

January 19, 2017

BRIAN HUMPHREY TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - BE-7-4 LOOP

Enclosed are the results of analyses for samples received by the laboratory on 01/19/17 9:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

TASMAN GEOSCIENCES BRIAN HUMPHREY 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:

Received:	01/19/2017	Sampling Date:	01/19/2017
Reported:	01/19/2017	Sampling Type:	Soil
Project Name:	DCP - BE-7-4 LOOP	Sampling Condition:	Cool & Intact
Project Number:	BE-7-4 LOOP	Sample Received By:	Brittany Feller
Project Location:	CARLSBAD, NM		

Sample ID: BS 03 @ 17' (H700124-01)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	<0.050	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	<0.150	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTEX	<0.300	0.300	01/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.6-14	0						
TPH 8015M	mg/kg Analyze		Analyze	zed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/19/2017	ND	195	97.3	200	1.16	
DRO >C10-C28	<10.0	10.0	01/19/2017	ND	201	100	200	0.152	
Surrogate: 1-Chlorooctane	74.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	74.8	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BE-7-4 LOOP

CARLSBAD, NM

Sample Received By:

01/19/2017

Cool & Intact

Brittany Feller

Soil

Analytical Results For:

	TASMAN GEOSCIENCES	
	BRIAN HUMPHREY	
	6899 PECOS ST. UNIT C	
	DENVER CO, 80221	
	Fax To:	
01/19/2017		Sampling Date:
01/19/2017		Sampling Type:
DCP - BE-7-4 LOOP		Sampling Condition:

Sample ID: SS 07 @ 7' (H700124-02)

Received:

Reported:

Project Name:

Project Number:

Project Location:

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.304	
Toluene*	<0.050	0.050	01/19/2017	ND	1.88	93.8	2.00	0.0865	
Ethylbenzene*	<0.050	0.050	01/19/2017	ND	1.90	95.0	2.00	0.169	
Total Xylenes*	<0.150	0.150	01/19/2017	ND	5.38	89.7	6.00	0.0756	
Total BTEX	<0.300	0.300	01/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
TPH 8015M	mg/kg Analyze		Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/19/2017	ND	195	97.3	200	1.16	
DRO >C10-C28	<10.0	10.0	01/19/2017	ND	201	100	200	0.152	
Surrogate: 1-Chlorooctane	83.8	% 35-147	,						
Surrogate: 1-Chlorooctadecane	92.3	% 28-171							

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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