

McCartney Engineering, LLC  
4251 Kipling Street. #575  
Wheat Ridge CO 80033

Jack McCartney  
Project Number: [none]  
Project: Fulenwieder

12-10

7/31/2019 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

**GEL Laboratories, LLC**  
Y907484-03 (Water)

**Alkalinity by SM 2320B**

Alkalinity, Total as CaCO <sub>3</sub>	705	4.00	mg/L	1	1904197	RXB5	07/31/2019	08/07/2019	
Bicarbonate alkalinity (CaCO <sub>3</sub> )	242	4.00	"	"	"	RXB5	"	"	
Carbonate alkalinity (CaCO <sub>3</sub> )	462	4.00	"	"	"	RXB5	"	"	

**Anions by EPA 300.0**

Chloride	350	20.0	mg/L	100	1903109	JLD1	"	08/04/2019	
Sulfate	0.271	0.400	"	1	"	JLD1	"	08/02/2019	J

**BTEX by EPA 8260D**

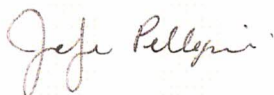
Benzene	163	4.00	ug/L	4	B9H0703	KDK	08/07/2019	08/08/2019	
Toluene	106	4.00	"	"	"	KDK	"	"	
Ethylbenzene	96.1	4.00	"	"	"	KDK	"	"	
Xylenes, total	498	4.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130			"	"		"	
Surrogate: Toluene-d8	99.5 %	70-130			"	"		"	
Surrogate: 4-Bromofluorobenzene	111 %	70-130			"	"		"	

**Dissolved Metals by EPA 200.8**

Calcium	3650	200	ug/L	1	1903482	BAJ	08/04/2019	08/05/2019	
Magnesium	39.7	30.0	"	"	"	BAJ	"	"	
Potassium	20000	300	"	"	"	BAJ	"	"	
Sodium	520000	12500	"	50	"	BAJ	"	08/06/2019	

Origins Laboratory, Inc.



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

McCartney Engineering, LLC

4251 Kipling Street. #575

Wheat Ridge CO 80033

Jack McCartney

Project Number: [none]

Project: Fulenwieder

12-10

7/31/2019 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

GEL Laboratories, LLC

Y907484-03 (Water)

## GRO (TVPH)/DRO (TEPH) by EPA 8015D

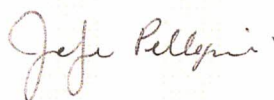
Gasoline (C6-C10)	12.6	2.50	mg/L	1	B9G3101	KDK	07/31/2019	08/01/2019	
Diesel (C10-C28)	32.7	2.50	"	"	"	KDK	"	"	

Surrogate: o-Terphenyl	96.2 %	50-150			"	"		"	
------------------------	--------	--------	--	--	---	---	--	---	--

## TDS by EPA 160.1

Total Dissolved Solids	1870	14.3	mg/L	1	1904051	KLP1	07/31/2019	08/06/2019	
------------------------	------	------	------	---	---------	------	------------	------------	--

Origins Laboratory, Inc.



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