

# Certificate of Analysis

eANALYTICS  
LABORATORY

January 20<sup>th</sup>, 2014

CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA (Lab Work Order - 517)

On January 6<sup>th</sup>, 2014, eAnalytics Laboratory received 1 sample for the project named 1-10488-143841AA. As stated on the chain of custody, the requested analyses were for the following:

Analysis	Analytical Method	Samples
pH	SM4500H	1-1
Specific Conductance	SM2510B	1-1
Total Dissolved Solids (TDS)	SM2540C	1-1
Alkalinity	SM2320B	1-1
Anions - Br Cl SO4 NO3 NO2 F1	EPA 300.1	1-1
Phosphorus	EPA 365.4	1-1
Cations - Ba B Ca Fe Mg Mn K Se Na Sr	EPA 6010C	1-1
Dissolved Methane Ethane Propane	RSK175	1-1
Presence of Bacteria	HACH-BART	1-1
BTEX & TPH-GRO	EPA 8260B	1-1
TPH-DRO	EPA 8015C	1-1

All quality control analyses associated with the requested tests were satisfactorily passed before the samples were run. Thank you for allowing eAnalytics Laboratory to provide laboratory services for you. If you have any questions please give us a call, we are happy to help.

Sincerely,



Christopher Dieken  
Quality Assurance Manager



Todd Rhea  
Laboratory Manager

eAnalytics Laboratory  
(970) 667-6975





# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA

Methods: SM4500H (pH) SM2510B (Specific Conductance)  
SM2540C (TDS) SM2320B (Alkalinity)

Date Received: 01/06/14

## Water Sample Analysis

Sample Name	pH	Specific Conductance mmhos/cm	TDS mg/L	Total Alkalinity mg/L as CaCO <sub>3</sub>	Date Sampled	Date Analyzed	Lab ID
43821-5	6.74	4.46	1960	190	01/06/14	01/08/14	517-1

# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA

Methods: EPA8260C (BTEX / TPH-GRO)  
EPA8015C (TPH-DRO)

Date Received: 01/06/14

## Water Sample Analysis

Sample Name	Benzene ug/L	Toluene ug/L	Ethyl- benzene ug/L	Total Xylenes ug/L	TPH-GRO C <sub>6</sub> -C <sub>10</sub> mg/L	TPH-DRO C <sub>10</sub> -C <sub>28</sub> mg/L	Date Sampled	Date Analyzed	Lab ID
43821-5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.5	< 1.0	01/06/14	01/08/14	517-1

# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA  
Methods: EPA8260C (BTEX)

Date Received: 01/08/14

## Surrogate Recoveries (%)

Sample Name	Dibromofluoromethane Acceptance (70-130%)	1,2-Dichloroethane-D4 Acceptance (70-130%)	Toluene-D8 Acceptance (70-130%)	Bromofluorobenzene Acceptance (70-130%)	Date Sampled	Date Analyzed	Lab ID
43821-5	95	97	97	96	01/06/14	01/08/14	517-1

# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA  
Methods: EPA6010C (COGCC Groundwater Baseline Metals)

Date Received: 01/06/14

## Total Metals Analysis

Sample Name	Barium mg/L	Boron mg/L	Calcium mg/L	Iron mg/L	Magnesium mg/L	Manganese mg/L	Phosphorus mg/L	Date Sampled	Date Analyzed	Lab ID
43821-5	0.016	0.101	26.8	0.029	23.1	< 0.01	< 0.005	01/06/14	01/13/14	517-1

# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA  
Methods: EPA6010C (COGCC Groundwater Baseline Metals)

Date Received: 01/06/14

## Total Metals Analysis

Sample Name	Potassium mg/L	Selenium mg/L	Sodium mg/L	Strontium mg/L	Date Sampled	Date Analyzed	Lab ID
43821-5	0.332	< 0.005	286	0.379	01/06/14	01/13/14	517-1

# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA  
Methods: RSK175 (Dissolved Gases)

Date Received: 01/06/14

## Water Sample Analysis

Sample Name	Methane ug/L	Ethane ug/L	Propane ug/L	Date Sampled	Date Analyzed	Lab ID
43821-5	< 100	< 150	< 80	01/06/14	01/08/14	517-1

# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA  
Methods: EPA 300.1 (Anions)

Date Received: 01/06/14

## Water Sample Analysis

Sample Name	Bromide mg/L	Chloride mg/L	Fluoride mg/L	Nitrate mg/L	Nitrite mg/L	Sulfate mg/L	Date Sampled	Date Analyzed	Lab ID
43821-5	0.5	99.3	1.3	< 0.5	< 0.5	2150	01/06/14	01/06/14	517-1

# Certificate of Analysis

## Sample Information

Client: CGRS  
1301 Academy Court  
Fort Collins CO 80524

Project: 1-10488-14381AA  
Methods: HACH-BART (Presence of Bacteria)

Date Received: 01/06/14

## Total Metals Analysis

Sample Name	Iron Related Bacteria cfu/mL	Sulfate Reducing Bacteria cfu/mL	Slime Forming Bacteria cfu/mL	Date Sampled	Date Analyzed	Lab ID
43821-5	Positive	Positive	Positive	01/06/14	01/07-15/14	517-1