

10.8

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

12.1.21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

B6B@33'
2112017-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/01/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0022	12/01/21	12/01/21	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: **12/01/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/01/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0021	12/01/21	12/01/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/01/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		104 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

B6B@33'
2112017-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/01/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0026	12/02/21	12/05/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/01/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		64.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		74.6 %	40-150		"	"	"	"	

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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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

B6W@29'
2112017-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/01/21 14:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0022	12/01/21	12/01/21	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: **12/01/21 14:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		112 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/01/21 14:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0021	12/01/21	12/01/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/01/21 14:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		94.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

B6W@29'
2112017-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/01/21 14:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0026	12/02/21	12/05/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/01/21 14:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		74.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		83.5 %	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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

B9SE@31'
2112017-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/01/21 07:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0022	12/01/21	12/01/21	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: **12/01/21 07:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/01/21 07:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0021	12/01/21	12/01/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/01/21 07:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		95.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

B9SE@31'
2112017-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/01/21 07:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0026	12/02/21	12/05/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/01/21 07:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		61.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		66.9 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0022 - EPA 5030 Soil MS

Blank (BEL0022-BLK1)

Prepared & Analyzed: 12/01/21

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	0.0412		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0430		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0439		"	0.0400		110	21-167			

LCS (BEL0022-BS1)

Prepared & Analyzed: 12/01/21

Benzene	0.110	0.0020	mg/kg	0.125		88.4	70-130			
Toluene	0.123	0.0050	"	0.125		98.7	70-130			
Ethylbenzene	0.141	0.0050	"	0.125		113	70-130			
m,p-Xylene	0.265	0.010	"	0.250		106	70-130			
o-Xylene	0.102	0.0050	"	0.125		81.6	70-130			
1,2,4-Trimethylbenzene	0.144	0.0050	"	0.125		115	70-130			
1,3,5-Trimethylbenzene	0.108	0.0050	"	0.125		86.2	70-130			
Naphthalene	0.0989	0.0038	"	0.125		79.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0428		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0419		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

Matrix Spike (BEL0022-MS1)

Source: 2112014-01

Prepared & Analyzed: 12/01/21

Benzene	0.108	0.0020	mg/kg	0.125	ND	86.4	70-130			
Toluene	0.120	0.0050	"	0.125	ND	96.2	70-130			
Ethylbenzene	0.134	0.0050	"	0.125	ND	108	70-130			
m,p-Xylene	0.257	0.010	"	0.250	ND	103	70-130			
o-Xylene	0.0985	0.0050	"	0.125	ND	78.8	70-130			
1,2,4-Trimethylbenzene	0.137	0.0050	"	0.125	ND	109	70-130			
1,3,5-Trimethylbenzene	0.102	0.0050	"	0.125	ND	81.5	70-130			
Naphthalene	0.103	0.0038	"	0.125	ND	82.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0440		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0422		"	0.0400		106	20-170			
Surrogate: 4-Bromofluorobenzene	0.0421		"	0.0400		105	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0022 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0022-MSD1)		Source: 2112014-01			Prepared & Analyzed: 12/01/21					
Benzene	0.104	0.0020	mg/kg	0.125	ND	83.1	70-130	3.85	30	
Toluene	0.114	0.0050	"	0.125	ND	91.2	70-130	5.35	30	
Ethylbenzene	0.128	0.0050	"	0.125	ND	102	70-130	5.27	30	
m,p-Xylene	0.240	0.010	"	0.250	ND	96.0	70-130	6.94	30	
o-Xylene	0.0941	0.0050	"	0.125	ND	75.3	70-130	4.55	30	
1,2,4-Trimethylbenzene	0.132	0.0050	"	0.125	ND	106	70-130	3.17	30	
1,3,5-Trimethylbenzene	0.0985	0.0050	"	0.125	ND	78.8	70-130	3.38	30	
Naphthalene	0.104	0.0038	"	0.125	ND	82.9	70-130	1.05	30	
Surrogate: 1,2-Dichloroethane-d4		0.0426	"	0.0400		106	23-173			
Surrogate: Toluene-d8		0.0417	"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene		0.0408	"	0.0400		102	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting			Spike	Source	%REC		RPD	
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0021 - EPA 3550A

Blank (BEL0021-BLK1)

Prepared & Analyzed: 12/01/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0021-BS1)

Prepared & Analyzed: 12/01/21

C10-C28 (DRO)	439	50	mg/kg	500	87.8	70-130
---------------	-----	----	-------	-----	------	--------

Matrix Spike (BEL0021-MS1)

Source: 2112005-01

Prepared: 12/01/21 Analyzed: 12/02/21

C10-C28 (DRO)	559	50	mg/kg	500	18.5	108	70-130
---------------	-----	----	-------	-----	------	-----	--------

Matrix Spike Dup (BEL0021-MSD1)

Source: 2112005-01

Prepared: 12/01/21 Analyzed: 12/02/21

C10-C28 (DRO)	552	50	mg/kg	500	18.5	107	70-130	1.27	20
---------------	-----	----	-------	-----	------	-----	--------	------	----

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0026 - EPA 5030 Soil MS

Blank (BEL0026-BLK1)

Prepared: 12/02/21 Analyzed: 12/05/21

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	0.0285		"	0.0333		85.6	40-150			
Surrogate: Fluoranthene-d10	0.0298		"	0.0333		89.4	40-150			

LCS (BEL0026-BS1)

Prepared: 12/02/21 Analyzed: 12/05/21

Acenaphthene	0.0253	0.00500	mg/kg	0.0333		75.9	31-137			
Anthracene	0.0252	0.00500	"	0.0333		75.6	30-120			
Benzo (a) anthracene	0.0224	0.00500	"	0.0333		67.3	30-120			
Benzo (a) pyrene	0.0237	0.00500	"	0.0333		71.1	30-120			
Benzo (b) fluoranthene	0.0249	0.00500	"	0.0333		74.8	30-120			
Benzo (k) fluoranthene	0.0255	0.00500	"	0.0333		76.5	30-120			
Chrysene	0.0230	0.00500	"	0.0333		68.9	30-120			
Dibenz (a,h) anthracene	0.0238	0.00500	"	0.0333		71.3	30-120			
Fluoranthene	0.0261	0.00500	"	0.0333		78.2	30-120			
Fluorene	0.0273	0.00500	"	0.0333		81.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0151	0.00500	"	0.0333		45.2	30-120			
Pyrene	0.0242	0.00500	"	0.0333		72.6	35-142			
1-Methylnaphthalene	0.0245	0.00500	"	0.0333		73.6	35-142			
2-Methylnaphthalene	0.0263	0.00500	"	0.0333		79.0	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0247		"	0.0333		74.2	40-150			
Surrogate: Fluoranthene-d10	0.0263		"	0.0333		79.0	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0026 - EPA 5030 Soil MS

Matrix Spike (BEL0026-MS1)

Source: 2111332-01

Prepared: 12/02/21 Analyzed: 12/05/21

Acenaphthene	0.0258	0.00500	mg/kg	0.0333	ND	77.5	31-137				
Anthracene	0.0262	0.00500	"	0.0333	ND	78.7	30-120				
Benzo (a) anthracene	0.0237	0.00500	"	0.0333	ND	71.1	30-120				
Benzo (a) pyrene	0.0255	0.00500	"	0.0333	ND	76.4	30-120				
Benzo (b) fluoranthene	0.0264	0.00500	"	0.0333	ND	79.1	30-120				
Benzo (k) fluoranthene	0.0271	0.00500	"	0.0333	ND	81.2	30-120				
Chrysene	0.0245	0.00500	"	0.0333	ND	73.5	30-120				
Dibenz (a,h) anthracene	0.0255	0.00500	"	0.0333	ND	76.5	30-120				
Fluoranthene	0.0261	0.00500	"	0.0333	ND	78.4	30-120				
Fluorene	0.0278	0.00500	"	0.0333	ND	83.4	30-120				
Indeno (1,2,3-cd) pyrene	0.0164	0.00500	"	0.0333	ND	49.2	30-120				
Pyrene	0.0258	0.00500	"	0.0333	ND	77.5	35-142				
1-Methylnaphthalene	0.0253	0.00500	"	0.0333	ND	75.8	15-130				
2-Methylnaphthalene	0.0251	0.00500	"	0.0333	ND	75.4	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0257		"	0.0333		77.1	40-150				
Surrogate: Fluoranthene-d10	0.0273		"	0.0333		82.0	40-150				

Matrix Spike Dup (BEL0026-MSD1)

Source: 2111332-01

Prepared: 12/02/21 Analyzed: 12/05/21

Acenaphthene	0.0233	0.00500	mg/kg	0.0333	ND	69.9	31-137	10.4	30		
Anthracene	0.0240	0.00500	"	0.0333	ND	72.0	30-120	8.89	30		
Benzo (a) anthracene	0.0211	0.00500	"	0.0333	ND	63.2	30-120	11.7	30		
Benzo (a) pyrene	0.0225	0.00500	"	0.0333	ND	67.6	30-120	12.2	30		
Benzo (b) fluoranthene	0.0230	0.00500	"	0.0333	ND	69.1	30-120	13.5	30		
Benzo (k) fluoranthene	0.0245	0.00500	"	0.0333	ND	73.4	30-120	10.1	30		
Chrysene	0.0221	0.00500	"	0.0333	ND	66.4	30-120	10.0	30		
Dibenz (a,h) anthracene	0.0224	0.00500	"	0.0333	ND	67.1	30-120	13.1	30		
Fluoranthene	0.0246	0.00500	"	0.0333	ND	73.7	30-120	6.16	30		
Fluorene	0.0248	0.00500	"	0.0333	ND	74.4	30-120	11.4	30		
Indeno (1,2,3-cd) pyrene	0.0140	0.00500	"	0.0333	ND	42.0	30-120	15.7	30		
Pyrene	0.0231	0.00500	"	0.0333	ND	69.2	35-142	11.3	30		
1-Methylnaphthalene	0.0228	0.00500	"	0.0333	ND	68.5	15-130	10.2	50		
2-Methylnaphthalene	0.0235	0.00500	"	0.0333	ND	70.4	15-130	6.86	50		
Surrogate: 2-Methylnaphthalene-d10	0.0232		"	0.0333		69.5	40-150				
Surrogate: Fluoranthene-d10	0.0249		"	0.0333		74.7	40-150				

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 15:55

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

December 06, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

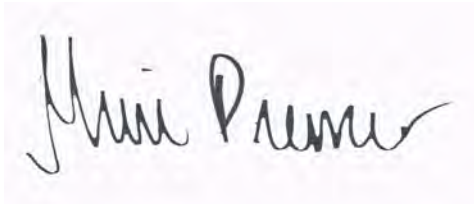
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112043

Enclosed are the results of analyses for samples received by Summit Scientific on 12/02/21 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier". The signature is written in a cursive style with a large, stylized "M" and a long, sweeping underline.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B6S@28'	2112043-01	Soil	12/02/21 08:17	12/02/21 16:00
A4B@33'	2112043-02	Soil	12/02/21 10:21	12/02/21 16:00
B7B@33'	2112043-03	Soil	12/02/21 12:52	12/02/21 16:00
B8B@33'	2112043-04	Soil	12/02/21 12:57	12/02/21 16:00
B7S@28'	2112043-05	Soil	12/02/21 13:10	12/02/21 16:00
B8S@27'	2112043-06	Soil	12/02/21 13:44	12/02/21 16:00

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

741 Corporate Circle Suite I ♦ Golden, Colorado 80401

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client:

DLP - Tasman

Address:

6855 W 11th Ave

City/State/Zip:

Broomfield, CO 80020

Phone: 303

-443-1224

Fax:

Sampler Name: 5

Jackson Millwright

Project Manager:

Chandler Cole / Jeb Watts

E-Mail: ccw@12

@depnidsstream.com; jwatts@kman-geo.com; vscrangys@kman-geo.com

Project Name: P

Wm Lee H1

Project Number:

				Preservative				Matrix				Analyze For:									
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	TABLE 415-1 VOCs	TABLE 415-1 TPH	TABLE 415-1 1,1,2-trichloroethane							Special Instructions
B6S@28'	12/02/21	817	2			X			X			X	X	X							
A4B@33'	12/02/21	1021	2			X			X			X	X	X							
B7B@33'	12/02/21	1252	2			X			X			X	X	X							
B8B@33'	12/02/21	1257	2			X			X			X	X	X							
B7S@28'	12/02/21	1310	2			X			X			X	X	X							
B8S@27'	12/02/21	1344	2			X			X			X	X	X							

Relinquished by:
Jackson M. Milosovich

Relinquished by:

Relinquished by:

Date/Time:
12/02/21
T: 1600

Date/Time:
T: 1600

Date/Time:
12-2-21
1600

Date/Time:

Received by:
Tanner Louderback

Received by:
[Signature]

Received in Lab by:

Turn Around Time (Check)
Same Day ☒
24 Hours ☐
48 Hours ☐

Standard ☐

Sample Integrity:
Temperature Upon Receipt: 7.8
Intact: Yes ☒ No ☐

Notes:
Bill to
DLP

S₂

Sample Receipt Checklist

S2 Work Order#

2112043

Client: DCP-TasmanianClient Project ID: Parmkeet#1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other:

(Describe)

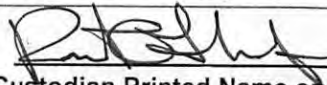
Temp (°C)

7.8

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

 12-2-21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B6S@28'
2112043-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/02/21 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0044	12/02/21	12/02/21	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: **12/02/21 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.0 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/02/21 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0045	12/02/21	12/02/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/02/21 08:17**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		98.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B6S@28'
2112043-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/02/21 08:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0046	12/03/21	12/06/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/02/21 08:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		68.0 %	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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

A4B@33'
2112043-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/02/21 10:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0044	12/02/21	12/02/21	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: **12/02/21 10:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/02/21 10:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0045	12/02/21	12/02/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/02/21 10:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		107 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

A4B@33'
2112043-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/02/21 10:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0046	12/03/21	12/06/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/02/21 10:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		72.8 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B7B@33'
2112043-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/02/21 12:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0044	12/02/21	12/02/21	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: **12/02/21 12:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.7 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/02/21 12:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0045	12/02/21	12/02/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/02/21 12:52**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B7B@33'
2112043-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/02/21 12:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0046	12/03/21	12/06/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/02/21 12:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		58.5 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B8B@33'
2112043-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/02/21 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0044	12/02/21	12/02/21	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: **12/02/21 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/02/21 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0045	12/02/21	12/02/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/02/21 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B8B@33'
2112043-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/02/21 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0046	12/03/21	12/06/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/02/21 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		63.9 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B7S@28'
2112043-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/02/21 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0044	12/02/21	12/02/21	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: **12/02/21 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/02/21 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0045	12/02/21	12/02/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/02/21 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		79.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B7S@28'
2112043-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/02/21 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0046	12/03/21	12/06/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/02/21 13:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		52.4 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B8S@27'
2112043-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/02/21 13:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0044	12/02/21	12/03/21	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: **12/02/21 13:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.9 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/02/21 13:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0045	12/02/21	12/03/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/02/21 13:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		109 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

B8S@27'
2112043-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/02/21 13:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0046	12/03/21	12/06/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/02/21 13:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		56.8 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0044 - EPA 5030 Soil MS

Blank (BEL0044-BLK1)

Prepared: 12/02/21 Analyzed: 12/03/21

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	0.0403		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	21-167			

LCS (BEL0044-BS1)

Prepared: 12/02/21 Analyzed: 12/03/21

Benzene	0.108	0.0020	mg/kg	0.100		108	70-130			
Toluene	0.103	0.0050	"	0.100		103	70-130			
Ethylbenzene	0.0950	0.0050	"	0.100		95.0	70-130			
m,p-Xylene	0.187	0.010	"	0.200		93.4	70-130			
o-Xylene	0.0931	0.0050	"	0.100		93.1	70-130			
1,2,4-Trimethylbenzene	0.0949	0.0050	"	0.100		94.9	70-130			
1,3,5-Trimethylbenzene	0.0897	0.0050	"	0.100		89.7	70-130			
Naphthalene	0.0792	0.0038	"	0.100		79.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0400		"	0.0400		100	23-173			
Surrogate: Toluene-d8	0.0420		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.1	21-167			

Matrix Spike (BEL0044-MS1)

Source: 2112034-01

Prepared: 12/02/21 Analyzed: 12/03/21

Benzene	0.0985	0.0020	mg/kg	0.100	ND	98.5	70-130			
Toluene	0.0925	0.0050	"	0.100	ND	92.5	70-130			
Ethylbenzene	0.0849	0.0050	"	0.100	ND	84.9	70-130			
m,p-Xylene	0.166	0.010	"	0.200	ND	82.8	70-130			
o-Xylene	0.0820	0.0050	"	0.100	ND	82.0	70-130			
1,2,4-Trimethylbenzene	0.0802	0.0050	"	0.100	ND	80.2	70-130			
1,3,5-Trimethylbenzene	0.0753	0.0050	"	0.100	ND	75.3	70-130			
Naphthalene	0.0774	0.0038	"	0.100	ND	77.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0413		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		100	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0044 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0044-MSD1)		Source: 2112034-01			Prepared: 12/02/21 Analyzed: 12/03/21					
Benzene	0.0966	0.0020	mg/kg	0.100	ND	96.6	70-130	2.00	30	
Toluene	0.0908	0.0050	"	0.100	ND	90.8	70-130	1.83	30	
Ethylbenzene	0.0812	0.0050	"	0.100	ND	81.2	70-130	4.41	30	
m,p-Xylene	0.160	0.010	"	0.200	ND	79.9	70-130	3.49	30	
o-Xylene	0.0782	0.0050	"	0.100	ND	78.2	70-130	4.75	30	
1,2,4-Trimethylbenzene	0.0764	0.0050	"	0.100	ND	76.4	70-130	4.91	30	
1,3,5-Trimethylbenzene	0.0722	0.0050	"	0.100	ND	72.2	70-130	4.23	30	
Naphthalene	0.0710	0.0038	"	0.100	ND	71.0	70-130	8.61	30	
Surrogate: 1,2-Dichloroethane-d4		0.0410	"	0.0400		102	23-173			
Surrogate: Toluene-d8		0.0418	"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene		0.0401	"	0.0400		100	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0045 - EPA 3550A

Blank (BEL0045-BLK1)

Prepared: 12/02/21 Analyzed: 12/03/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0045-BS1)

Prepared: 12/02/21 Analyzed: 12/03/21

C10-C28 (DRO)	487	50	mg/kg	500	97.5	70-130
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Matrix Spike (BEL0045-MS1)

Source: 2112034-01

Prepared: 12/02/21 Analyzed: 12/03/21

C10-C28 (DRO)	595	50	mg/kg	500	28.0	113	70-130
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Matrix Spike Dup (BEL0045-MSD1)

Source: 2112034-01

Prepared: 12/02/21 Analyzed: 12/03/21

C10-C28 (DRO)	515	50	mg/kg	500	28.0	97.5	70-130	14.3	20
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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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0046 - EPA 5030 Soil MS

Blank (BEL0046-BLK1)

Prepared: 12/03/21 Analyzed: 12/05/21

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	0.0242		"	0.0333		72.7	40-150			
Surrogate: Fluoranthene-d10	0.0285		"	0.0333		85.4	40-150			

LCS (BEL0046-BS1)

Prepared: 12/03/21 Analyzed: 12/05/21

Acenaphthene	0.0300	0.00500	mg/kg	0.0333		89.9	31-137			
Anthracene	0.0306	0.00500	"	0.0333		91.7	30-120			
Benzo (a) anthracene	0.0286	0.00500	"	0.0333		85.8	30-120			
Benzo (a) pyrene	0.0300	0.00500	"	0.0333		90.0	30-120			
Benzo (b) fluoranthene	0.0319	0.00500	"	0.0333		95.7	30-120			
Benzo (k) fluoranthene	0.0322	0.00500	"	0.0333		96.5	30-120			
Chrysene	0.0292	0.00500	"	0.0333		87.6	30-120			
Dibenz (a,h) anthracene	0.0260	0.00500	"	0.0333		78.1	30-120			
Fluoranthene	0.0306	0.00500	"	0.0333		91.9	30-120			
Fluorene	0.0313	0.00500	"	0.0333		93.9	30-120			
Indeno (1,2,3-cd) pyrene	0.0248	0.00500	"	0.0333		74.4	30-120			
Pyrene	0.0315	0.00500	"	0.0333		94.4	35-142			
1-Methylnaphthalene	0.0244	0.00500	"	0.0333		73.1	35-142			
2-Methylnaphthalene	0.0255	0.00500	"	0.0333		76.5	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0263		"	0.0333		78.8	40-150			
Surrogate: Fluoranthene-d10	0.0323		"	0.0333		96.9	40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0046 - EPA 5030 Soil MS

Matrix Spike (BEL0046-MS1)

Source: 2112034-01

Prepared: 12/03/21 Analyzed: 12/05/21

Acenaphthene	0.0253	0.00500	mg/kg	0.0333	ND	75.8	31-137		
Anthracene	0.0268	0.00500	"	0.0333	ND	80.3	30-120		
Benzo (a) anthracene	0.0239	0.00500	"	0.0333	ND	71.7	30-120		
Benzo (a) pyrene	0.0242	0.00500	"	0.0333	ND	72.7	30-120		
Benzo (b) fluoranthene	0.0254	0.00500	"	0.0333	ND	76.1	30-120		
Benzo (k) fluoranthene	0.0264	0.00500	"	0.0333	ND	79.1	30-120		
Chrysene	0.0263	0.00500	"	0.0333	ND	78.8	30-120		
Dibenz (a,h) anthracene	0.0194	0.00500	"	0.0333	ND	58.2	30-120		
Fluoranthene	0.0279	0.00500	"	0.0333	ND	83.7	30-120		
Fluorene	0.0260	0.00500	"	0.0333	ND	78.0	30-120		
Indeno (1,2,3-cd) pyrene	0.0174	0.00500	"	0.0333	ND	52.1	30-120		
Pyrene	0.0273	0.00500	"	0.0333	ND	81.9	35-142		
1-Methylnaphthalene	0.0225	0.00500	"	0.0333	ND	67.5	15-130		
2-Methylnaphthalene	0.0222	0.00500	"	0.0333	ND	66.5	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0215		"	0.0333		64.5	40-150		
Surrogate: Fluoranthene-d10	0.0274		"	0.0333		82.1	40-150		

Matrix Spike Dup (BEL0046-MSD1)

Source: 2112034-01

Prepared: 12/03/21 Analyzed: 12/05/21

Acenaphthene	0.0250	0.00500	mg/kg	0.0333	ND	75.0	31-137	1.07	30
Anthracene	0.0256	0.00500	"	0.0333	ND	76.8	30-120	4.42	30
Benzo (a) anthracene	0.0232	0.00500	"	0.0333	ND	69.6	30-120	2.97	30
Benzo (a) pyrene	0.0235	0.00500	"	0.0333	ND	70.6	30-120	3.03	30
Benzo (b) fluoranthene	0.0210	0.00500	"	0.0333	ND	63.0	30-120	18.8	30
Benzo (k) fluoranthene	0.0252	0.00500	"	0.0333	ND	75.6	30-120	4.54	30
Chrysene	0.0255	0.00500	"	0.0333	ND	76.6	30-120	2.78	30
Dibenz (a,h) anthracene	0.0226	0.00500	"	0.0333	ND	67.8	30-120	15.1	30
Fluoranthene	0.0231	0.00500	"	0.0333	ND	69.2	30-120	18.9	30
Fluorene	0.0219	0.00500	"	0.0333	ND	65.6	30-120	17.3	30
Indeno (1,2,3-cd) pyrene	0.0182	0.00500	"	0.0333	ND	54.7	30-120	4.81	30
Pyrene	0.0260	0.00500	"	0.0333	ND	78.1	35-142	4.81	30
1-Methylnaphthalene	0.0143	0.00500	"	0.0333	ND	43.0	15-130	44.3	50
2-Methylnaphthalene	0.0142	0.00500	"	0.0333	ND	42.7	15-130	43.6	50
Surrogate: 2-Methylnaphthalene-d10	0.0146		"	0.0333		43.7	40-150		
Surrogate: Fluoranthene-d10	0.0193		"	0.0333		57.9	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/06/21 18:01

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

December 10, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112060

Enclosed are the results of analyses for samples received by Summit Scientific on 12/03/21 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A3S@29'	2112060-01	Soil	12/03/21 12:04	12/03/21 15:30
A5E@29'	2112060-03	Soil	12/03/21 13:57	12/03/21 15:30
A5B@33'	2112060-04	Soil	12/03/21 14:07	12/03/21 15:30

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

S₂

2112060

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Client: DCP-Tasman

Project Manager: Chandler Cole / Jeb Watts

Page 1 of 1

Address: 6855 W 114th Ave

E-Mail: ccole@depmidstream.com; jwatts@tasman-geo.com;

City/State/Zip: Broomfield, CO 80020

vschwab@tasman-geo.com

Phone: 303-483-1224

Project Name: Permian H1

Sampler Name: Jackson Millasovich

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Table 415-1 Vocs	Table 415-1 TPH	Table 415-1 PCBs	Table 415-1 PAHs	Table 415-1 Metals	Table 415-1 Other				
1	A3S@29'	12/03/14	1204	2			X			X				X	X	X						
2	A3B@33'	12/03/14	1155	2			X			X				X	X	X						
3	A5E@29'	12/03/14	1357	2			X			X				X	X	X						HOLD
4	A5B@33'	12/03/14	1407	2			X			X				X	X	X						HOLD
5	A3W@29'	12/03/14	1146	2			X			X				X	X	X						HOLD
6																						HOLD
7																						
8																						
9																						
10																						

Relinquished by: Jackson Millasovich	Date/Time: 12/03/14 T: 1616	Received by: Tasman Lookout	Date/Time: 12/03/14 T: 1615	Turn Around Time Same Day <input checked="" type="checkbox"/> 72 hours — 24 hours — Standard — 48 hours — Sample Integrity: Temperature Upon Receipt: 3.3 Samples Intact: <input checked="" type="radio"/> Yes No	Notes: Bill to DCP
Relinquished by:	Date/Time:	Received by:	Date/Time: 12-3-21 1530		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

S₂

Sample Receipt Checklist

S2 Work Order# 2112060Client: DCP-TasmanClient Project ID: Parmlee#1Shipped Via: ☐ H.D. ☒ P.U. ☐ FedEx/UPS/USPS/Other

Airbill #: _____

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other: _____

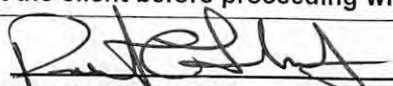
(Describe)

Temp (°C)

3.3

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sameday
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
<p>⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.</p>				


 Custodian Printed Name or Initials

12:321
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

A3S@29'
2112060-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/03/21 12:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0073	12/03/21	12/05/21	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: **12/03/21 12:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		113 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/03/21 12:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0074	12/03/21	12/03/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/03/21 12:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		93.8 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

A3S@29'
2112060-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/03/21 12:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0084	12/06/21	12/09/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/03/21 12:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		65.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		71.1 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

A5E@29'
2112060-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/03/21 13:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0073	12/03/21	12/05/21	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: **12/03/21 13:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		112 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/03/21 13:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0074	12/03/21	12/03/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/03/21 13:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		99.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

A5E@29'
2112060-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/03/21 13:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0084	12/06/21	12/09/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/03/21 13:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		70.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		74.0 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

A5B@33'
2112060-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/03/21 14:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0112	12/06/21	12/09/21	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: **12/03/21 14:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		127 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/03/21 14:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0113	12/06/21	12/07/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/03/21 14:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		104 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

A5B@33'
2112060-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/03/21 14:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0084	12/06/21	12/09/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/03/21 14:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		45.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		44.0 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0073 - EPA 5030 Soil MS

Blank (BEL0073-BLK1)

Prepared: 12/03/21 Analyzed: 12/04/21

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	0.0449		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0449		"	0.0400		112	20-170			
Surrogate: 4-Bromofluorobenzene	0.0440		"	0.0400		110	21-167			

LCS (BEL0073-BS1)

Prepared: 12/03/21 Analyzed: 12/04/21

Benzene	0.107	0.0020	mg/kg	0.100		107	70-130			
Toluene	0.108	0.0050	"	0.100		108	70-130			
Ethylbenzene	0.0938	0.0050	"	0.100		93.8	70-130			
m,p-Xylene	0.191	0.010	"	0.200		95.5	70-130			
o-Xylene	0.0993	0.0050	"	0.100		99.3	70-130			
1,2,4-Trimethylbenzene	0.0986	0.0050	"	0.100		98.6	70-130			
1,3,5-Trimethylbenzene	0.0922	0.0050	"	0.100		92.2	70-130			
Naphthalene	0.0812	0.0038	"	0.100		81.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0464		"	0.0400		116	23-173			
Surrogate: Toluene-d8	0.0434		"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene	0.0419		"	0.0400		105	21-167			

Matrix Spike (BEL0073-MS1)

Source: 2112052-01

Prepared: 12/03/21 Analyzed: 12/04/21

Benzene	0.0979	0.0020	mg/kg	0.100	ND	97.9	70-130			
Toluene	0.100	0.0050	"	0.100	ND	100	70-130			
Ethylbenzene	0.0840	0.0050	"	0.100	ND	84.0	70-130			
m,p-Xylene	0.169	0.010	"	0.200	ND	84.3	70-130			
o-Xylene	0.0877	0.0050	"	0.100	ND	87.7	70-130			
1,2,4-Trimethylbenzene	0.0822	0.0050	"	0.100	ND	82.2	70-130			
1,3,5-Trimethylbenzene	0.0775	0.0050	"	0.100	ND	77.5	70-130			
Naphthalene	0.0820	0.0038	"	0.100	ND	82.0	50-130			
Surrogate: 1,2-Dichloroethane-d4	0.0458		"	0.0400		114	23-173			
Surrogate: Toluene-d8	0.0429		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0427		"	0.0400		107	21-167			

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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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result		%REC	Limits	RPD	Limit

Batch BEL0073 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0073-MSD1)				Source: 2112052-01		Prepared: 12/03/21 Analyzed: 12/04/21					
Benzene	0.0981	0.0020	mg/kg	0.100	ND	98.1	70-130	0.214	30		
Toluene	0.0993	0.0050	"	0.100	ND	99.3	70-130	1.11	30		
Ethylbenzene	0.0811	0.0050	"	0.100	ND	81.1	70-130	3.53	30		
m,p-Xylene	0.166	0.010	"	0.200	ND	82.8	70-130	1.78	30		
o-Xylene	0.0852	0.0050	"	0.100	ND	85.2	70-130	2.81	30		
1,2,4-Trimethylbenzene	0.0790	0.0050	"	0.100	ND	79.0	70-130	4.02	30		
1,3,5-Trimethylbenzene	0.0776	0.0050	"	0.100	ND	77.6	70-130	0.116	30		
Naphthalene	0.0799	0.0038	"	0.100	ND	79.9	50-130	2.56	30		
Surrogate: 1,2-Dichloroethane-d4	0.0469		"	0.0400		117	23-173				
Surrogate: Toluene-d8	0.0438		"	0.0400		110	20-170				
Surrogate: 4-Bromofluorobenzene	0.0430		"	0.0400		107	21-167				

Batch BEL0112 - EPA 5030 Soil MS

Blank (BEL0112-BLK1)				Prepared & Analyzed: 12/06/21							
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	0.0407		"	0.0400		102	23-173				
Surrogate: Toluene-d8	0.0419		"	0.0400		105	20-170				
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	21-167				

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0112 - EPA 5030 Soil MS

LCS (BEL0112-BS1)

Prepared & Analyzed: 12/06/21

Benzene	0.156	0.0020	mg/kg	0.150		104	70-130			
Toluene	0.157	0.0050	"	0.150		105	70-130			
Ethylbenzene	0.141	0.0050	"	0.150		93.7	70-130			
m,p-Xylene	0.267	0.010	"	0.300		89.0	70-130			
o-Xylene	0.133	0.0050	"	0.150		88.7	70-130			
1,2,4-Trimethylbenzene	0.132	0.0050	"	0.150		87.9	70-130			
1,3,5-Trimethylbenzene	0.133	0.0050	"	0.150		88.4	70-130			
Naphthalene	0.140	0.0038	"	0.150		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0383		"	0.0400		95.7	23-173			
Surrogate: Toluene-d8	0.0415		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	21-167			

Matrix Spike (BEL0112-MS1)

Source: 2112046-01

Prepared & Analyzed: 12/06/21

Benzene	0.144	0.0020	mg/kg	0.150	ND	95.8	70-130			
Toluene	0.143	0.0050	"	0.150	ND	95.6	70-130			
Ethylbenzene	0.124	0.0050	"	0.150	ND	82.7	70-130			
m,p-Xylene	0.233	0.010	"	0.300	ND	77.8	70-130			
o-Xylene	0.116	0.0050	"	0.150	ND	77.3	70-130			
1,2,4-Trimethylbenzene	0.136	0.0050	"	0.150	ND	90.8	70-130			
1,3,5-Trimethylbenzene	0.136	0.0050	"	0.150	ND	90.5	70-130			
Naphthalene	0.127	0.0038	"	0.150	ND	84.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0397		"	0.0400		99.2	23-173			
Surrogate: Toluene-d8	0.0415		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0409		"	0.0400		102	21-167			

Matrix Spike Dup (BEL0112-MSD1)

Source: 2112046-01

Prepared: 12/06/21 Analyzed: 12/07/21

Benzene	0.142	0.0020	mg/kg	0.150	ND	94.4	70-130	1.41	30	
Toluene	0.137	0.0050	"	0.150	ND	91.5	70-130	4.36	30	
Ethylbenzene	0.110	0.0050	"	0.150	ND	73.4	70-130	11.9	30	
m,p-Xylene	0.268	0.010	"	0.300	ND	89.3	70-130	13.8	30	
o-Xylene	0.105	0.0050	"	0.150	ND	70.1	70-130	9.66	30	
1,2,4-Trimethylbenzene	0.146	0.0050	"	0.150	ND	97.4	70-130	7.08	30	
1,3,5-Trimethylbenzene	0.146	0.0050	"	0.150	ND	97.3	70-130	7.26	30	
Naphthalene	0.132	0.0038	"	0.150	ND	87.8	70-130	3.69	30	
Surrogate: 1,2-Dichloroethane-d4	0.0400		"	0.0400		99.9	23-173			
Surrogate: Toluene-d8	0.0423		"	0.0400		106	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0074 - EPA 3550A

Blank (BEL0074-BLK1)

Prepared: 12/03/21 Analyzed: 12/04/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0074-BS1)

Prepared: 12/03/21 Analyzed: 12/04/21

C10-C28 (DRO)	492	50	mg/kg	500	98.5	70-130
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Matrix Spike (BEL0074-MS1)

Source: 2112052-01

Prepared: 12/03/21 Analyzed: 12/04/21

C10-C28 (DRO)	493	50	mg/kg	500	17.1	95.2	70-130
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Matrix Spike Dup (BEL0074-MSD1)

Source: 2112052-01

Prepared: 12/03/21 Analyzed: 12/04/21

C10-C28 (DRO)	497	50	mg/kg	500	17.1	96.1	70-130	0.903	20
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Batch BEL0113 - EPA 3550A

Blank (BEL0113-BLK1)

Prepared & Analyzed: 12/06/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0113-BS1)

Prepared: 12/06/21 Analyzed: 12/07/21

C10-C28 (DRO)	392	50	mg/kg	400	98.1	70-130
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Matrix Spike (BEL0113-MS1)

Source: 2112046-01

Prepared: 12/06/21 Analyzed: 12/07/21

C10-C28 (DRO)	346	50	mg/kg	400	35.6	77.7	70-130
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Matrix Spike Dup (BEL0113-MSD1)

Source: 2112046-01

Prepared: 12/06/21 Analyzed: 12/07/21

C10-C28 (DRO)	379	50	mg/kg	400	35.6	85.9	70-130	9.08	20
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result		%REC	Limits	RPD	Limit

Batch BEL0084 - EPA 5030 Soil MS

Blank (BEL0084-BLK1)

Prepared: 12/06/21 Analyzed: 12/08/21

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	0.0217		"	0.0333		65.2		40-150			
Surrogate: Fluoranthene-d10	0.0187		"	0.0333		56.0		40-150			

LCS (BEL0084-BS1)

Prepared: 12/06/21 Analyzed: 12/08/21

Acenaphthene	0.0259	0.00500	mg/kg	0.0333		77.7		31-137			
Anthracene	0.0266	0.00500	"	0.0333		79.8		30-120			
Benzo (a) anthracene	0.0243	0.00500	"	0.0333		72.9		30-120			
Benzo (a) pyrene	0.0265	0.00500	"	0.0333		79.6		30-120			
Benzo (b) fluoranthene	0.0281	0.00500	"	0.0333		84.3		30-120			
Benzo (k) fluoranthene	0.0320	0.00500	"	0.0333		95.9		30-120			
Chrysene	0.0257	0.00500	"	0.0333		77.2		30-120			
Dibenz (a,h) anthracene	0.0201	0.00500	"	0.0333		60.3		30-120			
Fluoranthene	0.0280	0.00500	"	0.0333		83.9		30-120			
Fluorene	0.0282	0.00500	"	0.0333		84.7		30-120			
Indeno (1,2,3-cd) pyrene	0.0117	0.00500	"	0.0333		35.2		30-120			
Pyrene	0.0264	0.00500	"	0.0333		79.3		35-142			
1-Methylnaphthalene	0.0278	0.00500	"	0.0333		83.4		35-142			
2-Methylnaphthalene	0.0282	0.00500	"	0.0333		84.7		35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0271		"	0.0333		81.4		40-150			
Surrogate: Fluoranthene-d10	0.0274		"	0.0333		82.2		40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0084 - EPA 5030 Soil MS

Matrix Spike (BEL0084-MS1)

Source: 2112042-01

Prepared: 12/06/21 Analyzed: 12/08/21

Acenaphthene	0.0215	0.00500	mg/kg	0.0333	ND	64.5	31-137		
Anthracene	0.0244	0.00500	"	0.0333	ND	73.1	30-120		
Benzo (a) anthracene	0.0245	0.00500	"	0.0333	ND	73.6	30-120		
Benzo (a) pyrene	0.0255	0.00500	"	0.0333	ND	76.6	30-120		
Benzo (b) fluoranthene	0.0277	0.00500	"	0.0333	ND	83.2	30-120		
Benzo (k) fluoranthene	0.0295	0.00500	"	0.0333	ND	88.6	30-120		
Chrysene	0.0238	0.00500	"	0.0333	ND	71.3	30-120		
Dibenz (a,h) anthracene	0.0185	0.00500	"	0.0333	ND	55.4	30-120		
Fluoranthene	0.0243	0.00500	"	0.0333	ND	73.0	30-120		
Fluorene	0.0234	0.00500	"	0.0333	ND	70.3	30-120		
Indeno (1,2,3-cd) pyrene	0.0119	0.00500	"	0.0333	ND	35.6	30-120		
Pyrene	0.0271	0.00500	"	0.0333	ND	81.2	35-142		
1-Methylnaphthalene	0.0227	0.00500	"	0.0333	ND	68.0	15-130		
2-Methylnaphthalene	0.0225	0.00500	"	0.0333	ND	67.6	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0234		"	0.0333		70.2	40-150		
Surrogate: Fluoranthene-d10	0.0259		"	0.0333		77.6	40-150		

Matrix Spike Dup (BEL0084-MSD1)

Source: 2112042-01

Prepared: 12/06/21 Analyzed: 12/08/21

Acenaphthene	0.0232	0.00500	mg/kg	0.0333	ND	69.7	31-137	7.72	30
Anthracene	0.0249	0.00500	"	0.0333	ND	74.8	30-120	2.31	30
Benzo (a) anthracene	0.0231	0.00500	"	0.0333	ND	69.2	30-120	6.06	30
Benzo (a) pyrene	0.0259	0.00500	"	0.0333	ND	77.6	30-120	1.27	30
Benzo (b) fluoranthene	0.0269	0.00500	"	0.0333	ND	80.7	30-120	3.08	30
Benzo (k) fluoranthene	0.0303	0.00500	"	0.0333	ND	90.8	30-120	2.50	30
Chrysene	0.0244	0.00500	"	0.0333	ND	73.2	30-120	2.62	30
Dibenz (a,h) anthracene	0.0193	0.00500	"	0.0333	ND	57.8	30-120	4.21	30
Fluoranthene	0.0269	0.00500	"	0.0333	ND	80.6	30-120	9.82	30
Fluorene	0.0255	0.00500	"	0.0333	ND	76.4	30-120	8.30	30
Indeno (1,2,3-cd) pyrene	0.0120	0.00500	"	0.0333	ND	36.0	30-120	1.21	30
Pyrene	0.0255	0.00500	"	0.0333	ND	76.4	35-142	6.06	30
1-Methylnaphthalene	0.0268	0.00500	"	0.0333	ND	80.4	15-130	16.7	50
2-Methylnaphthalene	0.0265	0.00500	"	0.0333	ND	79.4	15-130	16.1	50
Surrogate: 2-Methylnaphthalene-d10	0.0258		"	0.0333		77.3	40-150		
Surrogate: Fluoranthene-d10	0.0261		"	0.0333		78.2	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/10/21 10:08

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

December 15, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112092

Enclosed are the results of analyses for samples received by Summit Scientific on 12/06/21 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AA4S@31'	2112092-01	Soil	12/06/21 08:32	12/06/21 17:15
AA4B@33'	2112092-02	Soil	12/06/21 08:47	12/06/21 17:15
AS5@29'	2112092-03	Soil	12/06/21 08:53	12/06/21 17:15
F29N@31'	2112092-04	Soil	12/06/21 11:37	12/06/21 17:15
F29B@33'	2112092-05	Soil	12/06/21 11:50	12/06/21 17:15

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

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Address: 6855 W 119th Ave
City/State/Zip: Broomfield, CO 80020
Phone: 303-443-1228 Fax:
Sampler Name: Jackson Millsapovich

Project Manager: Chandler Cole / Jeb Watts
E-Mail: ccole@depmidstream.com; jwatts@tasman-geo.com; vscruggs@tasman-geo.com
Project Name: Parmlee #1
Project Number: _____

[illegible]

S₂

Sample Receipt Checklist

S2 Work Order# 2112092Client: DCP-Tasman Client Project ID: Darmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	<u>11.1</u>
-----------	-------------

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

12621
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

AA4S@31'
2112092-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/06/21 08:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0124	12/06/21	12/06/21	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: **12/06/21 08:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/06/21 08:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0126	12/06/21	12/06/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/06/21 08:32**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

AA4S@31'
2112092-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/06/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0128	12/07/21	12/10/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/06/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		86.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		75.3 %	40-150		"	"	"	"	

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

AA4B@33'
2112092-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/06/21 08:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0124	12/06/21	12/06/21	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: **12/06/21 08:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/06/21 08:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0126	12/06/21	12/06/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/06/21 08:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		110 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

AA4B@33'
2112092-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/06/21 08:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0128	12/07/21	12/10/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/06/21 08:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		83.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		77.5 %	40-150		"	"	"	"	

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

AS5@29'
2112092-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/06/21 08:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0124	12/06/21	12/06/21	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: **12/06/21 08:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/06/21 08:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0126	12/06/21	12/06/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/06/21 08:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		98.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

AS5@29'
2112092-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/06/21 08:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0128	12/07/21	12/10/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/06/21 08:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		74.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		65.8 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

F29N@31'
2112092-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/06/21 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0124	12/06/21	12/06/21	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: **12/06/21 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		99.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/06/21 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0126	12/06/21	12/06/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/06/21 11:37**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

F29N@31'
2112092-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/06/21 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0128	12/07/21	12/10/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/06/21 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		71.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		68.3 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

F29B@33'
2112092-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/06/21 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0124	12/06/21	12/06/21	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: **12/06/21 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/06/21 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0126	12/06/21	12/06/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/06/21 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		105 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

F29B@33'
2112092-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/06/21 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0128	12/07/21	12/10/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/06/21 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		81.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		73.2 %	40-150		"	"	"	"	

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0124 - EPA 5030 Soil MS

Blank (BEL0124-BLK1)

Prepared & Analyzed: 12/06/21

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	0.0441		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0428		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0427		"	0.0400		107	21-167			

LCS (BEL0124-BS1)

Prepared & Analyzed: 12/06/21

Benzene	0.0657	0.0020	mg/kg	0.0750		87.6	70-130			
Toluene	0.0745	0.0050	"	0.0750		99.3	70-130			
Ethylbenzene	0.0589	0.0050	"	0.0750		78.5	70-130			
m,p-Xylene	0.119	0.010	"	0.150		79.5	70-130			
o-Xylene	0.0640	0.0050	"	0.0750		85.3	70-130			
1,2,4-Trimethylbenzene	0.0611	0.0050	"	0.0750		81.5	70-130			
1,3,5-Trimethylbenzene	0.0608	0.0050	"	0.0750		81.0	70-130			
Naphthalene	0.0626	0.0038	"	0.0750		83.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0445		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0431		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0435		"	0.0400		109	21-167			

Matrix Spike (BEL0124-MS1)

Source: 2112086-01

Prepared & Analyzed: 12/06/21

Benzene	0.0729	0.0020	mg/kg	0.0750	ND	97.2	70-130			
Toluene	0.0817	0.0050	"	0.0750	ND	109	70-130			
Ethylbenzene	0.0640	0.0050	"	0.0750	ND	85.4	70-130			
m,p-Xylene	0.128	0.010	"	0.150	ND	85.0	70-130			
o-Xylene	0.0692	0.0050	"	0.0750	ND	92.3	70-130			
1,2,4-Trimethylbenzene	0.0678	0.0050	"	0.0750	ND	90.4	70-130			
1,3,5-Trimethylbenzene	0.0670	0.0050	"	0.0750	ND	89.3	70-130			
Naphthalene	0.0775	0.0038	"	0.0750	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0450		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0437		"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene	0.0428		"	0.0400		107	21-167			

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0124 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0124-MSD1)	Source: 2112086-01			Prepared: 12/06/21 Analyzed: 12/07/21						
Benzene	0.0784	0.0020	mg/kg	0.0750	ND	105	70-130	7.25	30	
Toluene	0.0908	0.0050	"	0.0750	ND	121	70-130	10.5	30	
Ethylbenzene	0.0724	0.0050	"	0.0750	ND	96.6	70-130	12.3	30	
m,p-Xylene	0.143	0.010	"	0.150	ND	95.5	70-130	11.6	30	
o-Xylene	0.0762	0.0050	"	0.0750	ND	102	70-130	9.57	30	
1,2,4-Trimethylbenzene	0.0739	0.0050	"	0.0750	ND	98.5	70-130	8.60	30	
1,3,5-Trimethylbenzene	0.0748	0.0050	"	0.0750	ND	99.8	70-130	11.0	30	
Naphthalene	0.0859	0.0038	"	0.0750	ND	115	70-130	10.3	30	
Surrogate: 1,2-Dichloroethane-d4	0.0439		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0437		"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0126 - EPA 3550A

Blank (BEL0126-BLK1)

Prepared & Analyzed: 12/06/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0126-BS1)

Prepared & Analyzed: 12/06/21

C10-C28 (DRO)	534	50	mg/kg	500	107	70-130
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Matrix Spike (BEL0126-MS1)

Source: 2112086-01

Prepared & Analyzed: 12/06/21

C10-C28 (DRO)	516	50	mg/kg	500	24.9	98.3	70-130
---------------	-----	----	-------	-----	------	------	--------

Matrix Spike Dup (BEL0126-MSD1)

Source: 2112086-01

Prepared & Analyzed: 12/06/21

C10-C28 (DRO)	513	50	mg/kg	500	24.9	97.6	70-130	0.673	20
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Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0128 - EPA 5030 Soil MS

Blank (BEL0128-BLK1)

Prepared: 12/07/21 Analyzed: 12/09/21

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	0.0273		"	0.0333		81.8	40-150			
Surrogate: Fluoranthene-d10	0.0249		"	0.0333		74.6	40-150			

LCS (BEL0128-BS1)

Prepared: 12/07/21 Analyzed: 12/10/21

Acenaphthene	0.0267	0.00500	mg/kg	0.0333		80.1	31-137			
Anthracene	0.0274	0.00500	"	0.0333		82.1	30-120			
Benzo (a) anthracene	0.0256	0.00500	"	0.0333		76.7	30-120			
Benzo (a) pyrene	0.0275	0.00500	"	0.0333		82.5	30-120			
Benzo (b) fluoranthene	0.0296	0.00500	"	0.0333		88.8	30-120			
Benzo (k) fluoranthene	0.0329	0.00500	"	0.0333		98.6	30-120			
Chrysene	0.0270	0.00500	"	0.0333		80.9	30-120			
Dibenz (a,h) anthracene	0.0212	0.00500	"	0.0333		63.6	30-120			
Fluoranthene	0.0272	0.00500	"	0.0333		81.7	30-120			
Fluorene	0.0294	0.00500	"	0.0333		88.1	30-120			
Indeno (1,2,3-cd) pyrene	0.0137	0.00500	"	0.0333		41.1	30-120			
Pyrene	0.0289	0.00500	"	0.0333		86.8	35-142			
1-Methylnaphthalene	0.0290	0.00500	"	0.0333		87.1	35-142			
2-Methylnaphthalene	0.0292	0.00500	"	0.0333		87.5	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0300		"	0.0333		90.1	40-150			
Surrogate: Fluoranthene-d10	0.0281		"	0.0333		84.2	40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0128 - EPA 5030 Soil MS

Matrix Spike (BEL0128-MS1)

Source: 2112049-01

Prepared: 12/07/21 Analyzed: 12/10/21

Acenaphthene	0.0198	0.00500	mg/kg	0.0333	ND	59.4	31-137		
Anthracene	0.0204	0.00500	"	0.0333	ND	61.1	30-120		
Benzo (a) anthracene	0.0199	0.00500	"	0.0333	ND	59.8	30-120		
Benzo (a) pyrene	0.0214	0.00500	"	0.0333	ND	64.1	30-120		
Benzo (b) fluoranthene	0.0227	0.00500	"	0.0333	ND	68.1	30-120		
Benzo (k) fluoranthene	0.0256	0.00500	"	0.0333	ND	76.9	30-120		
Chrysene	0.0214	0.00500	"	0.0333	ND	64.1	30-120		
Dibenz (a,h) anthracene	0.0162	0.00500	"	0.0333	ND	48.7	30-120		
Fluoranthene	0.0213	0.00500	"	0.0333	ND	64.0	30-120		
Fluorene	0.0218	0.00500	"	0.0333	ND	65.5	30-120		
Indeno (1,2,3-cd) pyrene	0.0196	0.00500	"	0.0333	ND	58.8	30-120		
Pyrene	0.0237	0.00500	"	0.0333	ND	71.1	35-142		
1-Methylnaphthalene	0.0213	0.00500	"	0.0333	ND	64.0	15-130		
2-Methylnaphthalene	0.0216	0.00500	"	0.0333	ND	64.8	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0209		"	0.0333		62.6	40-150		
Surrogate: Fluoranthene-d10	0.0216		"	0.0333		64.8	40-150		

Matrix Spike Dup (BEL0128-MSD1)

Source: 2112049-01

Prepared: 12/07/21 Analyzed: 12/10/21

Acenaphthene	0.0209	0.00500	mg/kg	0.0333	ND	62.8	31-137	5.49	30
Anthracene	0.0199	0.00500	"	0.0333	ND	59.8	30-120	2.08	30
Benzo (a) anthracene	0.0190	0.00500	"	0.0333	ND	57.1	30-120	4.59	30
Benzo (a) pyrene	0.0205	0.00500	"	0.0333	ND	61.4	30-120	4.17	30
Benzo (b) fluoranthene	0.0213	0.00500	"	0.0333	ND	64.0	30-120	6.18	30
Benzo (k) fluoranthene	0.0246	0.00500	"	0.0333	ND	73.9	30-120	4.02	30
Chrysene	0.0205	0.00500	"	0.0333	ND	61.5	30-120	4.18	30
Dibenz (a,h) anthracene	0.0154	0.00500	"	0.0333	ND	46.2	30-120	5.29	30
Fluoranthene	0.0209	0.00500	"	0.0333	ND	62.7	30-120	1.93	30
Fluorene	0.0208	0.00500	"	0.0333	ND	62.5	30-120	4.59	30
Indeno (1,2,3-cd) pyrene	0.0195	0.00500	"	0.0333	ND	58.4	30-120	0.728	30
Pyrene	0.0223	0.00500	"	0.0333	ND	67.0	35-142	6.03	30
1-Methylnaphthalene	0.0219	0.00500	"	0.0333	ND	65.6	15-130	2.41	50
2-Methylnaphthalene	0.0219	0.00500	"	0.0333	ND	65.8	15-130	1.61	50
Surrogate: 2-Methylnaphthalene-d10	0.0207		"	0.0333		62.2	40-150		
Surrogate: Fluoranthene-d10	0.0210		"	0.0333		63.1	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/15/21 12:29

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

December 16, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112123

Enclosed are the results of analyses for samples received by Summit Scientific on 12/07/21 15:01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
F28N@31'	2112123-01	Soil	12/07/21 09:16	12/07/21 15:01
F28B@33'	2112123-02	Soil	12/07/21 09:26	12/07/21 15:01
F27B@33'	2112123-03	Soil	12/07/21 12:59	12/07/21 15:01

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

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Sampler Name: Jackson Millasovich

Project Number:

www.s2scientific.com

S₂

Sample Receipt Checklist

S2 Work Order# 2112123Client: PCP/TasmanClient Project ID: Parmlee#1Shipped Via: ☐ H.D. ☒ P.U. ☐ FedEx ☐ UPS ☐ USPS ☐ Other

Airbill #: _____

Matrix (check all that apply): ☐ Air☒ Soil/Solid☐ Water☐ Other: _____

(Describe)

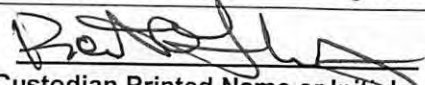
Temp (°C)

17.1

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

12-7-21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

F28N@31'
2112123-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/07/21 09:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0151	12/07/21	12/07/21	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: **12/07/21 09:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		115 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		113 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/07/21 09:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0152	12/07/21	12/07/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/07/21 09:16**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		68.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

F28N@31'
2112123-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/07/21 09:16**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0153	12/08/21	12/12/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 09:16**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		56.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		56.4 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

F28B@33'
2112123-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/07/21 09:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0151	12/07/21	12/07/21	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: **12/07/21 09:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		94.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		118 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/07/21 09:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0152	12/07/21	12/07/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/07/21 09:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		89.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

F28B@33'
2112123-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/07/21 09:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0153	12/08/21	12/12/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 09:26**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		58.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		68.1 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

F27B@33'
2112123-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/07/21 12:59**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0151	12/07/21	12/07/21	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: **12/07/21 12:59**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/07/21 12:59**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0152	12/07/21	12/07/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:59**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		93.1 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

F27B@33'
2112123-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/07/21 12:59**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0153	12/08/21	12/12/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:59**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		74.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		81.0 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0151 - EPA 5030 Soil MS

Blank (BEL0151-BLK1)

Prepared & Analyzed: 12/07/21

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	0.0461		"	0.0400		115	23-173			
Surrogate: Toluene-d8	0.0457		"	0.0400		114	20-170			
Surrogate: 4-Bromofluorobenzene	0.0433		"	0.0400		108	21-167			

LCS (BEL0151-BS1)

Prepared & Analyzed: 12/07/21

Benzene	0.0645	0.0020	mg/kg	0.0750		86.0	70-130			
Toluene	0.0718	0.0050	"	0.0750		95.7	70-130			
Ethylbenzene	0.0542	0.0050	"	0.0750		72.2	70-130			
m,p-Xylene	0.110	0.010	"	0.150		73.1	70-130			
o-Xylene	0.0588	0.0050	"	0.0750		78.4	70-130			
1,2,4-Trimethylbenzene	0.0564	0.0050	"	0.0750		75.2	70-130			
1,3,5-Trimethylbenzene	0.0565	0.0050	"	0.0750		75.3	70-130			
Naphthalene	0.0581	0.0038	"	0.0750		77.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0439		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0437		"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene	0.0424		"	0.0400		106	21-167			

Matrix Spike (BEL0151-MS1)

Source: 2112123-01

Prepared & Analyzed: 12/07/21

Benzene	0.0634	0.0020	mg/kg	0.0750	ND	84.5	70-130			
Toluene	0.0751	0.0050	"	0.0750	ND	100	70-130			
Ethylbenzene	0.0591	0.0050	"	0.0750	ND	78.8	70-130			
m,p-Xylene	0.119	0.010	"	0.150	ND	79.2	70-130			
o-Xylene	0.0636	0.0050	"	0.0750	ND	84.8	70-130			
1,2,4-Trimethylbenzene	0.0630	0.0050	"	0.0750	ND	84.0	70-130			
1,3,5-Trimethylbenzene	0.0758	0.0050	"	0.0750	ND	101	70-130			
Naphthalene	0.0652	0.0038	"	0.0750	ND	87.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0440		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0446		"	0.0400		111	20-170			
Surrogate: 4-Bromofluorobenzene	0.0432		"	0.0400		108	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0151 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0151-MSD1)		Source: 2112123-01			Prepared & Analyzed: 12/07/21					
Benzene	0.0629	0.0020	mg/kg	0.0750	ND	83.9	70-130	0.713	30	
Toluene	0.0722	0.0050	"	0.0750	ND	96.2	70-130	3.95	30	
Ethylbenzene	0.0562	0.0050	"	0.0750	ND	74.9	70-130	5.10	30	
m,p-Xylene	0.114	0.010	"	0.150	ND	75.8	70-130	4.33	30	
o-Xylene	0.0609	0.0050	"	0.0750	ND	81.2	70-130	4.38	30	
1,2,4-Trimethylbenzene	0.0603	0.0050	"	0.0750	ND	80.4	70-130	4.38	30	
1,3,5-Trimethylbenzene	0.0801	0.0050	"	0.0750	ND	107	70-130	5.58	30	
Naphthalene	0.0686	0.0038	"	0.0750	ND	91.4	70-130	4.93	30	
Surrogate: 1,2-Dichloroethane-d4		0.0459	"	0.0400		115	23-173			
Surrogate: Toluene-d8		0.0440	"	0.0400		110	20-170			
Surrogate: 4-Bromofluorobenzene		0.0427	"	0.0400		107	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0152 - EPA 3550A

Blank (BEL0152-BLK1)

Prepared & Analyzed: 12/07/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0152-BS1)

Prepared & Analyzed: 12/07/21

C10-C28 (DRO)	478	50	mg/kg	500	95.5	70-130
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Matrix Spike (BEL0152-MS1)

Source: 2112123-01

Prepared & Analyzed: 12/07/21

C10-C28 (DRO)	536	50	mg/kg	500	ND	107	70-130
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Matrix Spike Dup (BEL0152-MSD1)

Source: 2112123-01

Prepared & Analyzed: 12/07/21

C10-C28 (DRO)	483	50	mg/kg	500	ND	96.5	70-130	10.4	20
---------------	-----	----	-------	-----	----	------	--------	------	----

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0153 - EPA 5030 Soil MS

Blank (BEL0153-BLK1)

Prepared: 12/08/21 Analyzed: 12/11/21

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	0.0271		"	0.0333		81.4	40-150			
Surrogate: Fluoranthene-d10	0.0282		"	0.0333		84.7	40-150			

LCS (BEL0153-BS1)

Prepared: 12/08/21 Analyzed: 12/11/21

Acenaphthene	0.0303	0.00500	mg/kg	0.0333	90.8	31-137
Anthracene	0.0293	0.00500	"	0.0333	87.9	30-120
Benzo (a) anthracene	0.0276	0.00500	"	0.0333	82.8	30-120
Benzo (a) pyrene	0.0300	0.00500	"	0.0333	89.9	30-120
Benzo (b) fluoranthene	0.0321	0.00500	"	0.0333	96.2	30-120
Benzo (k) fluoranthene	0.0366	0.00500	"	0.0333	110	30-120
Chrysene	0.0294	0.00500	"	0.0333	88.2	30-120
Dibenz (a,h) anthracene	0.0231	0.00500	"	0.0333	69.2	30-120
Fluoranthene	0.0305	0.00500	"	0.0333	91.5	30-120
Fluorene	0.0329	0.00500	"	0.0333	98.8	30-120
Indeno (1,2,3-cd) pyrene	0.0138	0.00500	"	0.0333	41.4	30-120
Pyrene	0.0303	0.00500	"	0.0333	90.8	35-142
1-Methylnaphthalene	0.0281	0.00500	"	0.0333	84.3	35-142
2-Methylnaphthalene	0.0274	0.00500	"	0.0333	82.3	35-142
Surrogate: 2-Methylnaphthalene-d10	0.0288		"	0.0333	86.4	40-150
Surrogate: Fluoranthene-d10	0.0309		"	0.0333	92.6	40-150

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0153 - EPA 5030 Soil MS

Matrix Spike (BEL0153-MS1)

Source: 2112046-01

Prepared: 12/08/21 Analyzed: 12/11/21

Acenaphthene	0.0213	0.00500	mg/kg	0.0333	ND	63.9	31-137		
Anthracene	0.0226	0.00500	"	0.0333	ND	67.8	30-120		
Benzo (a) anthracene	0.0218	0.00500	"	0.0333	ND	65.4	30-120		
Benzo (a) pyrene	0.0233	0.00500	"	0.0333	ND	69.9	30-120		
Benzo (b) fluoranthene	0.0252	0.00500	"	0.0333	ND	75.6	30-120		
Benzo (k) fluoranthene	0.0291	0.00500	"	0.0333	ND	87.3	30-120		
Chrysene	0.0242	0.00500	"	0.0333	ND	72.5	30-120		
Dibenz (a,h) anthracene	0.0158	0.00500	"	0.0333	ND	47.4	30-120		
Fluoranthene	0.0237	0.00500	"	0.0333	ND	71.2	30-120		
Fluorene	0.0233	0.00500	"	0.0333	ND	70.0	30-120		
Indeno (1,2,3-cd) pyrene	0.0227	0.00500	"	0.0333	ND	68.2	30-120		
Pyrene	0.0263	0.00500	"	0.0333	ND	79.0	35-142		
1-Methylnaphthalene	0.0201	0.00500	"	0.0333	ND	60.3	15-130		
2-Methylnaphthalene	0.0207	0.00500	"	0.0333	ND	62.0	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0190		"	0.0333		56.9	40-150		
Surrogate: Fluoranthene-d10	0.0236		"	0.0333		70.8	40-150		

Matrix Spike Dup (BEL0153-MSD1)

Source: 2112046-01

Prepared: 12/08/21 Analyzed: 12/11/21

Acenaphthene	0.0217	0.00500	mg/kg	0.0333	ND	65.0	31-137	1.64	30
Anthracene	0.0223	0.00500	"	0.0333	ND	66.8	30-120	1.58	30
Benzo (a) anthracene	0.0210	0.00500	"	0.0333	ND	62.9	30-120	3.93	30
Benzo (a) pyrene	0.0226	0.00500	"	0.0333	ND	67.8	30-120	2.97	30
Benzo (b) fluoranthene	0.0251	0.00500	"	0.0333	ND	75.4	30-120	0.234	30
Benzo (k) fluoranthene	0.0289	0.00500	"	0.0333	ND	86.6	30-120	0.811	30
Chrysene	0.0238	0.00500	"	0.0333	ND	71.3	30-120	1.59	30
Dibenz (a,h) anthracene	0.0142	0.00500	"	0.0333	ND	42.5	30-120	10.9	30
Fluoranthene	0.0237	0.00500	"	0.0333	ND	71.1	30-120	0.114	30
Fluorene	0.0233	0.00500	"	0.0333	ND	70.0	30-120	0.0129	30
Indeno (1,2,3-cd) pyrene	0.0221	0.00500	"	0.0333	ND	66.2	30-120	3.02	30
Pyrene	0.0263	0.00500	"	0.0333	ND	78.9	35-142	0.0659	30
1-Methylnaphthalene	0.0202	0.00500	"	0.0333	ND	60.7	15-130	0.659	50
2-Methylnaphthalene	0.0198	0.00500	"	0.0333	ND	59.4	15-130	4.30	50
Surrogate: 2-Methylnaphthalene-d10	0.0201		"	0.0333		60.2	40-150		
Surrogate: Fluoranthene-d10	0.0242		"	0.0333		72.6	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 08:23

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

December 16, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

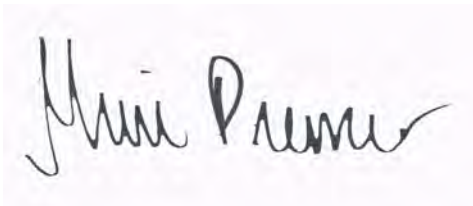
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112159

Enclosed are the results of analyses for samples received by Summit Scientific on 12/08/21 15:21. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", on a light pink background.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
F26N@31'	2112159-01	Soil	12/08/21 08:05	12/08/21 15:21
F26B@33'	2112159-02	Soil	12/08/21 08:19	12/08/21 15:21
F25B@33'	2112159-03	Soil	12/08/21 10:19	12/08/21 15:21
G32N@29'	2112159-04	Soil	12/08/21 11:09	12/08/21 15:21
G32B@33'	2112159-05	Soil	12/08/21 11:17	12/08/21 15:21
C10W@31'	2112159-06	Soil	12/08/21 13:30	12/08/21 15:21
C10B@33'	2112159-07	Soil	12/08/21 13:40	12/08/21 15:21

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.

2112159

Page 1 of 1

Project Number:

www.s2scientific.com

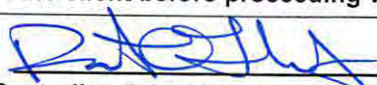
S₂

Sample Receipt Checklist

S2 Work Order# 2112159Client: DCP-Tasman Client Project ID: Parmlee#1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) 11.0

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
<p>⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.</p>				


 Custodian Printed Name or Initials

12.8.21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

F26N@31'
2112159-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/08/21 08:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	0.0070	0.0020		mg/kg	1	BEL0176	12/08/21	12/09/21	EPA 8260B	
Toluene	0.063	0.0050		"	"	"	"	"	"	
Ethylbenzene	0.11	0.0050		"	"	"	"	"	"	
Xylenes (total)	0.67	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.38	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.17	0.0050		"	"	"	"	"	"	
Naphthalene	0.046	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	14	0.50		"	"	"	"	"	"	

Date Sampled: **12/08/21 08:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		99.6 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		128 %		21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/08/21 08:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	340	50		mg/kg	1	BEL0177	12/08/21	12/08/21	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **12/08/21 08:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl		130 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

F26N@31'
2112159-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/08/21 08:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	0.307	0.0500	mg/kg	10	BEL0179	12/09/21	12/14/21	EPA 8270D SIM	
2-Methylnaphthalene	0.490	0.0500	"	"	"	"	"	"	

Date Sampled: **12/08/21 08:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		68.7 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

F26B@33'
2112159-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/08/21 08:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.0042	0.0020	mg/kg	1	BEL0176	12/08/21	12/08/21	EPA 8260B	
Toluene	0.025	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.011	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.068	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.010	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.2	0.50	"	"	"	"	"	"	

Date Sampled: **12/08/21 08:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/08/21 08:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0177	12/08/21	12/08/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/08/21 08:19**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		127 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

F26B@33'
2112159-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/08/21 08:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0179	12/09/21	12/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/08/21 08:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		54.8 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

F25B@33'
2112159-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/08/21 10:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0176	12/08/21	12/08/21	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: **12/08/21 10:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/08/21 10:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0177	12/08/21	12/08/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/08/21 10:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		109 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

F25B@33'
2112159-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/08/21 10:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0179	12/09/21	12/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/08/21 10:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		42.9 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

G32N@29'
2112159-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/08/21 11:09**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0176	12/08/21	12/08/21	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: **12/08/21 11:09**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/08/21 11:09**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0177	12/08/21	12/08/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/08/21 11:09**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		87.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

G32N@29'
2112159-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/08/21 11:09**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0179	12/09/21	12/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/08/21 11:09**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		61.4 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

G32B@33'
2112159-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/08/21 11:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0176	12/08/21	12/09/21	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: **12/08/21 11:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/08/21 11:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0177	12/08/21	12/08/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/08/21 11:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

G32B@33'
2112159-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/08/21 11:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0179	12/09/21	12/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/08/21 11:17**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		44.3 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

C10W@31'
2112159-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/08/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0176	12/08/21	12/09/21	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: **12/08/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/08/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0177	12/08/21	12/08/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/08/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		104 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

C10W@31'
2112159-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/08/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0179	12/09/21	12/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/08/21 13:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		49.9 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

C10B@33'
2112159-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/08/21 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0176	12/08/21	12/09/21	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: **12/08/21 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/08/21 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0177	12/08/21	12/08/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/08/21 13:40**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

C10B@33'
2112159-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/08/21 13:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0179	12/09/21	12/14/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/08/21 13:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		49.2 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0176 - EPA 5030 Soil MS

Blank (BEL0176-BLK1)

Prepared: 12/08/21 Analyzed: 12/09/21

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	0.0404		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0403		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	21-167			

LCS (BEL0176-BS1)

Prepared: 12/08/21 Analyzed: 12/09/21

Benzene	0.115	0.0020	mg/kg	0.100		115	70-130			
Toluene	0.109	0.0050	"	0.100		109	70-130			
Ethylbenzene	0.0988	0.0050	"	0.100		98.8	70-130			
m,p-Xylene	0.199	0.010	"	0.200		99.4	70-130			
o-Xylene	0.0972	0.0050	"	0.100		97.2	70-130			
1,2,4-Trimethylbenzene	0.0924	0.0050	"	0.100		92.4	70-130			
1,3,5-Trimethylbenzene	0.0902	0.0050	"	0.100		90.2	70-130			
Naphthalene	0.0793	0.0038	"	0.100		79.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400		101	21-167			

Matrix Spike (BEL0176-MS1)

Source: 2112155-01

Prepared: 12/08/21 Analyzed: 12/09/21

Benzene	0.106	0.0020	mg/kg	0.100	ND	106	70-130			
Toluene	0.100	0.0050	"	0.100	ND	100	70-130			
Ethylbenzene	0.0893	0.0050	"	0.100	ND	89.3	70-130			
m,p-Xylene	0.178	0.010	"	0.200	ND	88.9	70-130			
o-Xylene	0.0865	0.0050	"	0.100	ND	86.5	70-130			
1,2,4-Trimethylbenzene	0.0794	0.0050	"	0.100	ND	79.4	70-130			
1,3,5-Trimethylbenzene	0.0785	0.0050	"	0.100	ND	78.5	70-130			
Naphthalene	0.0720	0.0038	"	0.100	ND	72.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0415		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0176 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0176-MSD1)	Source: 2112155-01			Prepared: 12/08/21 Analyzed: 12/09/21						
Benzene	0.0995	0.0020	mg/kg	0.100	ND	99.5	70-130	6.70	30	
Toluene	0.0933	0.0050	"	0.100	ND	93.3	70-130	7.40	30	
Ethylbenzene	0.0812	0.0050	"	0.100	ND	81.2	70-130	9.54	30	
m,p-Xylene	0.164	0.010	"	0.200	ND	81.8	70-130	8.33	30	
o-Xylene	0.0809	0.0050	"	0.100	ND	80.9	70-130	6.63	30	
1,2,4-Trimethylbenzene	0.0812	0.0050	"	0.100	ND	81.2	70-130	2.28	30	
1,3,5-Trimethylbenzene	0.0815	0.0050	"	0.100	ND	81.5	70-130	3.75	30	
Naphthalene	0.0785	0.0038	"	0.100	ND	78.5	70-130	8.65	30	
Surrogate: 1,2-Dichloroethane-d4	0.0419		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0411		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0177 - EPA 3550A

Blank (BEL0177-BLK1)

Prepared & Analyzed: 12/08/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0177-BS1)

Prepared & Analyzed: 12/08/21

C10-C28 (DRO)	395	50	mg/kg	500	79.1	70-130
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Matrix Spike (BEL0177-MS1)

Source: 2112155-01

Prepared & Analyzed: 12/08/21

C10-C28 (DRO)	482	50	mg/kg	500	39.2	88.6	70-130
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Matrix Spike Dup (BEL0177-MSD1)

Source: 2112155-01

Prepared: 12/08/21 Analyzed: 12/09/21

C10-C28 (DRO)	450	50	mg/kg	500	39.2	82.2	70-130	6.89	20
---------------	-----	----	-------	-----	------	------	--------	------	----

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0179 - EPA 5030 Soil MS

Blank (BEL0179-BLK1)

Prepared: 12/09/21 Analyzed: 12/13/21

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	0.0393		"	0.0333		118	40-150			
Surrogate: Fluoranthene-d10	0.0268		"	0.0333		80.4	40-150			

LCS (BEL0179-BS1)

Prepared: 12/09/21 Analyzed: 12/13/21

Acenaphthene	0.0289	0.00500	mg/kg	0.0333	86.8	31-137
Anthracene	0.0283	0.00500	"	0.0333	84.9	30-120
Benzo (a) anthracene	0.0262	0.00500	"	0.0333	78.6	30-120
Benzo (a) pyrene	0.0274	0.00500	"	0.0333	82.3	30-120
Benzo (b) fluoranthene	0.0294	0.00500	"	0.0333	88.2	30-120
Benzo (k) fluoranthene	0.0250	0.00500	"	0.0333	75.0	30-120
Chrysene	0.0287	0.00500	"	0.0333	86.2	30-120
Dibenz (a,h) anthracene	0.0132	0.00500	"	0.0333	39.5	30-120
Fluoranthene	0.0243	0.00500	"	0.0333	72.8	30-120
Fluorene	0.0332	0.00500	"	0.0333	99.6	30-120
Indeno (1,2,3-cd) pyrene	0.0185	0.00500	"	0.0333	55.4	30-120
Pyrene	0.0232	0.00500	"	0.0333	69.6	35-142
1-Methylnaphthalene	0.0287	0.00500	"	0.0333	86.1	35-142
2-Methylnaphthalene	0.0304	0.00500	"	0.0333	91.3	35-142
Surrogate: 2-Methylnaphthalene-d10	0.0273		"	0.0333	81.8	40-150
Surrogate: Fluoranthene-d10	0.0252		"	0.0333	75.7	40-150

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0179 - EPA 5030 Soil MS

Matrix Spike (BEL0179-MS1)

Source: 2112067-01

Prepared: 12/09/21 Analyzed: 12/13/21

Acenaphthene	0.0224	0.00500	mg/kg	0.0333	ND	67.2	31-137			
Anthracene	0.0248	0.00500	"	0.0333	0.0118	39.1	30-120			
Benzo (a) anthracene	0.0245	0.00500	"	0.0333	0.0196	14.9	30-120			QM-07
Benzo (a) pyrene	0.0248	0.00500	"	0.0333	ND	74.3	30-120			
Benzo (b) fluoranthene	0.0375	0.00500	"	0.0333	0.0322	15.8	30-120			QM-07
Benzo (k) fluoranthene	0.0408	0.00500	"	0.0333	0.0144	79.3	30-120			
Chrysene	0.0277	0.00500	"	0.0333	0.0220	17.1	30-120			QM-07
Dibenz (a,h) anthracene	0.0161	0.00500	"	0.0333	ND	48.2	30-120			
Fluoranthene	0.0322	0.00500	"	0.0333	0.0589	NR	30-120			QM-07
Fluorene	0.0261	0.00500	"	0.0333	ND	78.4	30-120			
Indeno (1,2,3-cd) pyrene	0.0149	0.00500	"	0.0333	ND	44.7	30-120			
Pyrene	0.0589	0.00500	"	0.0333	0.0911	NR	35-142			QM-07
1-Methylnaphthalene	0.0268	0.00500	"	0.0333	ND	80.3	15-130			
2-Methylnaphthalene	0.0270	0.00500	"	0.0333	ND	81.1	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0251		"	0.0333		75.3	40-150			
Surrogate: Fluoranthene-d10	0.0207		"	0.0333		62.1	40-150			

Matrix Spike Dup (BEL0179-MSD1)

Source: 2112067-01

Prepared: 12/09/21 Analyzed: 12/13/21

Acenaphthene	0.0186	0.00500	mg/kg	0.0333	ND	55.7	31-137	18.7	30	
Anthracene	0.0201	0.00500	"	0.0333	0.0118	24.8	30-120	21.2	30	QM-07
Benzo (a) anthracene	0.0190	0.00500	"	0.0333	0.0196	NR	30-120	25.2	30	QM-07
Benzo (a) pyrene	0.0202	0.00500	"	0.0333	ND	60.6	30-120	20.2	30	
Benzo (b) fluoranthene	0.0295	0.00500	"	0.0333	0.0322	NR	30-120	24.0	30	QM-07
Benzo (k) fluoranthene	0.0329	0.00500	"	0.0333	0.0144	55.6	30-120	21.5	30	
Chrysene	0.0224	0.00500	"	0.0333	0.0220	1.15	30-120	21.2	30	QM-07
Dibenz (a,h) anthracene	0.0157	0.00500	"	0.0333	ND	47.1	30-120	2.33	30	
Fluoranthene	0.0209	0.00500	"	0.0333	0.0589	NR	30-120	42.7	30	QM-07
Fluorene	0.0201	0.00500	"	0.0333	ND	60.2	30-120	26.3	30	
Indeno (1,2,3-cd) pyrene	0.0104	0.00500	"	0.0333	ND	31.2	30-120	35.6	30	QM-07
Pyrene	0.0444	0.00500	"	0.0333	0.0911	NR	35-142	27.9	30	QM-07
1-Methylnaphthalene	0.0220	0.00500	"	0.0333	ND	65.9	15-130	19.8	50	
2-Methylnaphthalene	0.0224	0.00500	"	0.0333	ND	67.3	15-130	18.6	50	
Surrogate: 2-Methylnaphthalene-d10	0.0201		"	0.0333		60.4	40-150			
Surrogate: Fluoranthene-d10	0.0180		"	0.0333		53.9	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/16/21 19:01

Notes and Definitions

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.
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

December 20, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112192

Enclosed are the results of analyses for samples received by Summit Scientific on 12/09/21 16:16. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
D15W@31'	2112192-01	Soil	12/09/21 08:32	12/09/21 16:16
D15B@33'	2112192-02	Soil	12/09/21 08:44	12/09/21 16:16
C10S@29'	2112192-03	Soil	12/09/21 10:00	12/09/21 16:16
F26B@33.5'	2112192-04	Soil	12/09/21 10:08	12/09/21 16:16
G31N@31'	2112192-05	Soil	12/09/21 11:51	12/09/21 16:16
G31B@33'	2112192-06	Soil	12/09/21 12:01	12/09/21 16:16
E19W@31'	2112192-07	Soil	12/09/21 12:51	12/09/21 16:16
E20S@31'	2112192-08	Soil	12/09/21 13:03	12/09/21 16:16
F24W@31'	2112192-09	Soil	12/09/21 14:21	12/09/21 16:16
F24B@33'	2112192-10	Soil	12/09/21 14:30	12/09/21 16:16

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.

2112192

Summit Scientific

741 Corporate Circle Suite I ♦ Golden, Colorado 80401

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1Client: Tasman - DLPAddress: 6855 W. 119th AveCity/State/Zip: Broomfield, CO 80020Phone: 303-483-1224 Fax: Sampler Name: Jackson MillasovichProject Manager: Chandler Cole / Jeb WattsE-Mail: ccole@edgmidstream.com; jwatts@tasman-geo.com; vsernyy@tasman-geo.comProject Name: Parmlee #1Project Number:

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix		Analyze For:										Special Instructions				
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	Table 415-1 VOLs	Table 415-1 TPH	Table 415-1 1,1,2-methylpropylbenzene										
D15W@31'	12/04/21	832	2			X			X			X	X	X										
D15B@33'	12/04/21	844	2			X			X			X	X	X										
C10S@29'	12/04/21	1000	2			X			X			X	X	X										
F26B@33.5'	12/04/21	1008	2			X			X			X	X	X										
G31N@31'	12/04/21	1151	2			X			X			X	X	X										
G31B@33'	12/04/21	1201	2			X			X			X	X	X										
E19W@31'	12/04/21	1251	2			X			X			X	X	X										
E20S@31'	12/04/21	1303	2			X			X			X	X	X										
F024W@31'	12/04/21	1421	2			X			X			X	X	X										
F24B@33'	12/04/21	1430	2			X			X			X	X	X										
Relinquished by: <u>Jackson Millasovich</u>				Date/Time: <u>12/04/21</u> <u>T: 1615</u>				Received by: <u>Tasman</u> <u>Look box</u>				Date/Time: <u>12/04/21</u> <u>T: 1615</u>				Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/>				Notes: <u>Bill to</u> <u>DLP</u>				
Relinquished by:				Date/Time:				Received by:				Date/Time: <u>12/9/21</u> <u>1615</u>				Sample Integrity: Temperature Upon Receipt: <u>6.1</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:												

S₂

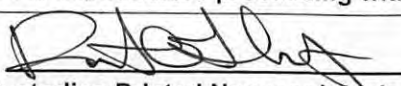
Sample Receipt Checklist

S2 Work Order# 2112192Client: DCP-Tasman Client Project ID: Parmleett#1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) 6.1

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sameday
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sameday
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

12.9.21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

D15W@31'
2112192-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		122 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		116 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		126 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/09/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

D15W@31'
2112192-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 08:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		64.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		63.8 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

D15B@33'
2112192-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 08:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 08:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 08:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/09/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 08:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		94.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

D15B@33'
2112192-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 08:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 08:44**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		58.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		66.8 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

C10S@29'
2112192-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		124 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		112 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/09/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		95.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

C10S@29'
2112192-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		66.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		66.3 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

F26B@33.5'
2112192-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 10:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.013	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	0.0061	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/09/21 10:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 10:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 10:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		98.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

F26B@33.5'
2112192-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 10:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 10:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		52.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		69.9 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

G31N@31'
2112192-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 11:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 11:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		118 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		111 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 11:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 11:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		101 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

G31N@31'
2112192-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 11:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 11:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		84.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		87.3 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

G31B@33'
2112192-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 12:01**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.010	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 12:01**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		117 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		111 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 12:01**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 12:01**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		112 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

G31B@33'
2112192-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 12:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 12:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		127 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		134 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

E19W@31'
2112192-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 12:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 12:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 12:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 12:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		92.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

E19W@31'
2112192-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 12:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 12:51**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		88.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		87.1 %	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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

E20S@31'
2112192-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 13:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 13:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 13:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 13:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		83.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

E20S@31'
2112192-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 13:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 13:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		80.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		76.8 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

F24W@31'
2112192-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 14:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 14:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		117 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 14:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 14:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		85.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

F24W@31'
2112192-09 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 14:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 14:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		50.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		63.4 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

F24B@33'
2112192-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/09/21 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0210	12/09/21	12/09/21	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: **12/09/21 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/09/21 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0211	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/09/21 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		94.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

F24B@33'
2112192-10 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/09/21 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0229	12/10/21	12/16/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/09/21 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		73.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		67.2 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0210 - EPA 5030 Soil MS

Blank (BEL0210-BLK1)

Prepared & Analyzed: 12/09/21

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	0.0460		"	0.0400		115	23-173			
Surrogate: Toluene-d8	0.0430		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0436		"	0.0400		109	21-167			

LCS (BEL0210-BS1)

Prepared & Analyzed: 12/09/21

Benzene	0.0859	0.0020	mg/kg	0.100		85.9	70-130			
Toluene	0.0822	0.0050	"	0.100		82.2	70-130			
Ethylbenzene	0.0741	0.0050	"	0.100		74.1	70-130			
m,p-Xylene	0.144	0.010	"	0.200		72.1	70-130			
o-Xylene	0.0767	0.0050	"	0.100		76.7	70-130			
1,2,4-Trimethylbenzene	0.0783	0.0050	"	0.100		78.3	70-130			
1,3,5-Trimethylbenzene	0.0776	0.0050	"	0.100		77.6	70-130			
Naphthalene	0.0706	0.0038	"	0.100		70.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0431		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0434		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	21-167			

Matrix Spike (BEL0210-MS1)

Source: 2112190-01

Prepared & Analyzed: 12/09/21

Benzene	0.130	0.0020	mg/kg	0.100	0.0160	114	70-130			
Toluene	0.115	0.0050	"	0.100	ND	115	70-130			
Ethylbenzene	0.104	0.0050	"	0.100	ND	104	70-130			
m,p-Xylene	0.203	0.010	"	0.200	ND	102	70-130			
o-Xylene	0.106	0.0050	"	0.100	ND	106	70-130			
1,2,4-Trimethylbenzene	0.111	0.0050	"	0.100	ND	111	70-130			
1,3,5-Trimethylbenzene	0.109	0.0050	"	0.100	ND	109	70-130			
Naphthalene	0.104	0.0038	"	0.100	ND	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0431		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0210 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0210-MSD1)	Source: 2112190-01			Prepared: 12/09/21 Analyzed: 12/10/21						
Benzene	0.123	0.0020	mg/kg	0.100	0.0160	107	70-130	5.39	30	
Toluene	0.114	0.0050	"	0.100	ND	114	70-130	1.41	30	
Ethylbenzene	0.111	0.0050	"	0.100	ND	111	70-130	6.74	30	
m,p-Xylene	0.217	0.010	"	0.200	ND	108	70-130	6.35	30	
o-Xylene	0.114	0.0050	"	0.100	ND	114	70-130	6.68	30	
1,2,4-Trimethylbenzene	0.120	0.0050	"	0.100	ND	120	70-130	7.11	30	
1,3,5-Trimethylbenzene	0.117	0.0050	"	0.100	ND	117	70-130	7.50	30	
Naphthalene	0.111	0.0038	"	0.100	ND	111	70-130	6.32	30	
Surrogate: 1,2-Dichloroethane-d4	0.0373		"	0.0400		93.2	23-173			
Surrogate: Toluene-d8	0.0418		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400		101	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting			Spike	Source	%REC		RPD	
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0211 - EPA 3550A

Blank (BEL0211-BLK1)

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0211-BS1)

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	502	50	mg/kg	500	100	70-130
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Matrix Spike (BEL0211-MS1)

Source: 2112190-01

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	431	50	mg/kg	500	ND	86.3	70-130
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Matrix Spike Dup (BEL0211-MSD1)

Source: 2112190-01

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	474	50	mg/kg	500	ND	94.8	70-130	9.45	20
---------------	-----	----	-------	-----	----	------	--------	------	----

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0229 - EPA 5030 Soil MS

Blank (BEL0229-BLK1)

Prepared: 12/10/21 Analyzed: 12/15/21

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	0.0236		"	0.0333		70.7	40-150			
Surrogate: Fluoranthene-d10	0.0210		"	0.0333		63.0	40-150			

LCS (BEL0229-BS1)

Prepared: 12/10/21 Analyzed: 12/15/21

Acenaphthene	0.0243	0.00500	mg/kg	0.0333		73.0	31-137			
Anthracene	0.0248	0.00500	"	0.0333		74.5	30-120			
Benzo (a) anthracene	0.0225	0.00500	"	0.0333		67.4	30-120			
Benzo (a) pyrene	0.0224	0.00500	"	0.0333		67.3	30-120			
Benzo (b) fluoranthene	0.0323	0.00500	"	0.0333		97.0	30-120			
Benzo (k) fluoranthene	0.0276	0.00500	"	0.0333		82.7	30-120			
Chrysene	0.0256	0.00500	"	0.0333		76.9	30-120			
Dibenz (a,h) anthracene	0.0285	0.00500	"	0.0333		85.4	30-120			
Fluoranthene	0.0216	0.00500	"	0.0333		64.9	30-120			
Fluorene	0.0267	0.00500	"	0.0333		80.0	30-120			
Indeno (1,2,3-cd) pyrene	0.0264	0.00500	"	0.0333		79.2	30-120			
Pyrene	0.0384	0.00500	"	0.0333		115	35-142			
1-Methylnaphthalene	0.0201	0.00500	"	0.0333		60.4	35-142			
2-Methylnaphthalene	0.0201	0.00500	"	0.0333		60.2	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0213		"	0.0333		63.8	40-150			
Surrogate: Fluoranthene-d10	0.0226		"	0.0333		67.9	40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0229 - EPA 5030 Soil MS

Matrix Spike (BEL0229-MS1)

Source: 2111487-07

Prepared: 12/10/21 Analyzed: 12/15/21

Acenaphthene	0.0178	0.00500	mg/kg	0.0333	ND	53.5	31-137		
Anthracene	0.0184	0.00500	"	0.0333	ND	55.1	30-120		
Benzo (a) anthracene	0.0169	0.00500	"	0.0333	ND	50.8	30-120		
Benzo (a) pyrene	0.0174	0.00500	"	0.0333	ND	52.1	30-120		
Benzo (b) fluoranthene	0.0248	0.00500	"	0.0333	ND	74.3	30-120		
Benzo (k) fluoranthene	0.0331	0.00500	"	0.0333	ND	99.4	30-120		
Chrysene	0.0196	0.00500	"	0.0333	ND	58.7	30-120		
Dibenz (a,h) anthracene	0.0225	0.00500	"	0.0333	0.00580	50.0	30-120		
Fluoranthene	0.0148	0.00500	"	0.0333	ND	44.4	30-120		
Fluorene	0.0194	0.00500	"	0.0333	ND	58.1	30-120		
Indeno (1,2,3-cd) pyrene	0.0190	0.00500	"	0.0333	0.00775	33.7	30-120		
Pyrene	0.0292	0.00500	"	0.0333	ND	87.7	35-142		
1-Methylnaphthalene	0.0156	0.00500	"	0.0333	ND	46.8	15-130		
2-Methylnaphthalene	0.0142	0.00500	"	0.0333	ND	42.7	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0165		"	0.0333		49.5	40-150		
Surrogate: Fluoranthene-d10	0.0165		"	0.0333		49.6	40-150		

Matrix Spike Dup (BEL0229-MSD1)

Source: 2111487-07

Prepared: 12/10/21 Analyzed: 12/15/21

Acenaphthene	0.0223	0.00500	mg/kg	0.0333	ND	67.0	31-137	22.4	30
Anthracene	0.0217	0.00500	"	0.0333	ND	65.1	30-120	16.7	30
Benzo (a) anthracene	0.0171	0.00500	"	0.0333	ND	51.2	30-120	0.795	30
Benzo (a) pyrene	0.0189	0.00500	"	0.0333	ND	56.6	30-120	8.28	30
Benzo (b) fluoranthene	0.0228	0.00500	"	0.0333	ND	68.5	30-120	8.12	30
Benzo (k) fluoranthene	0.0290	0.00500	"	0.0333	ND	86.9	30-120	13.4	30
Chrysene	0.0237	0.00500	"	0.0333	ND	71.0	30-120	19.0	30
Dibenz (a,h) anthracene	0.0232	0.00500	"	0.0333	0.00580	52.3	30-120	3.36	30
Fluoranthene	0.0193	0.00500	"	0.0333	ND	57.9	30-120	26.3	30
Fluorene	0.0188	0.00500	"	0.0333	ND	56.3	30-120	3.09	30
Indeno (1,2,3-cd) pyrene	0.0238	0.00500	"	0.0333	0.00775	48.0	30-120	22.2	30
Pyrene	0.0250	0.00500	"	0.0333	ND	74.9	35-142	15.7	30
1-Methylnaphthalene	0.0210	0.00500	"	0.0333	ND	63.0	15-130	29.5	50
2-Methylnaphthalene	0.0190	0.00500	"	0.0333	ND	57.0	15-130	28.6	50
Surrogate: 2-Methylnaphthalene-d10	0.0344		"	0.0333		103	40-150		
Surrogate: Fluoranthene-d10	0.0370		"	0.0333		111	40-150		

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/20/21 08:59

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

December 21, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

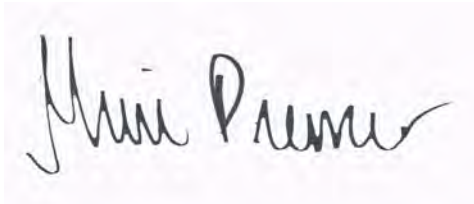
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112202

Enclosed are the results of analyses for samples received by Summit Scientific on 12/10/21 13:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier". The signature is written in a cursive, flowing style. The first name "Muri" is written with a large, stylized 'M' and 'u'. The last name "Premier" is written with a large, stylized 'P' and 'r'. The signature is set against a light pink background.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G31B@33.5'	2112202-01	Soil	12/10/21 07:55	12/10/21 13:45
F26B@34'	2112202-02	Soil	12/10/21 08:06	12/10/21 13:45
F24S@31'	2112202-03	Soil	12/10/21 08:14	12/10/21 13:45
G30N@31'	2112202-04	Soil	12/10/21 09:47	12/10/21 13:45
G30B@33'	2112202-05	Soil	12/10/21 10:00	12/10/21 13:45
G29B@33'	2112202-06	Soil	12/10/21 13:04	12/10/21 13:45

Summit Scientific

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2112202

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Project Manager: Chandler Cole/Jeb Watts
E-Mail: ccole@depaulstream.com; jwatts@tasmn-geo.com; vsruggs@tasmn-geo.com
Project Name: Permian #1
Project Number: _____

www.s2scientific.com



Sample Receipt Checklist

S2 Work Order# 2112202Client: DCP/Tasman Client Project ID: Parmlee#1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) 11.2

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sameday
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.
Custodian Printed Name or Initials121021
Date/Time



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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G31B@33.5'
2112202-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/21 07:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BEL0246	12/10/21	12/11/21	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: **12/10/21 07:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		121 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		118 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/10/21 07:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0245	12/10/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/10/21 07:55**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G31B@33.5'
2112202-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/10/21 07:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0227	12/13/21	12/17/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/10/21 07:55**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		88.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		78.8 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

F26B@34'
2112202-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/21 08:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0246	12/10/21	12/11/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.013	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.040	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: **12/10/21 08:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		115 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		113 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/10/21 08:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0245	12/10/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/10/21 08:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		124 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

F26B@34'
2112202-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/10/21 08:06**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0227	12/13/21	12/17/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/10/21 08:06**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		78.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		70.4 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

F24S@31'
2112202-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/21 08:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0246	12/10/21	12/11/21	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: **12/10/21 08:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		124 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		118 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/10/21 08:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0245	12/10/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/10/21 08:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		119 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

F24S@31'
2112202-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/10/21 08:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0227	12/13/21	12/17/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/10/21 08:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		73.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		60.1 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G30N@31'
2112202-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/21 09:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0246	12/10/21	12/11/21	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: **12/10/21 09:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		120 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		118 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		118 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/10/21 09:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0245	12/10/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/10/21 09:47**

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

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G30N@31'
2112202-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/10/21 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0227	12/13/21	12/17/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/10/21 09:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		76.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		68.7 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G30B@33'
2112202-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0246	12/10/21	12/11/21	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: **12/10/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		118 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		117 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/10/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0245	12/10/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/10/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		132 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G30B@33'
2112202-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/10/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0227	12/13/21	12/17/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/10/21 10:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		83.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		74.9 %	40-150		"	"	"	"	

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G29B@33'
2112202-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/10/21 13:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0246	12/10/21	12/11/21	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: **12/10/21 13:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		118 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/10/21 13:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0245	12/10/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/10/21 13:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

G29B@33'
2112202-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/10/21 13:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0227	12/13/21	12/17/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/10/21 13:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		80.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		73.6 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0246 - EPA 5030 Soil MS

Blank (BEL0246-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

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	0.0385		"	0.0400		96.3	23-173			
Surrogate: Toluene-d8	0.0449		"	0.0400		112	20-170			
Surrogate: 4-Bromofluorobenzene	0.0488		"	0.0400		122	21-167			

LCS (BEL0246-BS1)

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	0.0755	0.0020	mg/kg	0.0750		101	70-130			
Toluene	0.0868	0.0050	"	0.0750		116	70-130			
Ethylbenzene	0.0818	0.0050	"	0.0750		109	70-130			
m,p-Xylene	0.147	0.010	"	0.150		98.3	70-130			
o-Xylene	0.0743	0.0050	"	0.0750		99.1	70-130			
1,2,4-Trimethylbenzene	0.0776	0.0050	"	0.0750		103	70-130			
1,3,5-Trimethylbenzene	0.0784	0.0050	"	0.0750		104	70-130			
Naphthalene	0.0912	0.0038	"	0.0750		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0486		"	0.0400		122	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	21-167			

Matrix Spike (BEL0246-MS1)

Source: 2112202-01

Prepared: 12/10/21 Analyzed: 12/11/21

Benzene	0.0635	0.0020	mg/kg	0.0750	ND	84.7	70-130			
Toluene	0.0885	0.0050	"	0.0750	ND	118	70-130			
Ethylbenzene	0.0692	0.0050	"	0.0750	ND	92.3	70-130			
m,p-Xylene	0.146	0.010	"	0.150	ND	97.6	70-130			
o-Xylene	0.0755	0.0050	"	0.0750	ND	101	70-130			
1,2,4-Trimethylbenzene	0.0818	0.0050	"	0.0750	ND	109	70-130			
1,3,5-Trimethylbenzene	0.0809	0.0050	"	0.0750	ND	108	70-130			
Naphthalene	0.0670	0.0038	"	0.0750	ND	89.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0458		"	0.0400		115	23-173			
Surrogate: Toluene-d8	0.0472		"	0.0400		118	20-170			
Surrogate: 4-Bromofluorobenzene	0.0434		"	0.0400		109	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0246 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0246-MSD1)		Source: 2112202-01			Prepared: 12/10/21 Analyzed: 12/11/21					
Benzene	0.0679	0.0020	mg/kg	0.0750	ND	90.5	70-130	6.67	30	
Toluene	0.0878	0.0050	"	0.0750	ND	117	70-130	0.817	30	
Ethylbenzene	0.0674	0.0050	"	0.0750	ND	89.8	70-130	2.72	30	
m,p-Xylene	0.144	0.010	"	0.150	ND	95.9	70-130	1.76	30	
o-Xylene	0.0740	0.0050	"	0.0750	ND	98.7	70-130	1.97	30	
1,2,4-Trimethylbenzene	0.0788	0.0050	"	0.0750	ND	105	70-130	3.74	30	
1,3,5-Trimethylbenzene	0.0779	0.0050	"	0.0750	ND	104	70-130	3.81	30	
Naphthalene	0.0769	0.0038	"	0.0750	ND	103	70-130	13.7	30	
Surrogate: 1,2-Dichloroethane-d4		0.0484	"	0.0400		121	23-173			
Surrogate: Toluene-d8		0.0460	"	0.0400		115	20-170			
Surrogate: 4-Bromofluorobenzene		0.0435	"	0.0400		109	21-167			

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0245 - EPA 3550A

Blank (BEL0245-BLK1)

Prepared: 12/10/21 Analyzed: 12/11/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0245-BS1)

Prepared: 12/10/21 Analyzed: 12/11/21

C10-C28 (DRO)	461	50	mg/kg	500	92.3	70-130
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Matrix Spike (BEL0245-MS1)

Source: 2112202-01

Prepared: 12/10/21 Analyzed: 12/11/21

C10-C28 (DRO)	390	50	mg/kg	500	18.8	74.3	70-130
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Matrix Spike Dup (BEL0245-MSD1)

Source: 2112202-01

Prepared: 12/10/21 Analyzed: 12/12/21

C10-C28 (DRO)	377	50	mg/kg	500	18.8	71.7	70-130	3.33	20
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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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0227 - EPA 5030 Soil MS

Blank (BEL0227-BLK1)

Prepared: 12/10/21 Analyzed: 12/17/21

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	0.0271	"	0.0333	81.2	40-150

LCS (BEL0227-BS1)

Prepared: 12/10/21 Analyzed: 12/17/21

Acenaphthene	0.0347	0.00500	mg/kg	0.0333	104	31-137
Anthracene	0.0325	0.00500	"	0.0333	97.6	30-120
Benzo (a) anthracene	0.0292	0.00500	"	0.0333	87.7	30-120
Benzo (a) pyrene	0.0287	0.00500	"	0.0333	86.1	30-120
Benzo (b) fluoranthene	0.0366	0.00500	"	0.0333	110	30-120
Benzo (k) fluoranthene	0.0397	0.00500	"	0.0333	119	30-120
Chrysene	0.0151	0.00500	"	0.0333	45.2	30-120
Dibenz (a,h) anthracene	0.0149	0.00500	"	0.0333	44.8	30-120
Fluoranthene	0.0310	0.00500	"	0.0333	93.1	30-120
Fluorene	0.0391	0.00500	"	0.0333	117	30-120
Indeno (1,2,3-cd) pyrene	0.0168	0.00500	"	0.0333	50.3	30-120
Pyrene	0.0376	0.00500	"	0.0333	113	35-142
1-Methylnaphthalene	0.0392	0.00500	"	0.0333	118	35-142
2-Methylnaphthalene	0.0395	0.00500	"	0.0333	118	35-142

Surrogate: 2-Methylnaphthalene-d10	0.0345	"	0.0333	104	40-150
Surrogate: Fluoranthene-d10	0.0275	"	0.0333	82.5	40-150

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike		Source		%REC		RPD	
	Result	Limit	Units	Level		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0227 - EPA 5030 Soil MS

Matrix Spike (BEL0227-MS1)

Source: 2112202-01

Prepared: 12/10/21 Analyzed: 12/17/21

Acenaphthene	0.0326	0.00500	mg/kg	0.0333	ND	97.9	31-137				
Anthracene	0.0342	0.00500	"	0.0333	ND	103	30-120				
Benzo (a) anthracene	0.0291	0.00500	"	0.0333	ND	87.2	30-120				
Benzo (a) pyrene	0.0306	0.00500	"	0.0333	ND	91.9	30-120				
Benzo (b) fluoranthene	0.0366	0.00500	"	0.0333	ND	110	30-120				
Benzo (k) fluoranthene	0.0395	0.00500	"	0.0333	ND	119	30-120				
Chrysene	0.0315	0.00500	"	0.0333	ND	94.4	30-120				
Dibenz (a,h) anthracene	0.0190	0.00500	"	0.0333	ND	57.1	30-120				
Fluoranthene	0.0313	0.00500	"	0.0333	ND	94.0	30-120				
Fluorene	0.0368	0.00500	"	0.0333	ND	110	30-120				
Indeno (1,2,3-cd) pyrene	0.0267	0.00500	"	0.0333	ND	80.1	30-120				
Pyrene	0.0397	0.00500	"	0.0333	ND	119	35-142				
1-Methylnaphthalene	0.0350	0.00500	"	0.0333	ND	105	15-130				
2-Methylnaphthalene	0.0359	0.00500	"	0.0333	ND	108	15-130				
Surrogate: 2-Methylnaphthalene-d10	0.0297		"	0.0333		89.1	40-150				
Surrogate: Fluoranthene-d10	0.0284		"	0.0333		85.1	40-150				

Matrix Spike Dup (BEL0227-MSD1)

Source: 2112202-01

Prepared: 12/10/21 Analyzed: 12/17/21

Acenaphthene	0.0275	0.00500	mg/kg	0.0333	ND	82.5	31-137	17.1	30		
Anthracene	0.0266	0.00500	"	0.0333	ND	79.9	30-120	24.8	30		
Benzo (a) anthracene	0.0234	0.00500	"	0.0333	ND	70.2	30-120	21.5	30		
Benzo (a) pyrene	0.0247	0.00500	"	0.0333	ND	74.0	30-120	21.7	30		
Benzo (b) fluoranthene	0.0292	0.00500	"	0.0333	ND	87.7	30-120	22.5	30		
Benzo (k) fluoranthene	0.0340	0.00500	"	0.0333	ND	102	30-120	15.0	30		
Chrysene	0.0253	0.00500	"	0.0333	ND	76.0	30-120	21.6	30		
Dibenz (a,h) anthracene	0.0243	0.00500	"	0.0333	ND	72.9	30-120	24.3	30		
Fluoranthene	0.0256	0.00500	"	0.0333	ND	76.7	30-120	20.3	30		
Fluorene	0.0305	0.00500	"	0.0333	ND	91.5	30-120	18.6	30		
Indeno (1,2,3-cd) pyrene	0.0205	0.00500	"	0.0333	ND	61.4	30-120	26.4	30		
Pyrene	0.0364	0.00500	"	0.0333	ND	109	35-142	8.72	30		
1-Methylnaphthalene	0.0291	0.00500	"	0.0333	ND	87.3	15-130	18.4	50		
2-Methylnaphthalene	0.0292	0.00500	"	0.0333	ND	87.7	15-130	20.5	50		
Surrogate: 2-Methylnaphthalene-d10	0.0266		"	0.0333		79.7	40-150				
Surrogate: Fluoranthene-d10	0.0228		"	0.0333		68.5	40-150				

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/21/21 17:41

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

December 22, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112241

Enclosed are the results of analyses for samples received by Summit Scientific on 12/13/21 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G28W@31'	2112241-01	Soil	12/13/21 11:41	12/13/21 15:00
G28B@33'	2112241-02	Soil	12/13/21 12:08	12/13/21 15:00
G28S@31'	2112241-03	Soil	12/13/21 12:31	12/13/21 15:00

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

Page \ of \

Sampler Name: Jackson Milnesworth

Project Number:

www.s2scientific.com

S₂

Sample Receipt Checklist

S2 Work Order# 2112241

Client: DGP-Tosman Client Project ID: Parmlee #1Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)Temp (°C) 10.4

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.R. T. G. H.
Custodian Printed Name or Initials12.13.21
Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

G28W@31'
2112241-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/13/21 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0281	12/13/21	12/13/21	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: **12/13/21 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		114 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		121 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		119 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/13/21 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0282	12/13/21	12/13/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/13/21 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		131 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

G28W@31'
2112241-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/13/21 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0284	12/14/21	12/19/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/13/21 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		48.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		52.0 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

G28B@33'
2112241-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/13/21 12:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0281	12/13/21	12/13/21	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: **12/13/21 12:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		120 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/13/21 12:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0282	12/13/21	12/13/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/13/21 12:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		114 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

G28B@33'
2112241-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/13/21 12:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0284	12/14/21	12/19/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/13/21 12:08**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		51.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		61.9 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

G28S@31'
2112241-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/13/21 12:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0281	12/13/21	12/13/21	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: **12/13/21 12:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		117 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		118 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/13/21 12:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0282	12/13/21	12/13/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/13/21 12:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		108 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

G28S@31'
2112241-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/13/21 12:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0284	12/14/21	12/19/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/13/21 12:31**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		55.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		63.7 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0281 - EPA 5030 Soil MS

Blank (BEL0281-BLK1)

Prepared & Analyzed: 12/13/21

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	0.0466		"	0.0400		116	23-173			
Surrogate: Toluene-d8	0.0487		"	0.0400		122	20-170			
Surrogate: 4-Bromofluorobenzene	0.0462		"	0.0400		116	21-167			

LCS (BEL0281-BS1)

Prepared & Analyzed: 12/13/21

Benzene	0.0588	0.0020	mg/kg	0.0750		78.4	70-130			
Toluene	0.0838	0.0050	"	0.0750		112	70-130			
Ethylbenzene	0.0656	0.0050	"	0.0750		87.4	70-130			
m,p-Xylene	0.137	0.010	"	0.150		91.3	70-130			
o-Xylene	0.0697	0.0050	"	0.0750		92.9	70-130			
1,2,4-Trimethylbenzene	0.0742	0.0050	"	0.0750		98.9	70-130			
1,3,5-Trimethylbenzene	0.0752	0.0050	"	0.0750		100	70-130			
Naphthalene	0.0550	0.0038	"	0.0750		73.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0418		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0480		"	0.0400		120	20-170			
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	21-167			

Matrix Spike (BEL0281-MS1)

Source: 2112236-01

Prepared: 12/13/21 Analyzed: 12/14/21

Benzene	0.0637	0.0020	mg/kg	0.0750	ND	85.0	70-130			
Toluene	0.0893	0.0050	"	0.0750	ND	119	70-130			
Ethylbenzene	0.0688	0.0050	"	0.0750	ND	91.7	70-130			
m,p-Xylene	0.142	0.010	"	0.150	ND	94.4	70-130			
o-Xylene	0.0737	0.0050	"	0.0750	ND	98.2	70-130			
1,2,4-Trimethylbenzene	0.0779	0.0050	"	0.0750	ND	104	70-130			
1,3,5-Trimethylbenzene	0.0771	0.0050	"	0.0750	ND	103	70-130			
Naphthalene	0.0599	0.0038	"	0.0750	ND	79.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0416		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0486		"	0.0400		122	20-170			
Surrogate: 4-Bromofluorobenzene	0.0423		"	0.0400		106	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0281 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0281-MSD1)	Source: 2112236-01			Prepared: 12/13/21 Analyzed: 12/14/21						
Benzene	0.0608	0.0020	mg/kg	0.0750	ND	81.0	70-130	4.77	30	
Toluene	0.0879	0.0050	"	0.0750	ND	117	70-130	1.56	30	
Ethylbenzene	0.0686	0.0050	"	0.0750	ND	91.4	70-130	0.262	30	
m,p-Xylene	0.142	0.010	"	0.150	ND	94.6	70-130	0.254	30	
o-Xylene	0.0716	0.0050	"	0.0750	ND	95.5	70-130	2.81	30	
1,2,4-Trimethylbenzene	0.0778	0.0050	"	0.0750	ND	104	70-130	0.116	30	
1,3,5-Trimethylbenzene	0.0777	0.0050	"	0.0750	ND	104	70-130	0.814	30	
Naphthalene	0.0572	0.0038	"	0.0750	ND	76.3	70-130	4.56	30	
Surrogate: 1,2-Dichloroethane-d4	0.0402		"	0.0400		100	23-173			
Surrogate: Toluene-d8	0.0481		"	0.0400		120	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	21-167			

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting			Spike	Source	%REC		RPD		
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch BEL0282 - EPA 3550A

Blank (BEL0282-BLK1)

Prepared & Analyzed: 12/13/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0282-BS1)

Prepared & Analyzed: 12/13/21

C10-C28 (DRO)	562	50	mg/kg	500	112	70-130
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Matrix Spike (BEL0282-MS1)

Source: 2112236-01

Prepared & Analyzed: 12/13/21

C10-C28 (DRO)	509	50	mg/kg	500	20.4	97.8	70-130
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Matrix Spike Dup (BEL0282-MSD1)

Source: 2112236-01

Prepared & Analyzed: 12/13/21

C10-C28 (DRO)	509	50	mg/kg	500	20.4	97.8	70-130	0.0236	20
---------------	-----	----	-------	-----	------	------	--------	--------	----

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0284 - EPA 5030 Soil MS

Blank (BEL0284-BLK1)

Prepared: 12/14/21 Analyzed: 12/19/21

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	0.0337		"	0.0333		101	40-150			
Surrogate: Fluoranthene-d10	0.0324		"	0.0333		97.1	40-150			

LCS (BEL0284-BS1)

Prepared: 12/14/21 Analyzed: 12/19/21

Acenaphthene	0.0262	0.00500	mg/kg	0.0333		78.5	31-137			
Anthracene	0.0277	0.00500	"	0.0333		83.1	30-120			
Benzo (a) anthracene	0.0299	0.00500	"	0.0333		89.6	30-120			
Benzo (a) pyrene	0.0245	0.00500	"	0.0333		73.5	30-120			
Benzo (b) fluoranthene	0.0233	0.00500	"	0.0333		70.0	30-120			
Benzo (k) fluoranthene	0.0219	0.00500	"	0.0333		65.8	30-120			
Chrysene	0.0277	0.00500	"	0.0333		83.0	30-120			
Dibenz (a,h) anthracene	0.0266	0.00500	"	0.0333		79.7	30-120			
Fluoranthene	0.0294	0.00500	"	0.0333		88.3	30-120			
Fluorene	0.0270	0.00500	"	0.0333		80.9	30-120			
Indeno (1,2,3-cd) pyrene	0.0293	0.00500	"	0.0333		87.9	30-120			
Pyrene	0.0208	0.00500	"	0.0333		62.5	35-142			
1-Methylnaphthalene	0.0263	0.00500	"	0.0333		78.9	35-142			
2-Methylnaphthalene	0.0255	0.00500	"	0.0333		76.6	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0259		"	0.0333		77.8	40-150			
Surrogate: Fluoranthene-d10	0.0305		"	0.0333		91.5	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0284 - EPA 5030 Soil MS

Matrix Spike (BEL0284-MS1)

Source: 2111266-02

Prepared: 12/14/21 Analyzed: 12/19/21

Acenaphthene	0.0235	0.00500	mg/kg	0.0333	ND	70.6	31-137		
Anthracene	0.0238	0.00500	"	0.0333	ND	71.5	30-120		
Benzo (a) anthracene	0.0249	0.00500	"	0.0333	ND	74.8	30-120		
Benzo (a) pyrene	0.0201	0.00500	"	0.0333	ND	60.4	30-120		
Benzo (b) fluoranthene	0.0187	0.00500	"	0.0333	ND	56.2	30-120		
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.1	30-120		
Chrysene	0.0233	0.00500	"	0.0333	ND	69.8	30-120		
Dibenz (a,h) anthracene	0.0253	0.00500	"	0.0333	ND	75.9	30-120		
Fluoranthene	0.0248	0.00500	"	0.0333	ND	74.5	30-120		
Fluorene	0.0242	0.00500	"	0.0333	ND	72.7	30-120		
Indeno (1,2,3-cd) pyrene	0.0244	0.00500	"	0.0333	ND	73.2	30-120		
Pyrene	0.0176	0.00500	"	0.0333	ND	52.8	35-142		
1-Methylnaphthalene	0.0229	0.00500	"	0.0333	ND	68.6	15-130		
2-Methylnaphthalene	0.0238	0.00500	"	0.0333	ND	71.3	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0228		"	0.0333		68.4	40-150		
Surrogate: Fluoranthene-d10	0.0256		"	0.0333		76.9	40-150		

Matrix Spike Dup (BEL0284-MSD1)

Source: 2111266-02

Prepared: 12/14/21 Analyzed: 12/19/21

Acenaphthene	0.0220	0.00500	mg/kg	0.0333	ND	65.9	31-137	6.88	30
Anthracene	0.0220	0.00500	"	0.0333	ND	66.0	30-120	8.01	30
Benzo (a) anthracene	0.0248	0.00500	"	0.0333	ND	74.3	30-120	0.554	30
Benzo (a) pyrene	0.0206	0.00500	"	0.0333	ND	61.7	30-120	2.02	30
Benzo (b) fluoranthene	0.0178	0.00500	"	0.0333	ND	53.4	30-120	4.99	30
Benzo (k) fluoranthene	0.0170	0.00500	"	0.0333	ND	51.1	30-120	1.87	30
Chrysene	0.0225	0.00500	"	0.0333	ND	67.5	30-120	3.43	30
Dibenz (a,h) anthracene	0.0255	0.00500	"	0.0333	ND	76.4	30-120	0.650	30
Fluoranthene	0.0233	0.00500	"	0.0333	ND	70.0	30-120	6.26	30
Fluorene	0.0226	0.00500	"	0.0333	ND	67.7	30-120	7.15	30
Indeno (1,2,3-cd) pyrene	0.0271	0.00500	"	0.0333	ND	81.2	30-120	10.3	30
Pyrene	0.0161	0.00500	"	0.0333	ND	48.2	35-142	8.99	30
1-Methylnaphthalene	0.0218	0.00500	"	0.0333	ND	65.5	15-130	4.56	50
2-Methylnaphthalene	0.0226	0.00500	"	0.0333	ND	67.7	15-130	5.19	50
Surrogate: 2-Methylnaphthalene-d10	0.0218		"	0.0333		65.3	40-150		
Surrogate: Fluoranthene-d10	0.0240		"	0.0333		72.1	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 10:29

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

December 22, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

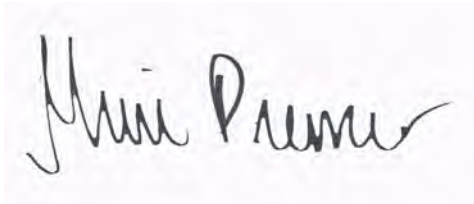
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112261

Enclosed are the results of analyses for samples received by Summit Scientific on 12/14/21 16:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", on a light pink background.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H32W@31'	2112261-01	Soil	12/14/21 11:52	12/14/21 16:15
H32B@33'	2112261-02	Soil	12/14/21 12:14	12/14/21 16:15
H33B@33'	2112261-03	Soil	12/14/21 12:21	12/14/21 16:15

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.

2112261

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Sampler Name: Jackson Millasovich

Project Number:

www.s2scientific.com

Bill to
Dcl

S₂


Sample Receipt Checklist

S2 Work Order# 2112261Client: DCP-TasmanClient Project ID: Parmlee #1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____
☐ ☒ ☐ ☐ ☐
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	<u>10.4</u>
-----------	-------------

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ON ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sameday
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

 Custodian Printed Name or Initials

12.14.21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

H32W@31'
2112261-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/14/21 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0314	12/14/21	12/14/21	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: **12/14/21 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		68.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		79.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/14/21 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0315	12/14/21	12/14/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/14/21 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		108 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

H32W@31'
2112261-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/14/21 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0343	12/15/21	12/19/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/14/21 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		48.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		52.0 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

H32B@33'
2112261-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/14/21 12:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0314	12/14/21	12/14/21	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: **12/14/21 12:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		95.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		88.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		131 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/14/21 12:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0315	12/14/21	12/14/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/14/21 12:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		85.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

H32B@33'
2112261-02 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **12/14/21 12:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0343	12/15/21	12/19/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/14/21 12:14**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		55.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		55.3 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

H33B@33'
2112261-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/14/21 12:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0314	12/14/21	12/14/21	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: **12/14/21 12:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		89.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		88.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/14/21 12:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0315	12/14/21	12/14/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/14/21 12:21**

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

PAH by EPA Method 8270D SIM

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

H33B@33'
2112261-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/14/21 12:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0343	12/15/21	12/19/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/14/21 12:21**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		54.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		57.7 %	40-150		"	"	"	"	

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0314 - EPA 5030 Soil MS

Blank (BEL0314-BLK1)

Prepared & Analyzed: 12/14/21

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	0.0330		"	0.0400		82.4	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	21-167			

LCS (BEL0314-BS1)

Prepared & Analyzed: 12/14/21

Benzene	0.150	0.0020	mg/kg	0.115		130	70-130			
Toluene	0.133	0.0050	"	0.115		115	70-130			
Ethylbenzene	0.0923	0.0050	"	0.115		80.3	70-130			
m,p-Xylene	0.173	0.010	"	0.230		75.1	70-130			
o-Xylene	0.0849	0.0050	"	0.115		73.8	70-130			
1,2,4-Trimethylbenzene	0.107	0.0050	"	0.115		93.0	70-130			
1,3,5-Trimethylbenzene	0.112	0.0050	"	0.115		97.7	70-130			
Naphthalene	0.0968	0.0038	"	0.115		84.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0399		"	0.0400		99.8	23-173			
Surrogate: Toluene-d8	0.0485		"	0.0400		121	20-170			
Surrogate: 4-Bromofluorobenzene	0.0389		"	0.0400		97.3	21-167			

Matrix Spike (BEL0314-MS1)

Source: 2112247-01

Prepared & Analyzed: 12/14/21

Benzene	0.128	0.0020	mg/kg	0.115	ND	111	70-130			
Toluene	0.133	0.0050	"	0.115	ND	116	70-130			
Ethylbenzene	0.104	0.0050	"	0.115	ND	90.7	70-130			
m,p-Xylene	0.191	0.010	"	0.230	ND	83.2	70-130			
o-Xylene	0.0887	0.0050	"	0.115	ND	77.1	70-130			
1,2,4-Trimethylbenzene	0.0884	0.0050	"	0.115	ND	76.9	70-130			
1,3,5-Trimethylbenzene	0.0991	0.0050	"	0.115	ND	86.2	70-130			
Naphthalene	0.0893	0.0038	"	0.115	ND	77.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0346		"	0.0400		86.5	23-173			
Surrogate: Toluene-d8	0.0504		"	0.0400		126	20-170			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.1	21-167			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0314 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0314-MSD1)		Source: 2112247-01			Prepared & Analyzed: 12/14/21					
Benzene	0.127	0.0020	mg/kg	0.115	ND	110	70-130	0.847	30	
Toluene	0.114	0.0050	"	0.115	ND	98.8	70-130	15.9	30	
Ethylbenzene	0.0922	0.0050	"	0.115	ND	80.2	70-130	12.2	30	
m,p-Xylene	0.186	0.010	"	0.230	ND	80.7	70-130	3.01	30	
o-Xylene	0.0880	0.0050	"	0.115	ND	76.5	70-130	0.849	30	
1,2,4-Trimethylbenzene	0.0890	0.0050	"	0.115	ND	77.4	70-130	0.710	30	
1,3,5-Trimethylbenzene	0.0952	0.0050	"	0.115	ND	82.8	70-130	4.01	30	
Naphthalene	0.101	0.0038	"	0.115	ND	88.0	70-130	12.5	30	
Surrogate: 1,2-Dichloroethane-d4		0.0347	"	0.0400		86.7	23-173			
Surrogate: Toluene-d8		0.0434	"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene		0.0394	"	0.0400		98.4	21-167			

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting			Spike	Source	%REC		RPD		Notes
		Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

Batch BEL0315 - EPA 3550A

Blank (BEL0315-BLK1)

Prepared & Analyzed: 12/14/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0315-BS1)

Prepared & Analyzed: 12/14/21

C10-C28 (DRO)	451	50	mg/kg	500	90.2	70-130
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Matrix Spike (BEL0315-MS1)

Source: 2112247-01

Prepared & Analyzed: 12/14/21

C10-C28 (DRO)	422	50	mg/kg	500	8.37	82.7	70-130
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Matrix Spike Dup (BEL0315-MSD1)

Source: 2112247-01

Prepared & Analyzed: 12/14/21

C10-C28 (DRO)	438	50	mg/kg	500	8.37	86.0	70-130	3.84	20
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0343 - EPA 5030 Soil MS

Blank (BEL0343-BLK1)

Prepared: 12/15/21 Analyzed: 12/18/21

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	0.0232		"	0.0333		69.7	40-150			
Surrogate: Fluoranthene-d10	0.0249		"	0.0333		74.7	40-150			

LCS (BEL0343-BS1)

Prepared: 12/15/21 Analyzed: 12/18/21

Acenaphthene	0.0215	0.00500	mg/kg	0.0333		64.4	31-137			
Anthracene	0.0222	0.00500	"	0.0333		66.6	30-120			
Benzo (a) anthracene	0.0222	0.00500	"	0.0333		66.7	30-120			
Benzo (a) pyrene	0.0172	0.00500	"	0.0333		51.7	30-120			
Benzo (b) fluoranthene	0.0134	0.00500	"	0.0333		40.1	30-120			
Benzo (k) fluoranthene	0.0115	0.00500	"	0.0333		34.5	30-120			
Chrysene	0.0217	0.00500	"	0.0333		65.0	30-120			
Dibenz (a,h) anthracene	0.0261	0.00500	"	0.0333		78.4	30-120			
Fluoranthene	0.0216	0.00500	"	0.0333		64.9	30-120			
Fluorene	0.0225	0.00500	"	0.0333		67.4	30-120			
Indeno (1,2,3-cd) pyrene	0.0231	0.00500	"	0.0333		69.3	30-120			
Pyrene	0.0250	0.00500	"	0.0333		75.0	35-142			
1-Methylnaphthalene	0.0216	0.00500	"	0.0333		64.7	35-142			
2-Methylnaphthalene	0.0224	0.00500	"	0.0333		67.2	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0219		"	0.0333		65.7	40-150			
Surrogate: Fluoranthene-d10	0.0226		"	0.0333		67.8	40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0343 - EPA 5030 Soil MS

Matrix Spike (BEL0343-MS1)

Source: 2112172-01

Prepared: 12/15/21 Analyzed: 12/18/21

Acenaphthene	0.0149	0.00500	mg/kg	0.0333	ND	44.6	31-137		
Anthracene	0.0151	0.00500	"	0.0333	ND	45.3	30-120		
Benzo (a) anthracene	0.0157	0.00500	"	0.0333	ND	47.0	30-120		
Benzo (a) pyrene	0.0120	0.00500	"	0.0333	ND	36.1	30-120		
Benzo (b) fluoranthene	0.0165	0.00500	"	0.0333	ND	49.5	30-120		
Benzo (k) fluoranthene	0.0152	0.00500	"	0.0333	ND	45.5	30-120		
Chrysene	0.0155	0.00500	"	0.0333	ND	46.5	30-120		
Dibenz (a,h) anthracene	0.0118	0.00500	"	0.0333	ND	35.4	30-120		
Fluoranthene	0.0151	0.00500	"	0.0333	ND	45.4	30-120		
Fluorene	0.0159	0.00500	"	0.0333	ND	47.6	30-120		
Indeno (1,2,3-cd) pyrene	0.0176	0.00500	"	0.0333	ND	52.8	30-120		
Pyrene	0.0181	0.00500	"	0.0333	ND	54.4	35-142		
1-Methylnaphthalene	0.0151	0.00500	"	0.0333	ND	45.4	15-130		
2-Methylnaphthalene	0.0151	0.00500	"	0.0333	ND	45.3	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0149		"	0.0333		44.7	40-150		
Surrogate: Fluoranthene-d10	0.0153		"	0.0333		46.0	40-150		

Matrix Spike Dup (BEL0343-MSD1)

Source: 2112172-01

Prepared: 12/15/21 Analyzed: 12/18/21

Acenaphthene	0.0142	0.00500	mg/kg	0.0333	ND	42.7	31-137	4.34	30
Anthracene	0.0141	0.00500	"	0.0333	ND	42.3	30-120	6.86	30
Benzo (a) anthracene	0.0190	0.00500	"	0.0333	ND	57.0	30-120	19.3	30
Benzo (a) pyrene	0.0138	0.00500	"	0.0333	ND	41.3	30-120	13.4	30
Benzo (b) fluoranthene	0.0166	0.00500	"	0.0333	ND	49.8	30-120	0.546	30
Benzo (k) fluoranthene	0.0164	0.00500	"	0.0333	ND	49.1	30-120	7.69	30
Chrysene	0.0124	0.00500	"	0.0333	ND	37.3	30-120	21.8	30
Dibenz (a,h) anthracene	0.0101	0.00500	"	0.0333	ND	30.2	30-120	15.9	30
Fluoranthene	0.0204	0.00500	"	0.0333	ND	61.1	30-120	29.4	30
Fluorene	0.0158	0.00500	"	0.0333	ND	47.5	30-120	0.194	30
Indeno (1,2,3-cd) pyrene	0.0229	0.00500	"	0.0333	ND	68.6	30-120	26.0	30
Pyrene	0.0188	0.00500	"	0.0333	ND	56.3	35-142	3.54	30
1-Methylnaphthalene	0.0207	0.00500	"	0.0333	ND	62.2	15-130	31.2	50
2-Methylnaphthalene	0.0206	0.00500	"	0.0333	ND	61.9	15-130	31.0	50
Surrogate: 2-Methylnaphthalene-d10	0.0210		"	0.0333		62.9	40-150		
Surrogate: Fluoranthene-d10	0.0217		"	0.0333		65.0	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/22/21 17:15

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

December 29, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

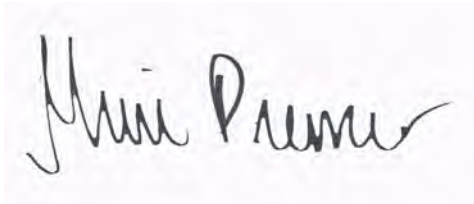
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112309

Enclosed are the results of analyses for samples received by Summit Scientific on 12/16/21 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier". The signature is written in a cursive, flowing style. The first name "Muri" is written with a large, stylized 'M' and 'u'. The last name "Premier" is written with a large 'P' and a long, sweeping tail that extends to the right.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
I37W@31'	2112309-01	Soil	12/16/21 14:25	12/16/21 16:30
I38N@31'	2112309-02	Soil	12/16/21 14:35	12/16/21 16:30
I39E@31'	2112309-03	Soil	12/16/21 14:47	12/16/21 16:30

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.

2112309

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: DCP - Tanager
Address: 6855 W 11th Ave
City/State/Zip: Broomfield, CO 80020
Phone: 303-443-1228 Fax:
Sampler Name: Jackson Millasovich

Project Manager: Chandler Cole Seb Watts
E-Mail: ced@ediprillsbeam.com; jwatts@thsmann-geo.com; vs.watts@thsmann-geo.com
Project Name: Phoenix #1
Project Number: _____

www.s2scientific.com

S₂

Sample Receipt Checklist

S2 Work Order#

2112309

Client: Dcp/TasmanClient Project ID: Parmleest#1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other:

(Describe)

Temp (°C)

12.7

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°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
Were all samples received intact ⁽¹⁾ ?	-			
Was adequate sample volume provided ⁽¹⁾ ?	-			
If custody seals are present, are they intact ⁽¹⁾ ?	-			
Are samples with holding times due within 48 hours sample due within 48 hours present?	-			Same day
Is a chain-of-custody (COC) form 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 w/ date and time recorded ⁽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 ₂ SO 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.

Custodian Printed Name or Initials

Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

I37W@31'
2112309-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.016	0.0020	mg/kg	1	BEL0391	12/16/21	12/16/21	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: **12/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		117 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		117 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0390	12/16/21	12/17/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/16/21 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		90.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

I37W@31'
2112309-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/16/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0414	12/20/21	12/25/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/16/21 14:25**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		78.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		96.5 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

I38N@31'
2112309-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/16/21 14:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0391	12/16/21	12/16/21	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: **12/16/21 14:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/16/21 14:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0390	12/16/21	12/17/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/16/21 14:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		68.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

I38N@31'
2112309-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/16/21 14:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0414	12/20/21	12/25/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/16/21 14:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		46.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		59.1 %	40-150		"	"	"	"	

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

I39E@31'
2112309-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/16/21 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0391	12/16/21	12/17/21	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: **12/16/21 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		98.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/16/21 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0390	12/16/21	12/17/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/16/21 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		75.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

I39E@31'
2112309-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/16/21 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0414	12/20/21	12/25/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/16/21 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		60.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		64.2 %	40-150		"	"	"	"	

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0391 - EPA 5030 Soil MS

Blank (BEL0391-BLK1)

Prepared: 12/16/21 Analyzed: 12/17/21

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	23-173			
Surrogate: Toluene-d8	0.0444		"	0.0400		111	20-170			
Surrogate: 4-Bromofluorobenzene	0.0456		"	0.0400		114	21-167			

LCS (BEL0391-BS1)

Prepared: 12/16/21 Analyzed: 12/17/21

Benzene	0.0615	0.0020	mg/kg	0.0750		82.0	70-130			
Toluene	0.0827	0.0050	"	0.0750		110	70-130			
Ethylbenzene	0.0632	0.0050	"	0.0750		84.3	70-130			
m,p-Xylene	0.131	0.010	"	0.150		87.1	70-130			
o-Xylene	0.0669	0.0050	"	0.0750		89.2	70-130			
1,2,4-Trimethylbenzene	0.0720	0.0050	"	0.0750		96.0	70-130			
1,3,5-Trimethylbenzene	0.0722	0.0050	"	0.0750		96.3	70-130			
Naphthalene	0.0543	0.0038	"	0.0750		72.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0425		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0471		"	0.0400		118	20-170			
Surrogate: 4-Bromofluorobenzene	0.0426		"	0.0400		106	21-167			

Matrix Spike (BEL0391-MS1)

Source: 2112296-02

Prepared: 12/16/21 Analyzed: 12/17/21

Benzene	0.0617	0.0020	mg/kg	0.0750	ND	82.3	70-130			
Toluene	0.0828	0.0050	"	0.0750	ND	110	70-130			
Ethylbenzene	0.0624	0.0050	"	0.0750	ND	83.2	70-130			
m,p-Xylene	0.129	0.010	"	0.150	ND	85.8	70-130			
o-Xylene	0.0669	0.0050	"	0.0750	ND	89.2	70-130			
1,2,4-Trimethylbenzene	0.0732	0.0050	"	0.0750	ND	97.6	70-130			
1,3,5-Trimethylbenzene	0.0716	0.0050	"	0.0750	ND	95.4	70-130			
Naphthalene	0.0706	0.0038	"	0.0750	ND	94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0471		"	0.0400		118	23-173			
Surrogate: Toluene-d8	0.0470		"	0.0400		117	20-170			
Surrogate: 4-Bromofluorobenzene	0.0442		"	0.0400		111	21-167			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0391 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0391-MSD1)		Source: 2112296-02			Prepared: 12/16/21 Analyzed: 12/17/21					
Benzene	0.0613	0.0020	mg/kg	0.0750	ND	81.7	70-130	0.780	30	
Toluene	0.0847	0.0050	"	0.0750	ND	113	70-130	2.26	30	
Ethylbenzene	0.0630	0.0050	"	0.0750	ND	84.0	70-130	0.956	30	
m,p-Xylene	0.131	0.010	"	0.150	ND	87.4	70-130	1.85	30	
o-Xylene	0.0676	0.0050	"	0.0750	ND	90.1	70-130	1.07	30	
1,2,4-Trimethylbenzene	0.0727	0.0050	"	0.0750	ND	97.0	70-130	0.617	30	
1,3,5-Trimethylbenzene	0.0719	0.0050	"	0.0750	ND	95.9	70-130	0.460	30	
Naphthalene	0.0688	0.0038	"	0.0750	ND	91.7	70-130	2.71	30	
Surrogate: 1,2-Dichloroethane-d4		0.0445	"	0.0400		111	23-173			
Surrogate: Toluene-d8		0.0482	"	0.0400		121	20-170			
Surrogate: 4-Bromofluorobenzene		0.0432	"	0.0400		108	21-167			

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0390 - EPA 3550A

Blank (BEL0390-BLK1)

Prepared: 12/16/21 Analyzed: 12/17/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0390-BS1)

Prepared: 12/16/21 Analyzed: 12/17/21

C10-C28 (DRO)	440	50	mg/kg	500	87.9	70-130
---------------	-----	----	-------	-----	------	--------

Matrix Spike (BEL0390-MS1)

Source: 2112296-02

Prepared: 12/16/21 Analyzed: 12/17/21

C10-C28 (DRO)	459	50	mg/kg	500	ND	91.8	70-130
---------------	-----	----	-------	-----	----	------	--------

Matrix Spike Dup (BEL0390-MSD1)

Source: 2112296-02

Prepared: 12/16/21 Analyzed: 12/17/21

C10-C28 (DRO)	455	50	mg/kg	500	ND	91.0	70-130	0.897	20
---------------	-----	----	-------	-----	----	------	--------	-------	----

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0414 - EPA 5030 Soil MS

Blank (BEL0414-BLK1)

Prepared: 12/20/21 Analyzed: 12/24/21

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	0.0313		"	0.0333		93.9	40-150			
Surrogate: Fluoranthene-d10	0.0374		"	0.0333		112	40-150			

LCS (BEL0414-BS1)

Prepared: 12/20/21 Analyzed: 12/24/21

Acenaphthene	0.0251	0.00500	mg/kg	0.0333		75.4	31-137			
Anthracene	0.0246	0.00500	"	0.0333		73.9	30-120			
Benzo (a) anthracene	0.0328	0.00500	"	0.0333		98.4	30-120			
Benzo (a) pyrene	0.0269	0.00500	"	0.0333		80.7	30-120			
Benzo (b) fluoranthene	0.0268	0.00500	"	0.0333		80.3	30-120			
Benzo (k) fluoranthene	0.0260	0.00500	"	0.0333		78.0	30-120			
Chrysene	0.0272	0.00500	"	0.0333		81.6	30-120			
Dibenz (a,h) anthracene	0.0246	0.00500	"	0.0333		73.7	30-120			
Fluoranthene	0.0242	0.00500	"	0.0333		72.5	30-120			
Fluorene	0.0255	0.00500	"	0.0333		76.6	30-120			
Indeno (1,2,3-cd) pyrene	0.0260	0.00500	"	0.0333		78.1	30-120			
Pyrene	0.0206	0.00500	"	0.0333		61.9	35-142			
1-Methylnaphthalene	0.0251	0.00500	"	0.0333		75.2	35-142			
2-Methylnaphthalene	0.0229	0.00500	"	0.0333		68.6	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0249		"	0.0333		74.6	40-150			
Surrogate: Fluoranthene-d10	0.0303		"	0.0333		91.0	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0414 - EPA 5030 Soil MS

Matrix Spike (BEL0414-MS1)

Source: 2112297-05

Prepared: 12/20/21 Analyzed: 12/24/21

Acenaphthene	0.0183	0.00500	mg/kg	0.0333	ND	55.0	31-137		
Anthracene	0.0184	0.00500	"	0.0333	ND	55.0	30-120		
Benzo (a) anthracene	0.0253	0.00500	"	0.0333	ND	76.0	30-120		
Benzo (a) pyrene	0.0199	0.00500	"	0.0333	ND	59.7	30-120		
Benzo (b) fluoranthene	0.0187	0.00500	"	0.0333	ND	56.0	30-120		
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.2	30-120		
Chrysene	0.0201	0.00500	"	0.0333	ND	60.2	30-120		
Dibenz (a,h) anthracene	0.0181	0.00500	"	0.0333	ND	54.4	30-120		
Fluoranthene	0.0192	0.00500	"	0.0333	ND	57.6	30-120		
Fluorene	0.0188	0.00500	"	0.0333	ND	56.3	30-120		
Indeno (1,2,3-cd) pyrene	0.0211	0.00500	"	0.0333	ND	63.2	30-120		
Pyrene	0.0146	0.00500	"	0.0333	ND	43.9	35-142		
1-Methylnaphthalene	0.0201	0.00500	"	0.0333	ND	60.2	15-130		
2-Methylnaphthalene	0.0190	0.00500	"	0.0333	ND	57.1	15-130		
Surrogate: 2-Methylnaphthalene-d10	0.0197		"	0.0333		59.1	40-150		
Surrogate: Fluoranthene-d10	0.0226		"	0.0333		67.9	40-150		

Matrix Spike Dup (BEL0414-MSD1)

Source: 2112297-05

Prepared: 12/20/21 Analyzed: 12/24/21

Acenaphthene	0.0194	0.00500	mg/kg	0.0333	ND	58.1	31-137	5.51	30
Anthracene	0.0200	0.00500	"	0.0333	ND	60.1	30-120	8.84	30
Benzo (a) anthracene	0.0270	0.00500	"	0.0333	ND	81.1	30-120	6.49	30
Benzo (a) pyrene	0.0211	0.00500	"	0.0333	ND	63.4	30-120	5.97	30
Benzo (b) fluoranthene	0.0202	0.00500	"	0.0333	ND	60.6	30-120	7.92	30
Benzo (k) fluoranthene	0.0186	0.00500	"	0.0333	ND	55.7	30-120	6.51	30
Chrysene	0.0212	0.00500	"	0.0333	ND	63.6	30-120	5.44	30
Dibenz (a,h) anthracene	0.0188	0.00500	"	0.0333	ND	56.5	30-120	3.76	30
Fluoranthene	0.0194	0.00500	"	0.0333	ND	58.1	30-120	0.973	30
Fluorene	0.0204	0.00500	"	0.0333	ND	61.1	30-120	8.24	30
Indeno (1,2,3-cd) pyrene	0.0216	0.00500	"	0.0333	ND	64.7	30-120	2.25	30
Pyrene	0.0152	0.00500	"	0.0333	ND	45.6	35-142	3.65	30
1-Methylnaphthalene	0.0202	0.00500	"	0.0333	ND	60.5	15-130	0.474	50
2-Methylnaphthalene	0.0189	0.00500	"	0.0333	ND	56.8	15-130	0.444	50
Surrogate: 2-Methylnaphthalene-d10	0.0199		"	0.0333		59.6	40-150		
Surrogate: Fluoranthene-d10	0.0252		"	0.0333		75.6	40-150		

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 14:29

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

December 29, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

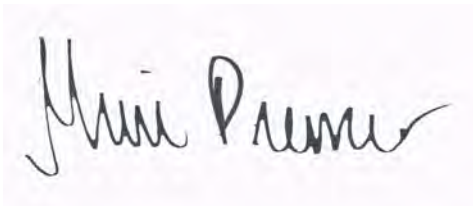
Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112322

Enclosed are the results of analyses for samples received by Summit Scientific on 12/17/21 17:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", is displayed on a light pink rectangular background.

Muri Premier For Paul Shrewsbury
President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
H34E@31'	2112322-01	Soil	12/17/21 15:00	12/17/21 17:20
I37B@33'	2112322-02	Soil	12/17/21 15:12	12/17/21 17:20
I38B@33'	2112322-03	Soil	12/17/21 15:18	12/17/21 17:20
H34N@31'	2112322-04	Soil	12/17/21 15:33	12/17/21 17:20

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.

2112322

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: DCP-Tasman

Address: 6855 119th Ave

City/State/Zip: Broomfield, CO 80020

Fax:

Sampler Name: Jackson Millsovich

Project Manager: Chandler Cole / Jeb Watts

E-Mail: lecole@midstream.com; Vikings@fasman-geo.com; jwatts@fasman-geo.com

Project Name: Paralee #1

Project Number:

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:								Special Instructions		
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	Table 915-1 VOLs	Table 915-1 TPH	Table 915-1 VOC-methylnaphthalene								
H34E@31'	12/17/21	1500	Z			X			X			X	X	X								
I37B@33'	12/17/21	1512	Z			X			X			X	X	X								
I38B@33'	12/17/21	1514	Z			X			X			X	X	X								
H34N@31'	12/17/21	1533	Z			X			X			X	X	X								
Relinquished by: Jackson Millsbach	Date/Time: 12/17/21 T: 1720	Received by: Tabman Lockbox	Date/Time: 12/17/21 T: 1720	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/>								Notes: Bill to DLP										
Relinquished by:	Date/Time:	Received by:	Date/Time:																			
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:									Sample Integrity: Temperature Upon Receipt: 9.0 Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>										

S₂

Sample Receipt Checklist

S2 Work Order# 2112322Client: DGP/TasmanClient Project ID: Parmlee#1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other: _____

(Describe)


Temp (°C)

9.0

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

 Custodian Printed Name or Initials

12-17-21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

H34E@31'
2112322-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/17/21 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0411	12/18/21	12/18/21	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: **12/17/21 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		89.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/17/21 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0412	"	12/18/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		115 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

H34E@31'
2112322-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/17/21 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0415	12/20/21	12/26/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		51.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		55.4 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

I37B@33'
2112322-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/17/21 15:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0411	12/18/21	12/18/21	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: **12/17/21 15:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.1 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/17/21 15:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0412	"	12/18/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		97.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

I37B@33'
2112322-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/17/21 15:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0415	12/20/21	12/26/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:12**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		67.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		70.3 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

I38B@33'
2112322-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/17/21 15:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0411	12/18/21	12/18/21	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: **12/17/21 15:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		85.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		134 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/17/21 15:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0412	"	12/18/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		101 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

I38B@33'
2112322-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/17/21 15:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0415	12/20/21	12/26/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:18**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		56.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		57.8 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

H34N@31'
2112322-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/17/21 15:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0411	12/18/21	12/18/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.034	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: **12/17/21 15:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		87.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		133 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/17/21 15:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0412	"	12/18/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:33**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		107 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

H34N@31'
2112322-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/17/21 15:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0415	12/20/21	12/26/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/17/21 15:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		60.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		62.8 %	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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0411 - EPA 5030 Soil MS

Blank (BEL0411-BLK1)

Prepared & Analyzed: 12/18/21

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	0.0258		"	0.0400		64.4	23-173			
Surrogate: Toluene-d8	0.0316		"	0.0400		79.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.4	21-167			

LCS (BEL0411-BS1)

Prepared & Analyzed: 12/18/21

Benzene	0.124	0.0020	mg/kg	0.100		124	70-130			
Toluene	0.113	0.0050	"	0.100		113	70-130			
Ethylbenzene	0.0988	0.0050	"	0.100		98.8	70-130			
m,p-Xylene	0.183	0.010	"	0.200		91.6	70-130			
o-Xylene	0.0867	0.0050	"	0.100		86.7	70-130			
1,2,4-Trimethylbenzene	0.0854	0.0050	"	0.100		85.4	70-130			
1,3,5-Trimethylbenzene	0.0884	0.0050	"	0.100		88.4	70-130			
Naphthalene	0.0834	0.0038	"	0.100		83.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0336		"	0.0400		84.1	23-173			
Surrogate: Toluene-d8	0.0583		"	0.0400		146	20-170			
Surrogate: 4-Bromofluorobenzene	0.0425		"	0.0400		106	21-167			

Matrix Spike (BEL0411-MS1)

Source: 2112322-01

Prepared & Analyzed: 12/18/21

Benzene	0.125	0.0020	mg/kg	0.100	ND	125	70-130			
Toluene	0.115	0.0050	"	0.100	ND	115	70-130			
Ethylbenzene	0.0975	0.0050	"	0.100	ND	97.5	70-130			
m,p-Xylene	0.176	0.010	"	0.200	ND	87.9	70-130			
o-Xylene	0.0848	0.0050	"	0.100	ND	84.8	70-130			
1,2,4-Trimethylbenzene	0.0861	0.0050	"	0.100	ND	86.1	70-130			
1,3,5-Trimethylbenzene	0.0857	0.0050	"	0.100	ND	85.7	70-130			
Naphthalene	0.0886	0.0038	"	0.100	ND	88.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0352		"	0.0400		88.0	23-173			
Surrogate: Toluene-d8	0.0451		"	0.0400		113	20-170			
Surrogate: 4-Bromofluorobenzene	0.0444		"	0.0400		111	21-167			

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: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0411 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0411-MSD1)		Source: 2112322-01			Prepared & Analyzed: 12/18/21					
Benzene	0.121	0.0020	mg/kg	0.100	ND	121	70-130	3.39	30	
Toluene	0.111	0.0050	"	0.100	ND	111	70-130	3.66	30	
Ethylbenzene	0.0943	0.0050	"	0.100	ND	94.3	70-130	3.38	30	
m,p-Xylene	0.172	0.010	"	0.200	ND	86.0	70-130	2.24	30	
o-Xylene	0.0821	0.0050	"	0.100	ND	82.1	70-130	3.13	30	
1,2,4-Trimethylbenzene	0.0820	0.0050	"	0.100	ND	82.0	70-130	4.93	30	
1,3,5-Trimethylbenzene	0.0836	0.0050	"	0.100	ND	83.6	70-130	2.48	30	
Naphthalene	0.0960	0.0038	"	0.100	ND	96.0	70-130	7.96	30	
Surrogate: 1,2-Dichloroethane-d4		0.0356	"	0.0400		88.9	23-173			
Surrogate: Toluene-d8		0.0451	"	0.0400		113	20-170			
Surrogate: 4-Bromofluorobenzene		0.0438	"	0.0400		110	21-167			

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: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0412 - EPA 3550A

Blank (BEL0412-BLK1)

Prepared & Analyzed: 12/18/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0412-BS1)

Prepared & Analyzed: 12/18/21

C10-C28 (DRO)	464	50	mg/kg	500	92.8	70-130
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Matrix Spike (BEL0412-MS1)

Source: 2112322-01

Prepared & Analyzed: 12/18/21

C10-C28 (DRO)	448	50	mg/kg	500	39.6	81.8	70-130
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Matrix Spike Dup (BEL0412-MSD1)

Source: 2112322-01

Prepared & Analyzed: 12/18/21

C10-C28 (DRO)	461	50	mg/kg	500	39.6	84.3	70-130	2.85	20
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Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0415 - EPA 5030 Soil MS

Blank (BEL0415-BLK1)

Prepared: 12/20/21 Analyzed: 12/26/21

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	0.0352		"	0.0333		106	40-150			
Surrogate: Fluoranthene-d10	0.0317		"	0.0333		95.2	40-150			

LCS (BEL0415-BS1)

Prepared: 12/20/21 Analyzed: 12/26/21

Acenaphthene	0.0309	0.00500	mg/kg	0.0333	92.6	31-137
Anthracene	0.0291	0.00500	"	0.0333	87.4	30-120
Benzo (a) anthracene	0.0290	0.00500	"	0.0333	87.0	30-120
Benzo (a) pyrene	0.0290	0.00500	"	0.0333	86.9	30-120
Benzo (b) fluoranthene	0.0339	0.00500	"	0.0333	102	30-120
Benzo (k) fluoranthene	0.0354	0.00500	"	0.0333	106	30-120
Chrysene	0.0320	0.00500	"	0.0333	96.1	30-120
Dibenz (a,h) anthracene	0.0347	0.00500	"	0.0333	104	30-120
Fluoranthene	0.0271	0.00500	"	0.0333	81.3	30-120
Fluorene	0.0311	0.00500	"	0.0333	93.3	30-120
Indeno (1,2,3-cd) pyrene	0.0234	0.00500	"	0.0333	70.3	30-120
Pyrene	0.0418	0.00500	"	0.0333	125	35-142
1-Methylnaphthalene	0.0291	0.00500	"	0.0333	87.2	35-142
2-Methylnaphthalene	0.0301	0.00500	"	0.0333	90.3	35-142
Surrogate: 2-Methylnaphthalene-d10	0.0307		"	0.0333	92.0	40-150
Surrogate: Fluoranthene-d10	0.0320		"	0.0333	96.0	40-150

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0415 - EPA 5030 Soil MS

Matrix Spike (BEL0415-MS1)			Source: 2112210-02		Prepared: 12/20/21		Analyzed: 12/26/21			
Acenaphthene	0.0216	0.00500	mg/kg	0.0333	ND	64.9	31-137			
Anthracene	0.0212	0.00500	"	0.0333	ND	63.7	30-120			
Benzo (a) anthracene	0.0244	0.00500	"	0.0333	ND	73.1	30-120			
Benzo (a) pyrene	0.0218	0.00500	"	0.0333	ND	65.3	30-120			
Benzo (b) fluoranthene	0.0263	0.00500	"	0.0333	ND	78.9	30-120			
Benzo (k) fluoranthene	0.0258	0.00500	"	0.0333	ND	77.4	30-120			
Chrysene	0.0237	0.00500	"	0.0333	ND	71.0	30-120			
Dibenz (a,h) anthracene	0.0207	0.00500	"	0.0333	ND	62.2	30-120			
Fluoranthene	0.0190	0.00500	"	0.0333	0.00202	50.9	30-120			
Fluorene	0.0225	0.00500	"	0.0333	ND	67.6	30-120			
Indeno (1,2,3-cd) pyrene	0.0153	0.00500	"	0.0333	ND	46.0	30-120			
Pyrene	0.0167	0.00500	"	0.0333	0.00443	36.9	35-142			
1-Methylnaphthalene	0.0213	0.00500	"	0.0333	ND	63.9	15-130			
2-Methylnaphthalene	0.0220	0.00500	"	0.0333	ND	66.0	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0219		"	0.0333		65.8	40-150			
Surrogate: Fluoranthene-d10	0.0248		"	0.0333		74.4	40-150			

Matrix Spike Dup (BEL0415-MSD1)			Source: 2112210-02		Prepared: 12/20/21		Analyzed: 12/26/21			
Acenaphthene	0.0242	0.00500	mg/kg	0.0333	ND	72.5	31-137	11.1	30	
Anthracene	0.0229	0.00500	"	0.0333	ND	68.7	30-120	7.67	30	
Benzo (a) anthracene	0.0254	0.00500	"	0.0333	ND	76.1	30-120	4.11	30	
Benzo (a) pyrene	0.0233	0.00500	"	0.0333	ND	69.9	30-120	6.81	30	
Benzo (b) fluoranthene	0.0257	0.00500	"	0.0333	ND	77.1	30-120	2.21	30	
Benzo (k) fluoranthene	0.0257	0.00500	"	0.0333	ND	77.2	30-120	0.260	30	
Chrysene	0.0263	0.00500	"	0.0333	ND	78.8	30-120	10.4	30	
Dibenz (a,h) anthracene	0.0216	0.00500	"	0.0333	ND	64.9	30-120	4.18	30	
Fluoranthene	0.0211	0.00500	"	0.0333	0.00202	57.2	30-120	10.5	30	
Fluorene	0.0247	0.00500	"	0.0333	ND	74.0	30-120	9.09	30	
Indeno (1,2,3-cd) pyrene	0.0160	0.00500	"	0.0333	ND	47.9	30-120	3.90	30	
Pyrene	0.0174	0.00500	"	0.0333	0.00443	38.9	35-142	3.92	30	
1-Methylnaphthalene	0.0234	0.00500	"	0.0333	ND	70.2	15-130	9.42	50	
2-Methylnaphthalene	0.0226	0.00500	"	0.0333	ND	67.8	15-130	2.68	50	
Surrogate: 2-Methylnaphthalene-d10	0.0243		"	0.0333		72.8	40-150			
Surrogate: Fluoranthene-d10	0.0269		"	0.0333		80.7	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
12/29/21 16:51

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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

January 03, 2022

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Parmlee #1

Work Order #2112381

Enclosed are the results of analyses for samples received by Summit Scientific on 12/21/21 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
I37W@27'	2112381-01	Soil	12/21/21 11:57	12/21/21 15:00
J42N@27'	2112381-02	Soil	12/21/21 12:13	12/21/21 15:00

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.

2112381

303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Sampler Name: Jackson M. Masovich

Project Number:

www.s2scientific.com

S₂

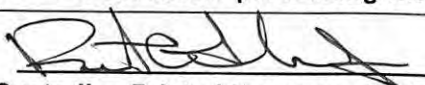
Sample Receipt Checklist

S2 Work Order # 2112381Client: DCP-Tasman Client Project ID: Parmlee#1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____
☐ ☒ ☐ ☐ ☐
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C)	<u>7.9</u>
-----------	------------

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on ICE</u>
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Same day</u>
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

 Custodian Printed Name or Initials

12-21-21
 Date/Time



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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

I37W@27'
2112381-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/21/21 11:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0483	12/21/21	12/21/21	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: **12/21/21 11:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/21/21 11:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0489	12/21/21	12/21/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/21/21 11:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		87.9 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

I37W@27'
2112381-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/21/21 11:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0512	12/22/21	12/26/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/21/21 11:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		69.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		67.7 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

J42N@27'
2112381-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/21/21 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BEL0483	12/21/21	12/21/21	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: **12/21/21 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.0 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **12/21/21 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0489	12/21/21	12/21/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/21/21 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		76.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

J42N@27'
2112381-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **12/21/21 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
1-Methylnaphthalene	ND	0.00500	mg/kg	1	BEL0512	12/22/21	12/26/21	EPA 8270D SIM	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/21/21 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10		55.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		47.6 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0483 - EPA 5030 Soil MS

Blank (BEL0483-BLK1)

Prepared & Analyzed: 12/21/21

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	0.0426		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0415		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.5	21-167			

LCS (BEL0483-BS1)

Prepared & Analyzed: 12/21/21

Benzene	0.0612	0.0020	mg/kg	0.0750		81.6	70-130			
Toluene	0.0687	0.0050	"	0.0750		91.6	70-130			
Ethylbenzene	0.0633	0.0050	"	0.0750		84.4	70-130			
m,p-Xylene	0.128	0.010	"	0.150		85.5	70-130			
o-Xylene	0.0662	0.0050	"	0.0750		88.3	70-130			
1,2,4-Trimethylbenzene	0.0658	0.0050	"	0.0750		87.8	70-130			
1,3,5-Trimethylbenzene	0.0656	0.0050	"	0.0750		87.4	70-130			
Naphthalene	0.0601	0.0038	"	0.0750		80.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0424		"	0.0400		106	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

Matrix Spike (BEL0483-MS1)

Source: 2112381-01

Prepared & Analyzed: 12/21/21

Benzene	0.0628	0.0020	mg/kg	0.0750	ND	83.7	70-130			
Toluene	0.0681	0.0050	"	0.0750	ND	90.8	70-130			
Ethylbenzene	0.0614	0.0050	"	0.0750	0.00330	77.4	70-130			
m,p-Xylene	0.122	0.010	"	0.150	ND	81.2	70-130			
o-Xylene	0.0638	0.0050	"	0.0750	ND	85.1	70-130			
1,2,4-Trimethylbenzene	0.0643	0.0050	"	0.0750	ND	85.7	70-130			
1,3,5-Trimethylbenzene	0.0625	0.0050	"	0.0750	ND	83.3	70-130			
Naphthalene	0.0663	0.0038	"	0.0750	ND	88.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0446		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0415		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.0	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Reporting				Spike	Source	%REC			RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0483 - EPA 5030 Soil MS

Matrix Spike Dup (BEL0483-MSD1)		Source: 2112381-01			Prepared & Analyzed: 12/21/21					
Benzene	0.0628	0.0020	mg/kg	0.0750	ND	83.8	70-130	0.0955	30	
Toluene	0.0696	0.0050	"	0.0750	ND	92.8	70-130	2.09	30	
Ethylbenzene	0.0631	0.0050	"	0.0750	0.00330	79.7	70-130	2.70	30	
m,p-Xylene	0.127	0.010	"	0.150	ND	84.9	70-130	4.50	30	
o-Xylene	0.0664	0.0050	"	0.0750	ND	88.6	70-130	4.01	30	
1,2,4-Trimethylbenzene	0.0665	0.0050	"	0.0750	ND	88.7	70-130	3.39	30	
1,3,5-Trimethylbenzene	0.0654	0.0050	"	0.0750	ND	87.2	70-130	4.64	30	
Naphthalene	0.0692	0.0038	"	0.0750	ND	92.2	70-130	4.21	30	
Surrogate: 1,2-Dichloroethane-d4	0.0435		"	0.0400		109	23-173			
Surrogate: Toluene-d8	0.0414		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0397		"	0.0400		99.3	21-167			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0489 - EPA 3550A

Blank (BEL0489-BLK1)

Prepared & Analyzed: 12/21/21

C10-C28 (DRO)	ND	50	mg/kg
C28-C36 (ORO)	ND	50	"

LCS (BEL0489-BS1)

Prepared & Analyzed: 12/21/21

C10-C28 (DRO)	435	50	mg/kg	500	87.0	70-130
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Matrix Spike (BEL0489-MS1)

Source: 2112381-02

Prepared & Analyzed: 12/21/21

C10-C28 (DRO)	368	50	mg/kg	500	17.6	70.2	70-130
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Matrix Spike Dup (BEL0489-MSD1)

Source: 2112381-02

Prepared & Analyzed: 12/21/21

C10-C28 (DRO)	386	50	mg/kg	500	17.6	73.7	70-130	4.67	20
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Parmlee #1
Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0512 - EPA 5030 Soil MS

Blank (BEL0512-BLK1)

Prepared: 12/22/21 Analyzed: 12/25/21

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	0.0249		"	0.0333		74.8	40-150			
Surrogate: Fluoranthene-d10	0.0254		"	0.0333		76.2	40-150			

LCS (BEL0512-BS1)

Prepared: 12/22/21 Analyzed: 12/25/21

Acenaphthene	0.0191	0.00500	mg/kg	0.0333		57.2	31-137			
Anthracene	0.0212	0.00500	"	0.0333		63.6	30-120			
Benzo (a) anthracene	0.0207	0.00500	"	0.0333		62.1	30-120			
Benzo (a) pyrene	0.0202	0.00500	"	0.0333		60.5	30-120			
Benzo (b) fluoranthene	0.0231	0.00500	"	0.0333		69.3	30-120			
Benzo (k) fluoranthene	0.0270	0.00500	"	0.0333		81.1	30-120			
Chrysene	0.0221	0.00500	"	0.0333		66.2	30-120			
Dibenz (a,h) anthracene	0.0124	0.00500	"	0.0333		37.2	30-120			
Fluoranthene	0.0209	0.00500	"	0.0333		62.6	30-120			
Fluorene	0.0207	0.00500	"	0.0333		62.2	30-120			
Indeno (1,2,3-cd) pyrene	0.0212	0.00500	"	0.0333		63.5	30-120			
Pyrene	0.0232	0.00500	"	0.0333		69.6	35-142			
1-Methylnaphthalene	0.0164	0.00500	"	0.0333		49.1	35-142			
2-Methylnaphthalene	0.0199	0.00500	"	0.0333		59.8	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0202		"	0.0333		60.5	40-150			
Surrogate: Fluoranthene-d10	0.0214		"	0.0333		64.1	40-150			

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

PAH by EPA Method 8270D SIM - Quality Control

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Analyte	Reporting			Spike Level	Source		%REC		RPD	
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

Batch BEL0512 - EPA 5030 Soil MS

Matrix Spike (BEL0512-MS1)			Source: 2112299-01		Prepared: 12/22/21		Analyzed: 12/25/21			
Acenaphthene	0.0184	0.00500	mg/kg	0.0333	ND	55.2	31-137			
Anthracene	0.0125	0.00500	"	0.0333	ND	37.5	30-120			
Benzo (a) anthracene	0.0120	0.00500	"	0.0333	ND	36.0	30-120			
Benzo (a) pyrene	0.0108	0.00500	"	0.0333	ND	32.3	30-120			
Benzo (b) fluoranthene	0.0130	0.00500	"	0.0333	ND	39.1	30-120			
Benzo (k) fluoranthene	0.0142	0.00500	"	0.0333	ND	42.6	30-120			
Chrysene	0.0121	0.00500	"	0.0333	ND	36.3	30-120			
Dibenz (a,h) anthracene	0.0169	0.00500	"	0.0333	ND	50.8	30-120			
Fluoranthene	0.0115	0.00500	"	0.0333	ND	34.6	30-120			
Fluorene	0.0157	0.00500	"	0.0333	ND	47.0	30-120			
Indeno (1,2,3-cd) pyrene	0.0140	0.00500	"	0.0333	ND	42.1	30-120			
Pyrene	0.0143	0.00500	"	0.0333	ND	43.0	35-142			
1-Methylnaphthalene	0.0411	0.00500	"	0.0333	0.0454	NR	15-130			QM-07
2-Methylnaphthalene	0.0591	0.00500	"	0.0333	0.0849	NR	15-130			QM-07
Surrogate: 2-Methylnaphthalene-d10	0.0136		"	0.0333		40.9	40-150			
Surrogate: Fluoranthene-d10	0.0151		"	0.0333		45.2	40-150			

Matrix Spike Dup (BEL0512-MSD1)			Source: 2112299-01		Prepared: 12/22/21		Analyzed: 12/25/21			
Acenaphthene	0.0240	0.00500	mg/kg	0.0333	ND	71.9	31-137	26.3	30	
Anthracene	0.0159	0.00500	"	0.0333	ND	47.6	30-120	23.7	30	
Benzo (a) anthracene	0.0137	0.00500	"	0.0333	ND	41.0	30-120	13.0	30	
Benzo (a) pyrene	0.0123	0.00500	"	0.0333	ND	36.8	30-120	12.8	30	
Benzo (b) fluoranthene	0.0157	0.00500	"	0.0333	ND	47.2	30-120	18.8	30	
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.2	30-120	20.3	30	
Chrysene	0.0145	0.00500	"	0.0333	ND	43.6	30-120	18.4	30	
Dibenz (a,h) anthracene	0.0139	0.00500	"	0.0333	ND	41.8	30-120	19.5	30	
Fluoranthene	0.0136	0.00500	"	0.0333	ND	40.9	30-120	16.9	30	
Fluorene	0.0167	0.00500	"	0.0333	ND	50.2	30-120	6.59	30	
Indeno (1,2,3-cd) pyrene	0.0147	0.00500	"	0.0333	ND	44.2	30-120	4.66	30	
Pyrene	0.0177	0.00500	"	0.0333	ND	53.1	35-142	21.1	30	
1-Methylnaphthalene	0.0515	0.00500	"	0.0333	0.0454	18.5	15-130	22.5	50	
2-Methylnaphthalene	0.0752	0.00500	"	0.0333	0.0849	NR	15-130	24.0	50	QM-07
Surrogate: 2-Methylnaphthalene-d10	0.0187		"	0.0333		56.0	40-150			
Surrogate: Fluoranthene-d10	0.0178		"	0.0333		53.3	40-150			

Summit Scientific

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

Project: Parmlee #1

Project Number: [none]
Project Manager: Jeb Watts

Reported:
01/03/22 14:17

Notes and Definitions

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.
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

Project Name:
DCP Parmlee #1

Site Location:
~7mi NE of Roggen (Weld
County, CO)

Date: 11/9/2021 – 11/19/2021

Photographed By:
Tasman Geosciences

Photo No.
1

Direction Photo Taken:
Northwest

Description:

Looking northwest at the
damaged gathering line.



Photo No.
2

Direction Photo Taken:
West

Description:

Looking west at the open
excavation.





Project Name: DCP Parmlee #1		Site Location: ~7mi NE of Roggen (Weld County, CO)	Photographed By: Tasman Geosciences
Photo No. 3			
Direction Photo Taken: Northwest			
Description: Looking northwest at the open excavation.			

Photo No. 4		
Direction Photo Taken: North		
Description: Looking north at staged soil pile.		


Project Name: DCP Parmlee #1		Site Location: ~7mi NE of Roggen (Weld County, CO)	Date: 11/23/2021 – 12/13/2021 Photographed By: Tasman Geosciences
Photo No. 5			
Direction Photo Taken: South			
Description: Looking south at open excavation along the eastern wall.			

Photo No. 6			
Direction Photo Taken: Southwest			
Description: Looking southwest at backfilled SE corner of the excavation.			



Project Name: DCP Parmlee #1		Site Location: ~7mi NE of Roggen (Weld County, CO)	Date: 12/14/2021 – 12/16/2021 Photographed By: Tasman Geosciences
Photo No. 7			
Direction Photo Taken: Northwest			
Description: Looking northwest at open excavation.			

Photo No. 8			
Direction Photo Taken: Northwest			
Description: Contaminated soil layer on northwest wall.			



Project Name: DCP Parmlee #1		Site Location: ~7mi NE of Roggen (Weld County, CO)	Date: 12/23/2021 Photographed By: Tasman Geosciences
Photo No. 9			
Direction Photo Taken: West			
Description: Looking west at the south end of the exposed gathering line after partially backfilling.			

Photo No. 10			
Direction Photo Taken: Northwest			
Description: Looking northwest at the north end of the exposed gathering line after partially backfilling.			


Project Name: DCP Parmlee #1		Site Location: ~7mi NE of Roggen (Weld County, CO)	Date: 12/23/2021 Photographed By: Tasman Geosciences
Photo No. 11			
Direction Photo Taken: North			
Description: Looking north at mostly backfilled excavation area.			

Photo No. 12			
Direction Photo Taken: Northeast			
Description: Looking northeast at the partially backfilled northwest excavation corner.			