

**Surface Water Monitoring Report  
For Tepee Park Ranch Project Area  
Garfield County, Colorado**

**October 2010**

*Prepared for:*

**Rob Vincent  
Black Diamond Minerals**



**MINERALS, LLC  
1600 Stout St., Suite 1710  
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*Prepared by:*



**300 E. Mineral Ave., Suite 7  
Littleton, CO 80122  
303-781-8211**

## 1.0 INTRODUCTION

In order to establish a baseline for the water quality of Beaver Creek and Tepee Creek within Black Diamond Minerals, LLC Tepee Park Project Area, Buys & Associates, Inc. (B&A) was contracted by Black Diamond to collect water quality data. A map of the facility locations is shown on **Figure 1**. B&A previously collected water samples on October 7 and 8, 2009, May 28, 2009, December 3, 2009, and May 7, 2010; those results are included in **Appendix B**. Tepee Park Ranch is located in the White River National Forest.

Field parameters were identified to comply with the standards set forth by Colorado Oil and Gas Conservation Commission (COGCC) Rule 317B, EPA Drinking Water Standards, Colorado Department of Public Health and Environment (CDPHE) Outstanding Waters, and the city Rifle. Beaver Creek and its tributaries are considered Aquatic Life, Cold 1, Recreation E, by the Stream Classifications and Water Quality Standards set forth by the CDPHE, amended 2009.

Samples were collected and field parameters measured at four (4) locations (**figure 1**). Sample locations one (1) and two (2) are located on Beaver Creek and Tepee Creek respectively and are upstream from any facilities. Sample location three (3) is along Tepee Creek below facility locations and location four (4) is along Beaver Creek at the northern edge of the Project Area, downstream from all facility locations.

Collected water quality data included field measurements of pH, specific conductance, dissolved oxygen, temperature, and turbidity. Laboratory analysis was completed for basic water parameters, hydrocarbons, major cations and anions, metals, and hydrocarbons.

## **2.0 Methods**

Field activities for this investigation were conducted on October 18, 2010.

- Field measurements of pH, conductivity, dissolved oxygen, total dissolved solids, and temperature, using a Horiba U22 water meter.
- Collection of surface water samples from each location.

Samples were collected by dipping the sample containers directly into the water. The samples were labeled, logged onto a chain of custody form and were placed on ice in a cooler and shipped to Environmental Science Corporation in Mt. Juliet, Tennessee for analysis. Additional samples were collected for E-coli and were placed on ice and delivered to Grand Junction Laboratories.

### 3.0 Analytical Results

**Table 1** summarizes the field parameters and laboratory analytical results for the surface water samples collected from Beaver Creek and Tepees Creek. The laboratory analytical sheets are contained in **Appendix A** and past analytical results are in **Appendix B**.

**Table 1. Water sampling analytical results, October 18, 2010.**

|                                             | EPA Drinking Water Standards | Colorado Aquatic Life Standards (acute) <sup>1</sup> | Sample Location |          |          |          |
|---------------------------------------------|------------------------------|------------------------------------------------------|-----------------|----------|----------|----------|
| Parameter                                   |                              |                                                      | 001             | 002      | 003      | 004      |
| Field Parameters                            |                              |                                                      |                 |          |          |          |
| Specific Conductance (umhos/cm)             |                              |                                                      | 222             | 166      | 182      | 269      |
| Field pH (standard units)                   | 6.5-8.5                      | 6.5-9.0                                              | 7.61            | 6.74     | 7.25     | 7.50     |
| Temperature (°C)                            |                              |                                                      | 3.03            | 3.61     | 3.91     | 4.78     |
| Dissolved Solids-Field(g/L)                 |                              |                                                      | 0.14            | 0.11     | 0.12     | 0.18     |
| Suspended solids-Lab(mg/L)                  |                              |                                                      | <1.0            | 2.8      | <1.0     | 1.1      |
| Dissolved solids-Lab(mg/L)                  | 500                          |                                                      | 150             | 120      | 130      | 160      |
| Turbidity-Field(NTU)                        |                              |                                                      | 3.5             | 1.8      | 4.5      | 1.4      |
| Dissolved Oxygen-Field (g/L)                |                              | 6.0                                                  | 12.84           | 12.62    | 12.62    | 12.19    |
| Alkalinity                                  |                              |                                                      | 98              | 81       | 91       | 160      |
| Hardness-Total (mg/L as CaCO <sub>3</sub> ) |                              |                                                      | 100             | 76       | 97       | 120      |
| Nitrate-Nitrite (mg/L)                      |                              |                                                      | <0.10           | <0.10    | <0.10    | <0.10    |
| Phosphorous, Total (mg/L)                   |                              |                                                      | <0.10           | 0.12     | <0.10    | 0.57     |
| E-coli (colonies/100ml)                     |                              | 126                                                  | 0               | 2        | 0        | 0        |
| Petroleum Constituents                      |                              |                                                      |                 |          |          |          |
| Benzene (mg/L)                              | 0.005                        | 5.3                                                  | <0.00050        | <0.00050 | <0.00050 | <0.00050 |
| Toluene (mg/L)                              | 1                            | 17.5                                                 | <0.0050         | <0.0050  | <0.0050  | <0.0050  |
| Ethylbenzene (mg/L)                         | 0.7                          | 32                                                   | <0.00050        | <0.00050 | <0.00050 | <0.00050 |
| Total Xylenes mg/L)                         | 10                           |                                                      | <0.0015         | <0.0015  | <0.0015  | <0.0015  |
| TPH (GC/FID) Low Fraction (mg/L)            |                              |                                                      | <0.10           | <0.10    | <0.10    | <0.10    |
| TPH (GC/FID) High Fraction (mg/L)           |                              |                                                      | <0.10           | <0.10    | <0.10    | <0.10    |
| Anions                                      |                              |                                                      |                 |          |          |          |
| Ammonia Nitrogen (mg/L)                     |                              |                                                      | <0.10           | <0.10    | <0.10    | <0.10    |
| Chloride (mg/L)                             | 250 <sup>2</sup>             |                                                      | <1.0            | <1.0     | <1.0     | <1.0     |
| Fluoride (mg/L)                             | 4.0                          |                                                      | <0.10           | <0.10    | <0.10    | <0.10    |
| Sulfate (mg/L)                              | 250 <sup>2</sup>             |                                                      | 18              | 9.4      | 10       | 17       |
| Cations and Trace Metals                    |                              |                                                      |                 |          |          |          |
| Arsenic (mg/L)                              | 0.010                        |                                                      | 0.0032          | 0.0018   | 0.0024   | 0.0030   |
| Barium (mg/L)                               | 2                            |                                                      | 0.031           | 0.026    | 0.027    | 0.043    |
| Cadmium (mg/L)                              | 0.005                        |                                                      | <0.0050         | <0.0050  | <0.0050  | <0.0050  |
| Calcium (mg/L)                              |                              |                                                      | 30              | 22       | 24       | 36       |
| Chromium (mg/L)                             | 0.1                          |                                                      | <0.010          | <0.010   | <0.010   | <0.010   |
| Copper (mg/L)                               | 1.0 <sup>2</sup>             |                                                      | <0.10           | <0.10    | <0.10    | <0.10    |
| Iron (mg/L)                                 | 0.3 <sup>2</sup>             |                                                      | <0.10           | <0.10    | <0.10    | <0.10    |
| Lead (mg/L)                                 | 0.015                        |                                                      | <0.0050         | <0.0050  | <0.0050  | <0.0050  |
| Magnesium (mg/L)                            |                              |                                                      | 4.4             | 3.6      | 4.4      | 6.3      |
| Manganese (mg/L)                            | 0.05 <sup>2</sup>            |                                                      | <0.010          | <0.010   | <0.010   | <0.010   |
| Selenium (mg/L)                             | 0.05                         |                                                      | <0.020          | <0.020   | <0.020   | <0.020   |
| Silver (mg/L)                               | 0.1                          |                                                      | <0.010          | <0.010   | <0.010   | <0.010   |
| Sodium (mg/L)                               |                              |                                                      | 14              | 9.7      | 10       | 14       |
| Zinc (mg/L)                                 | 5.0                          |                                                      | <0.030          | <0.030   | <0.030   | <0.030   |

<sup>1</sup> Chronic aquatic life standard (Colorado Water Quality Standards, 5 CCR 1002-31)

<sup>2</sup> Federal Drinking Quality Secondary Standards

| Parameter                                       | Sample ID |           |           |           |
|-------------------------------------------------|-----------|-----------|-----------|-----------|
|                                                 | 001       | 002       | 003       | 004       |
| <b>Polynuclear Aromatic Hydrocarbons (PAHs)</b> |           |           |           |           |
| Anthracene (mg/L)                               | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Acenaphthene (mg/L)                             | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Acenaphthylene (mg/L)                           | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Benzo (a) anthracene (mg/L)                     | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Benzo (a) pyrene (mg/L)                         | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Benzo (b) fluoranthene (mg/L)                   | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Benzo (g, h, i) perylene (mg/L)                 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Benzo (k) fluoranthene (mg/L)                   | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Chrysene (mg/L)                                 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Dibenz (a, h) anthracene (mg/L)                 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Fluoranthene (mg/L)                             | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Fluorene (mg/L)                                 | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Indeno (1, 2, 3-cd) pyrene (mg/L)               | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Naphthalene (mg/L)                              | <0.00025  | <0.00025  | <0.00025  | <0.00025  |
| Phenanthrene (mg/L)                             | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| Pyrene (mg/L)                                   | <0.000050 | <0.000050 | <0.000050 | <0.000050 |
| 1-Methylnaphthalene (mg/L)                      | <0.00025  | <0.00025  | <0.00025  | <0.00025  |
| 2-Methylnaphthalene (mg/L)                      | <0.00025  | <0.00025  | <0.00025  | <0.00025  |
| 2-Chloronaphthalene (mg/L)                      | <0.00025  | <0.00025  | <0.00025  | <0.00025  |

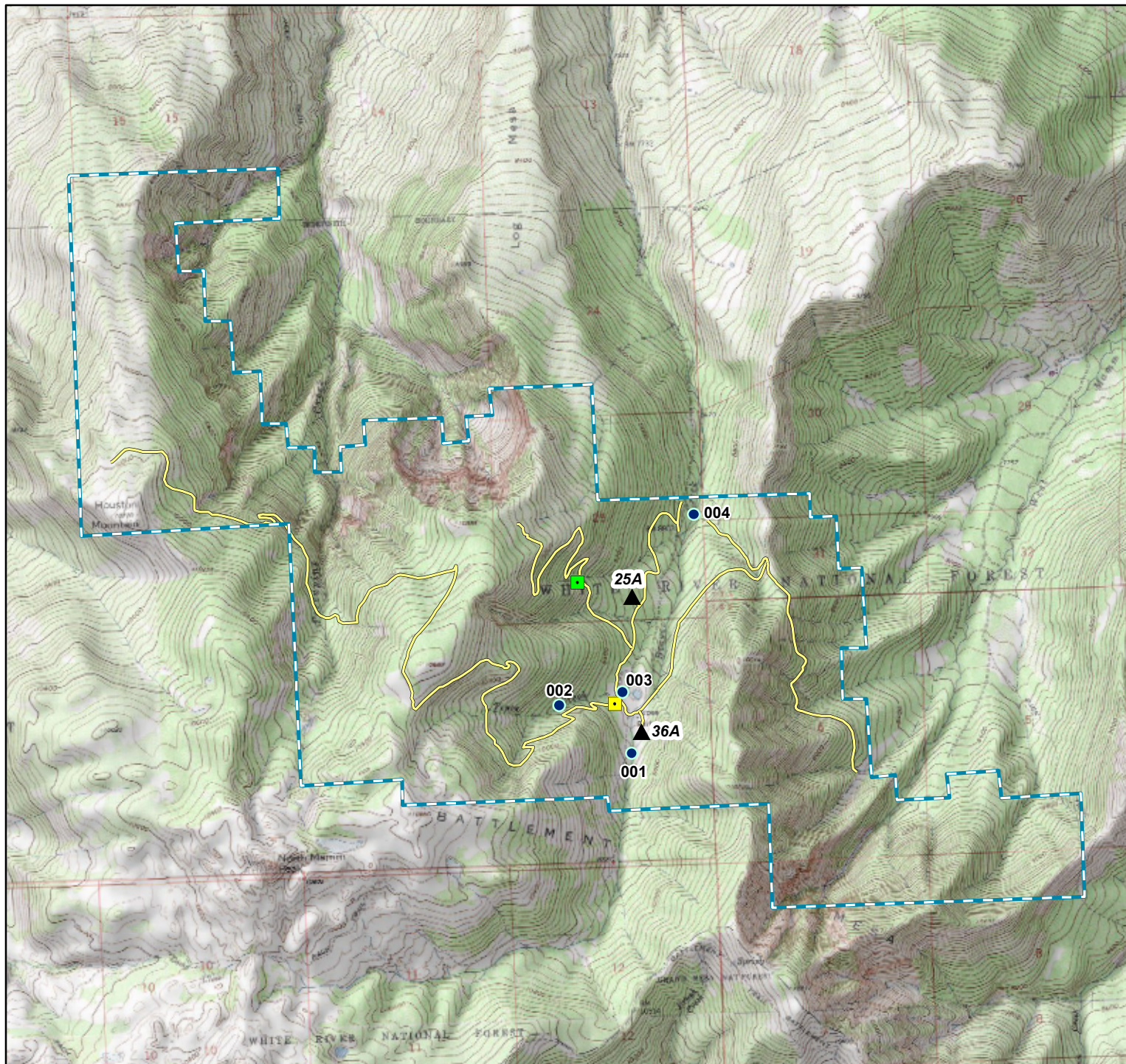
## **4.0 Conclusion**

All of the lab results and the field parameters collected from surface waters on October 18, 2010 are within the acceptable ranges.

## **5.0 Warranty**

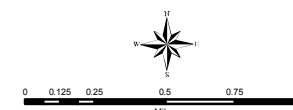
Buy's & Associates, Inc. warrants that the services performed were conducted in a competent and professional manner in accordance with sound consulting practices and procedures. Buy's & Associates, Inc. cannot warrant the actual site conditions described in this report beyond matters amendable to the site inspections.



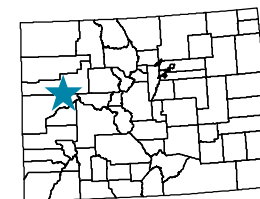


### Legend

- Property Boundary
- Water Sample Points
- Tepee Park Frac Pit
- Borrow Pit
- Well Locations
- Roads



### Project Location



**Black Diamond  
Minerals, LLC**

Tepee Park  
Water Sample  
Locations  
Garfield County,  
Colorado

Figure 1 | November 2010

**Buys & Associates, Inc.**

## APPENDIX A



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

### Report Summary

Thursday October 28, 2010

Report Number: L484557

Samples Received: 10/19/10

Client Project: 499-03

Description: Tepee Park Ranch

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915

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Est. 1970

# REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Tepee Park Ranch

Sample ID : 001 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 10:45

ESC Sample # : L484557-01

Site ID :

Project # : 499-03

| Parameter                       | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|---------------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                        | BDL    | 1.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Fluoride                        | BDL    | 0.10       | mg/l   | 9056      | 10/21/10 | 1    |
| Sulfate                         | 18.    | 5.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Alkalinity                      | 98.    | 20.        | mg/l   | 2320B     | 10/25/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 100    | 30.        | mg/l   | 130.1     | 10/21/10 | 1    |
| Ammonia Nitrogen                | BDL    | 0.10       | mg/l   | 350.1     | 10/25/10 | 1    |
| Nitrate-Nitrite                 | BDL    | 0.10       | mg/l   | 353.2     | 10/25/10 | 1    |
| Phosphorus, Total               | BDL    | 0.10       | mg/l   | 365.1     | 10/22/10 | 1    |
| Turbidity                       | 1.2    | 0.10       | NTU    | SM2130B   | 10/19/10 | 1    |
| Dissolved Solids                | 150    | 10.        | mg/l   | 2540C     | 10/22/10 | 1    |
| Suspended Solids                | BDL    | 1.0        | mg/l   | 2540D     | 10/21/10 | 1    |
| Arsenic                         | 0.0032 | 0.0010     | mg/l   | 6020      | 10/24/10 | 1    |
| Barium                          | 0.031  | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Cadmium                         | BDL    | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Calcium                         | 30.    | 0.50       | mg/l   | 6010B     | 10/24/10 | 1    |
| Chromium                        | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Copper                          | BDL    | 0.10       | mg/l   | 6010B     | 10/24/10 | 5    |
| Iron                            | BDL    | 0.10       | mg/l   | 6010B     | 10/24/10 | 1    |
| Lead                            | BDL    | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Magnesium                       | 4.4    | 0.10       | mg/l   | 6010B     | 10/24/10 | 1    |
| Manganese                       | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Selenium                        | BDL    | 0.020      | mg/l   | 6010B     | 10/24/10 | 1    |
| Silver                          | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Sodium                          | 14.    | 0.50       | mg/l   | 6010B     | 10/28/10 | 1    |
| Zinc                            | BDL    | 0.030      | mg/l   | 6010B     | 10/24/10 | 1    |
| Benzene                         | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Toluene                         | BDL    | 0.0050     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Ethylbenzene                    | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Total Xylene                    | BDL    | 0.0015     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| TPH (GC/FID) Low Fraction       | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate Recovery-%            |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)     | 96.4   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |
| a,a,a-Trifluorotoluene(PID)     | 100.   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Tepee Park Ranch

Sample ID : 001 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 10:45

ESC Sample # : L484557-01

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 91.7   |            | % Rec. | 8015      | 10/20/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 101.   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| 2-Fluorobiphenyl                  | 98.2   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| p-Terphenyl-d14                   | 94.7   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 10/28/10 10:54 Printed: 10/28/10 10:54

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Teepee Park Ranch

Sample ID : 003 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 11:20

ESC Sample # : L484557-02

Site ID :

Project # : 499-03

| Parameter                       | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|---------------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                        | BDL    | 1.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Fluoride                        | BDL    | 0.10       | mg/l   | 9056      | 10/21/10 | 1    |
| Sulfate                         | 10.    | 5.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Alkalinity                      | 91.    | 20.        | mg/l   | 2320B     | 10/25/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 97.    | 30.        | mg/l   | 130.1     | 10/21/10 | 1    |
| Ammonia Nitrogen                | BDL    | 0.10       | mg/l   | 350.1     | 10/25/10 | 1    |
| Nitrate-Nitrite                 | BDL    | 0.10       | mg/l   | 353.2     | 10/25/10 | 1    |
| Phosphorus, Total               | BDL    | 0.10       | mg/l   | 365.1     | 10/22/10 | 1    |
| Turbidity                       | 0.60   | 0.10       | NTU    | SM2130B   | 10/19/10 | 1    |
| Dissolved Solids                | 130    | 10.        | mg/l   | 2540C     | 10/22/10 | 1    |
| Suspended Solids                | BDL    | 1.0        | mg/l   | 2540D     | 10/21/10 | 1    |
| Arsenic                         | 0.0024 | 0.0010     | mg/l   | 6020      | 10/24/10 | 1    |
| Barium                          | 0.027  | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Cadmium                         | BDL    | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Calcium                         | 24.    | 0.50       | mg/l   | 6010B     | 10/24/10 | 1    |
| Chromium                        | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Copper                          | BDL    | 0.10       | mg/l   | 6010B     | 10/24/10 | 5    |
| Iron                            | BDL    | 0.10       | mg/l   | 6010B     | 10/24/10 | 1    |
| Lead                            | BDL    | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Magnesium                       | 4.4    | 0.10       | mg/l   | 6010B     | 10/24/10 | 1    |
| Manganese                       | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Selenium                        | BDL    | 0.020      | mg/l   | 6010B     | 10/24/10 | 1    |
| Silver                          | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Sodium                          | 10.    | 0.50       | mg/l   | 6010B     | 10/28/10 | 1    |
| Zinc                            | BDL    | 0.030      | mg/l   | 6010B     | 10/24/10 | 1    |
| Benzene                         | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Toluene                         | BDL    | 0.0050     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Ethylbenzene                    | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Total Xylene                    | BDL    | 0.0015     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| TPH (GC/FID) Low Fraction       | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate Recovery-%            |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)     | 97.1   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |
| a,a,a-Trifluorotoluene(PID)     | 100.   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Teepee Park Ranch

Sample ID : 003 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 11:20

ESC Sample # : L484557-02

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 94.2   |            | % Rec. | 8015      | 10/20/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 99.2   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| 2-Fluorobiphenyl                  | 101.   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| p-Terphenyl-d14                   | 89.0   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 10/28/10 10:54 Printed: 10/28/10 10:54



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1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Teepee Park Ranch

Sample ID : 002 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 12:00

ESC Sample # : L484557-03

Site ID :

Project # : 499-03

| Parameter                       | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|---------------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                        | BDL    | 1.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Fluoride                        | BDL    | 0.10       | mg/l   | 9056      | 10/21/10 | 1    |
| Sulfate                         | 9.4    | 5.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Alkalinity                      | 81.    | 20.        | mg/l   | 2320B     | 10/25/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 76.    | 30.        | mg/l   | 130.1     | 10/21/10 | 1    |
| Ammonia Nitrogen                | BDL    | 0.10       | mg/l   | 350.1     | 10/25/10 | 1    |
| Nitrate-Nitrite                 | BDL    | 0.10       | mg/l   | 353.2     | 10/25/10 | 1    |
| Phosphorus, Total               | 0.12   | 0.10       | mg/l   | 365.1     | 10/22/10 | 1    |
| Turbidity                       | 0.70   | 0.10       | NTU    | SM2130B   | 10/19/10 | 1    |
| Dissolved Solids                | 120    | 10.        | mg/l   | 2540C     | 10/22/10 | 1    |
| Suspended Solids                | 2.8    | 1.0        | mg/l   | 2540D     | 10/21/10 | 1    |
| Arsenic                         | 0.0018 | 0.0010     | mg/l   | 6020      | 10/24/10 | 1    |
| Barium                          | 0.026  | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Cadmium                         | BDL    | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Calcium                         | 22.    | 0.50       | mg/l   | 6010B     | 10/24/10 | 1    |
| Chromium                        | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Copper                          | BDL    | 0.10       | mg/l   | 6010B     | 10/24/10 | 5    |
| Iron                            | BDL    | 0.10       | mg/l   | 6010B     | 10/24/10 | 1    |
| Lead                            | BDL    | 0.0050     | mg/l   | 6010B     | 10/24/10 | 1    |
| Magnesium                       | 3.6    | 0.10       | mg/l   | 6010B     | 10/24/10 | 1    |
| Manganese                       | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Selenium                        | BDL    | 0.020      | mg/l   | 6010B     | 10/24/10 | 1    |
| Silver                          | BDL    | 0.010      | mg/l   | 6010B     | 10/24/10 | 1    |
| Sodium                          | 9.7    | 0.50       | mg/l   | 6010B     | 10/28/10 | 1    |
| Zinc                            | BDL    | 0.030      | mg/l   | 6010B     | 10/24/10 | 1    |
| Benzene                         | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Toluene                         | BDL    | 0.0050     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Ethylbenzene                    | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Total Xylene                    | BDL    | 0.0015     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| TPH (GC/FID) Low Fraction       | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate Recovery-%            |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)     | 97.0   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |
| a,a,a-Trifluorotoluene(PID)     | 100.   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Tepee Park Ranch

Sample ID : 002 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 12:00

ESC Sample # : L484557-03

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 93.5   |            | % Rec. | 8015      | 10/20/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 88.7   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| 2-Fluorobiphenyl                  | 96.5   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| p-Terphenyl-d14                   | 92.2   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Teepee Park Ranch

Sample ID : 004 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 12:30

ESC Sample # : L484557-04

Site ID :

Project # : 499-03

| Parameter                       | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|---------------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                        | BDL    | 1.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Fluoride                        | BDL    | 0.10       | mg/l   | 9056      | 10/21/10 | 1    |
| Sulfate                         | 17.    | 5.0        | mg/l   | 9056      | 10/21/10 | 1    |
| Alkalinity                      | 160    | 20.        | mg/l   | 2320B     | 10/25/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 120    | 30.        | mg/l   | 130.1     | 10/21/10 | 1    |
| Ammonia Nitrogen                | BDL    | 0.10       | mg/l   | 350.1     | 10/25/10 | 1    |
| Nitrate-Nitrite                 | BDL    | 0.10       | mg/l   | 353.2     | 10/25/10 | 1    |
| Phosphorus, Total               | 0.57   | 0.10       | mg/l   | 365.1     | 10/22/10 | 1    |
| Turbidity                       | 1.4    | 0.10       | NTU    | SM2130B   | 10/19/10 | 1    |
| Dissolved Solids                | 160    | 10.        | mg/l   | 2540C     | 10/22/10 | 1    |
| Suspended Solids                | 1.1    | 1.0        | mg/l   | 2540D     | 10/21/10 | 1    |
| Arsenic                         | 0.0030 | 0.0010     | mg/l   | 6020      | 10/24/10 | 1    |
| Barium                          | 0.043  | 0.0050     | mg/l   | 6010B     | 10/26/10 | 1    |
| Cadmium                         | BDL    | 0.0050     | mg/l   | 6010B     | 10/26/10 | 1    |
| Calcium                         | 36.    | 0.50       | mg/l   | 6010B     | 10/26/10 | 1    |
| Chromium                        | BDL    | 0.010      | mg/l   | 6010B     | 10/26/10 | 1    |
| Copper                          | BDL    | 0.020      | mg/l   | 6010B     | 10/26/10 | 1    |
| Iron                            | BDL    | 0.10       | mg/l   | 6010B     | 10/26/10 | 1    |
| Lead                            | BDL    | 0.0050     | mg/l   | 6010B     | 10/26/10 | 1    |
| Magnesium                       | 6.3    | 0.10       | mg/l   | 6010B     | 10/26/10 | 1    |
| Manganese                       | BDL    | 0.010      | mg/l   | 6010B     | 10/26/10 | 1    |
| Selenium                        | BDL    | 0.020      | mg/l   | 6010B     | 10/26/10 | 1    |
| Silver                          | BDL    | 0.010      | mg/l   | 6010B     | 10/26/10 | 1    |
| Sodium                          | 14.    | 0.50       | mg/l   | 6010B     | 10/26/10 | 1    |
| Zinc                            | BDL    | 0.030      | mg/l   | 6010B     | 10/26/10 | 1    |
| Benzene                         | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Toluene                         | BDL    | 0.0050     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Ethylbenzene                    | BDL    | 0.00050    | mg/l   | 8021/8015 | 10/20/10 | 1    |
| Total Xylene                    | BDL    | 0.0015     | mg/l   | 8021/8015 | 10/20/10 | 1    |
| TPH (GC/FID) Low Fraction       | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate Recovery-%            |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)     | 96.2   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |
| a,a,a-Trifluorotoluene(PID)     | 100.   |            | % Rec. | 8021/8015 | 10/20/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

October 28, 2010

Date Received : October 19, 2010  
Description : Tepee Park Ranch

Sample ID : 004 6 IN

Collected By : DV/DS  
Collection Date : 10/18/10 12:30

ESC Sample # : L484557-04

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 8015      | 10/20/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 87.8   |            | % Rec. | 8015      | 10/20/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 10/26/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 91.0   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| 2-Fluorobiphenyl                  | 92.5   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |
| p-Terphenyl-d14                   | 89.6   |            | % Rec. | 8270C-SIM | 10/26/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Attachment A  
List of Analytes with QC Qualifiers

| Sample<br>Number | Work<br>Group | Sample<br>Type | Analyte           | Run<br>ID | Qualifier |
|------------------|---------------|----------------|-------------------|-----------|-----------|
| L484557-01       | WG504646      | SAMP           | Copper            | R1441910  | O         |
| L484557-02       | WG504646      | SAMP           | Copper            | R1441910  | O         |
| L484557-03       | WG504646      | SAMP           | Copper            | R1441910  | O         |
| L484557-04       | WG504215      | SAMP           | Phosphorus, Total | R1440129  | J3        |

Attachment B  
Explanation of QC Qualifier Codes

| Qualifier | Meaning                                                                                                                                                                                              |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J3        | The associated batch QC was outside the established quality control range for precision.                                                                                                             |
| O         | (ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution. |

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
10/28/10 at 10:55:01

TSR Signing Reports: 134  
R5 - Desired TAT

Sample: L484557-01 Account: BUYSGJCO Received: 10/19/10 09:00 Due Date: 10/26/10 00:00 RPT Date: 10/28/10 10:54  
Sample: L484557-02 Account: BUYSGJCO Received: 10/19/10 09:00 Due Date: 10/26/10 00:00 RPT Date: 10/28/10 10:54  
Sample: L484557-03 Account: BUYSGJCO Received: 10/19/10 09:00 Due Date: 10/26/10 00:00 RPT Date: 10/28/10 10:54  
Sample: L484557-04 Account: BUYSGJCO Received: 10/19/10 09:00 Due Date: 10/26/10 00:00 RPT Date: 10/28/10 10:54



**YOUR LAB OF CHOICE**

Buys and Associates, Inc - GJ, CO  
Derek Veazey  
838 Grand Avenue, Suite 100

Grand Junction, CO 81501

Quality Assurance Report  
Level II

L484557

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

October 28, 2010

| Analyte                         | Result  | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|---------------------------------|---------|------------------|-------|--------|----------|----------------|
|                                 |         | Units            | % Rec |        |          |                |
| Turbidity                       | < .1    | NTU              |       |        | WG504128 | 10/19/10 14:25 |
| Benzene                         | < .0005 | mg/l             |       |        | WG504250 | 10/20/10 07:09 |
| Ethylbenzene                    | < .0005 | mg/l             |       |        | WG504250 | 10/20/10 07:09 |
| Toluene                         | < .005  | mg/l             |       |        | WG504250 | 10/20/10 07:09 |
| TPH (GC/FID) Low Fraction       | < .1    | mg/l             |       |        | WG504250 | 10/20/10 07:09 |
| Total Xylene                    | < .0015 | mg/l             |       |        | WG504250 | 10/20/10 07:09 |
| a,a,a-Trifluorotoluene(FID)     |         | % Rec.           | 97.25 | 62-128 | WG504250 | 10/20/10 07:09 |
| a,a,a-Trifluorotoluene(PID)     |         | % Rec.           | 101.2 | 55-122 | WG504250 | 10/20/10 07:09 |
| Hardness, Total (mg/L as CaCO3) | < 30    | mg/l             |       |        | WG504261 | 10/21/10 14:13 |
| TPH (GC/FID) High Fraction      | < .1    | ppm              |       |        | WG504291 | 10/20/10 17:18 |
| o-Terphenyl                     |         | % Rec.           | 99.41 | 50-150 | WG504291 | 10/20/10 17:18 |
| Chloride                        | < 1     | mg/l             |       |        | WG504504 | 10/21/10 08:54 |
| Fluoride                        | < .1    | mg/l             |       |        | WG504504 | 10/21/10 08:54 |
| Sulfate                         | < 5     | mg/l             |       |        | WG504504 | 10/21/10 08:54 |
| Chloride                        | < 1     | mg/l             |       |        | WG504510 | 10/21/10 07:41 |
| Fluoride                        | < .1    | mg/l             |       |        | WG504510 | 10/21/10 07:41 |
| Sulfate                         | < 5     | mg/l             |       |        | WG504510 | 10/21/10 07:41 |
| Dissolved Solids                | < 10    | mg/l             |       |        | WG504433 | 10/22/10 11:04 |
| Phosphorus, Total               | < .1    | mg/l             |       |        | WG504215 | 10/22/10 12:41 |
| Arsenic                         | < .001  | mg/l             |       |        | WG504497 | 10/24/10 17:35 |
| Suspended Solids                | < 1     | mg/l             |       |        | WG504484 | 10/21/10 13:36 |
| Barium                          | < .005  | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Cadmium                         | < .005  | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Calcium                         | < .5    | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Chromium                        | < .01   | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Copper                          | < .02   | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Iron                            | < .1    | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Lead                            | < .005  | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Magnesium                       | < .1    | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Manganese                       | < .01   | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Selenium                        | < .02   | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Silver                          | < .01   | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Zinc                            | < .03   | mg/l             |       |        | WG504646 | 10/24/10 16:12 |
| Alkalinity                      | < 20    | mg/l             |       |        | WG505011 | 10/25/10 13:45 |
| Ammonia Nitrogen                | < .1    | mg/l             |       |        | WG504589 | 10/25/10 20:06 |

\* Performance of this Analyte is outside of established criteria.

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| Analyte                | Result   | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|------------------------|----------|------------------|-------|--------|----------|----------------|
|                        |          | Units            | % Rec |        |          |                |
| Nitrate-Nitrite        | < .1     | mg/l             |       |        | WG504831 | 10/25/10 14:25 |
| 1-Methylnaphthalene    | < .00025 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| 2-Chloronaphthalene    | < .00025 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| 2-Methylnaphthalene    | < .00025 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Acenaphthene           | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Acenaphthylene         | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Anthracene             | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Benzo(a)anthracene     | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Benzo(a)pyrene         | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Benzo(b)fluoranthene   | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Benzo(g,h,i)perylene   | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Benzo(k)fluoranthene   | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Chrysene               | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Dibenz(a,h)anthracene  | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Fluoranthene           | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Fluorene               | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Indeno(1,2,3-cd)pyrene | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Naphthalene            | < .00025 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Phenanthrene           | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| Pyrene                 | < .00005 | mg/l             |       |        | WG504894 | 10/26/10 15:22 |
| 2-Fluorobiphenyl       |          | % Rec.           | 99.47 | 10-139 | WG504894 | 10/26/10 15:22 |
| Nitrobenzene-d5        |          | % Rec.           | 103.1 | 31-121 | WG504894 | 10/26/10 15:22 |
| p-Terphenyl-d14        |          | % Rec.           | 104.0 | 21-136 | WG504894 | 10/26/10 15:22 |
| Sodium                 | < .5     | mg/l             |       |        | WG505073 | 10/28/10 00:26 |

| Analyte                         | Units | Result  | Duplicate |       | Limit | Ref Samp   | Batch    |
|---------------------------------|-------|---------|-----------|-------|-------|------------|----------|
|                                 |       |         | Duplicate | RPD   |       |            |          |
| Turbidity                       | NTU   | 1.10    | 1.20      | 8.70  | 20    | L484557-01 | WG504128 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 240.    | 240.      | 1.65  | 20    | L484636-01 | WG504261 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 220.    | 210.      | 2.35  | 20    | L484505-01 | WG504261 |
| Sulfate                         | mg/l  | 7.20    | 7.20      | 0.557 | 20    | L484072-06 | WG504504 |
| Chloride                        | mg/l  | 0       | 0         | 0     | 20    | L484557-04 | WG504504 |
| Fluoride                        | mg/l  | 0       | 0         | 0     | 20    | L484557-04 | WG504504 |
| Sulfate                         | mg/l  | 17.0    | 17.0      | 0.590 | 20    | L484557-04 | WG504504 |
| Chloride                        | mg/l  | 110.    | 110.      | 0.905 | 20    | L484363-02 | WG504510 |
| Chloride                        | mg/l  | 0       | 0         | 0     | 20    | L484557-03 | WG504510 |
| Fluoride                        | mg/l  | 0       | 0         | 0     | 20    | L484557-03 | WG504510 |
| Sulfate                         | mg/l  | 9.40    | 9.40      | 0.319 | 20    | L484557-03 | WG504510 |
| Dissolved Solids                | mg/l  | 170.    | 170.      | 0.590 | 5     | L484453-01 | WG504433 |
| Phosphorus, Total               | mg/l  | 0.810   | 0.570     | 35.3* | 20    | L484557-04 | WG504215 |
| Phosphorus, Total               | mg/l  | 1.20    | 1.40      | 11.3  | 20    | L484147-02 | WG504215 |
| Arsenic                         | mg/l  | 0.00110 | 0.00110   | 1.80  | 20    | L482256-02 | WG504497 |

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| Analyte          | Units | Result | Duplicate | RPD   | Limit | Ref Samp   | Batch    |
|------------------|-------|--------|-----------|-------|-------|------------|----------|
|                  |       |        | Duplicate |       |       |            |          |
| Suspended Solids | mg/l  | 12.0   | 11.0      | 6.59* | 5     | L484606-05 | WG504484 |
| Barium           | mg/l  | 0.0940 | 0.0916    | 3.12  | 20    | L484636-01 | WG504646 |
| Cadmium          | mg/l  | 0      | 0.000900  | NA    | 20    | L484636-01 | WG504646 |
| Calcium          | mg/l  | 58.0   | 56.6      | 1.58  | 20    | L484636-01 | WG504646 |
| Chromium         | mg/l  | 0      | 0.00200   | NA    | 20    | L484636-01 | WG504646 |
| Copper           | mg/l  | 0.0420 | 0.0370    | 12.7  | 20    | L484636-01 | WG504646 |
| Iron             | mg/l  | 4.20   | 4.12      | 1.92  | 20    | L484636-01 | WG504646 |
| Lead             | mg/l  | 0      | 0         | 0     | 20    | L484636-01 | WG504646 |
| Magnesium        | mg/l  | 20.0   | 19.4      | 1.03  | 20    | L484636-01 | WG504646 |
| Manganese        | mg/l  | 2.00   | 1.93      | 2.05  | 20    | L484636-01 | WG504646 |
| Selenium         | mg/l  | 0      | 0.00400   | NA    | 20    | L484636-01 | WG504646 |
| Silver           | mg/l  | 0      | 0.000300  | NA    | 20    | L484636-01 | WG504646 |
| Zinc             | mg/l  | 0.0840 | 0.0819    | 3.01  | 20    | L484636-01 | WG504646 |
| Alkalinity       | mg/l  | 110.   | 110.      | 1.83  | 20    | L483607-01 | WG505011 |
| Alkalinity       | mg/l  | 40.0   | 41.0      | 2.22  | 20    | L483624-07 | WG505011 |
| Ammonia Nitrogen | mg/l  | 0      | 0         | 0     | 20    | L484557-04 | WG504589 |
| Ammonia Nitrogen | mg/l  | 0.710  | 0.790     | 10.1  | 20    | L484091-01 | WG504589 |
| Nitrate-Nitrite  | mg/l  | 0      | 0         | 0     | 20    | L484195-02 | WG504831 |
| Nitrate-Nitrite  | mg/l  | 0      | 0         | 0     | 20    | L484690-01 | WG504831 |
| Sodium           | mg/l  | 110.   | 109.      | 0     | 20    | L485178-02 | WG505073 |

| Analyte                         | Units | Laboratory Control Sample |        | % Rec | Limit  | Batch    |
|---------------------------------|-------|---------------------------|--------|-------|--------|----------|
|                                 |       | Known Val                 | Result |       |        |          |
| Turbidity                       | NTU   | 40                        | 40.0   | 100.  | 85-115 | WG504128 |
| Benzene                         | mg/l  | .05                       | 0.0502 | 100.  | 79-114 | WG504250 |
| Ethylbenzene                    | mg/l  | .05                       | 0.0487 | 97.5  | 80-116 | WG504250 |
| Toluene                         | mg/l  | .05                       | 0.0471 | 94.1  | 79-112 | WG504250 |
| Total Xylene                    | mg/l  | .15                       | 0.141  | 93.8  | 84-118 | WG504250 |
| a,a,a-Trifluorotoluene(PID)     |       |                           |        | 100.5 | 55-122 | WG504250 |
| TPH (GC/FID) Low Fraction       | mg/l  | 5.5                       | 4.66   | 84.7  | 70-124 | WG504250 |
| a,a,a-Trifluorotoluene(FID)     |       |                           |        | 100.6 | 62-128 | WG504250 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 200                       | 206.   | 103.  | 85-115 | WG504261 |
| TPH (GC/FID) High Fraction      | ppm   | 1.5                       | 1.32   | 88.1  | 50-150 | WG504291 |
| o-Terphenyl                     |       |                           |        | 99.69 | 50-150 | WG504291 |
| Chloride                        | mg/l  | 40                        | 40.0   | 100.  | 90-110 | WG504504 |
| Fluoride                        | mg/l  | 8                         | 8.01   | 100.  | 90-110 | WG504504 |
| Sulfate                         | mg/l  | 40                        | 39.2   | 98.0  | 90-110 | WG504504 |
| Chloride                        | mg/l  | 40                        | 40.0   | 100.  | 90-110 | WG504510 |

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| Analyte                | Units | Laboratory Control<br>Known Val | Sample<br>Result | % Rec | Limit  | Batch    |
|------------------------|-------|---------------------------------|------------------|-------|--------|----------|
| Fluoride               | mg/l  | 8                               | 8.04             | 101.  | 90-110 | WG504510 |
| Sulfate                | mg/l  | 40                              | 40.1             | 100.  | 90-110 | WG504510 |
| Dissolved Solids       | mg/l  | 8800                            | 8630             | 98.1  | 85-115 | WG504433 |
| Phosphorus, Total      | mg/l  | 1                               | 1.10             | 110.  | 85-115 | WG504215 |
| Arsenic                | mg/l  | .0567                           | 0.0608           | 107.  | 85-115 | WG504497 |
| Suspended Solids       | mg/l  | 773                             | 780.             | 101.  | 85-115 | WG504484 |
| Barium                 | mg/l  | 1.13                            | 1.07             | 94.7  | 85-115 | WG504646 |
| Cadmium                | mg/l  | 1.13                            | 1.05             | 92.9  | 85-115 | WG504646 |
| Calcium                | mg/l  | 11.3                            | 11.0             | 97.3  | 85-115 | WG504646 |
| Chromium               | mg/l  | 1.13                            | 1.10             | 97.3  | 85-115 | WG504646 |
| Copper                 | mg/l  | 1.13                            | 1.02             | 90.3  | 85-115 | WG504646 |
| Iron                   | mg/l  | 1.13                            | 1.17             | 104.  | 85-115 | WG504646 |
| Lead                   | mg/l  | 1.13                            | 1.13             | 100.  | 85-115 | WG504646 |
| Magnesium              | mg/l  | 11.3                            | 11.1             | 98.2  | 85-115 | WG504646 |
| Manganese              | mg/l  | 1.13                            | 1.11             | 98.2  | 85-115 | WG504646 |
| Selenium               | mg/l  | 1.13                            | 1.03             | 91.2  | 85-115 | WG504646 |
| Silver                 | mg/l  | 1.13                            | 1.05             | 92.9  | 85-115 | WG504646 |
| Zinc                   | mg/l  | 1.13                            | 1.11             | 98.2  | 85-115 | WG504646 |
| Alkalinity             | mg/l  | 40                              | 37.6             | 94.0  | 85-115 | WG505011 |
| Ammonia Nitrogen       | mg/l  | 7.5                             | 6.93             | 92.4  | 90-110 | WG504589 |
| Nitrate-Nitrite        | mg/l  | 5                               | 5.18             | 104.  | 85-115 | WG504831 |
| 1-Methylnaphthalene    | mg/l  | .001                            | 0.000959         | 95.9  | 30-123 | WG504894 |
| 2-Chloronaphthalene    | mg/l  | .001                            | 0.00116          | 116.  | 34-120 | WG504894 |
| 2-Methylnaphthalene    | mg/l  | .001                            | 0.000950         | 95.0  | 29-116 | WG504894 |
| Acenaphthene           | mg/l  | .001                            | 0.000982         | 98.2  | 40-113 | WG504894 |
| Acenaphthylene         | mg/l  | .001                            | 0.00104          | 104.  | 36-115 | WG504894 |
| Anthracene             | mg/l  | .001                            | 0.00102          | 102.  | 45-118 | WG504894 |
| Benzo(a)anthracene     | mg/l  | .001                            | 0.00100          | 100.  | 36-129 | WG504894 |
| Benzo(a)pyrene         | mg/l  | .001                            | 0.000831         | 83.1  | 44-124 | WG504894 |
| Benzo(b)fluoranthene   | mg/l  | .001                            | 0.000959         | 95.9  | 43-126 | WG504894 |
| Benzo(g,h,i)perylene   | mg/l  | .001                            | 0.00105          | 105.  | 39-128 | WG504894 |
| Benzo(k)fluoranthene   | mg/l  | .001                            | 0.000883         | 88.3  | 44-127 | WG504894 |
| Chrysene               | mg/l  | .001                            | 0.000899         | 89.9  | 36-137 | WG504894 |
| Dibenz(a,h)anthracene  | mg/l  | .001                            | 0.000920         | 92.0  | 39-129 | WG504894 |
| Fluoranthene           | mg/l  | .001                            | 0.00112          | 112.  | 45-123 | WG504894 |
| Fluorene               | mg/l  | .001                            | 0.00114          | 114.  | 41-118 | WG504894 |
| Indeno(1,2,3-cd)pyrene | mg/l  | .001                            | 0.000950         | 95.0  | 39-129 | WG504894 |
| Naphthalene            | mg/l  | .001                            | 0.000987         | 98.7  | 26-111 | WG504894 |
| Phenanthrene           | mg/l  | .001                            | 0.00104          | 104.  | 41-116 | WG504894 |
| Pyrene                 | mg/l  | .001                            | 0.00119          | 119.  | 32-136 | WG504894 |
| 2-Fluorobiphenyl       |       |                                 |                  | 105.3 | 10-139 | WG504894 |

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| Analyte         | Units | Laboratory Control<br>Known Val | Sample<br>Result | % Rec | Limit  | Batch    |
|-----------------|-------|---------------------------------|------------------|-------|--------|----------|
| Nitrobenzene-d5 |       |                                 |                  | 108.9 | 31-121 |          |
| p-Terphenyl-d14 |       |                                 |                  | 109.1 | 21-136 |          |
| Sodium          | mg/l  | 11.3                            | 10.2             | 90.3  | 85-115 | WG505073 |

| Analyte                         | Units | Laboratory Control<br>Result | Ref      | Sample Duplicate<br>%Rec | Limit  | RPD    | Limit | Batch    |
|---------------------------------|-------|------------------------------|----------|--------------------------|--------|--------|-------|----------|
| Turbidity                       | NTU   | 42.0                         | 40.0     | 105.                     | 85-115 | 4.88   | 20    | WG504128 |
| Benzene                         | mg/l  | 0.0507                       | 0.0502   | 101.                     | 79-114 | 0.940  | 20    | WG504250 |
| Ethylbenzene                    | mg/l  | 0.0490                       | 0.0487   | 98.0                     | 80-116 | 0.440  | 20    | WG504250 |
| Toluene                         | mg/l  | 0.0478                       | 0.0471   | 96.0                     | 79-112 | 1.52   | 20    | WG504250 |
| Total Xylene                    | mg/l  | 0.141                        | 0.141    | 94.0                     | 84-118 | 0.150  | 20    | WG504250 |
| a,a,a-Trifluorotoluene(PID)     |       |                              |          | 100.1                    | 55-122 |        |       | WG504250 |
| TPH (GC/FID) Low Fraction       | mg/l  | 5.07                         | 4.66     | 92.0                     | 70-124 | 8.44   | 20    | WG504250 |
| a,a,a-Trifluorotoluene(FID)     |       |                              |          | 101.0                    | 62-128 |        |       | WG504250 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 201.                         | 206.     | 100.                     | 85-115 | 2.46   | 20    | WG504261 |
| TPH (GC/FID) High Fraction      | ppm   | 1.38                         | 1.32     | 92.0                     | 50-150 | 4.26   | 25    | WG504291 |
| o-Terphenyl                     |       |                              |          | 108.6                    | 50-150 |        |       | WG504291 |
| Chloride                        | mg/l  | 40.0                         | 40.0     | 100.                     | 90-110 | 0      | 20    | WG504504 |
| Fluoride                        | mg/l  | 7.98                         | 8.01     | 100.                     | 90-110 | 0.375  | 20    | WG504504 |
| Sulfate                         | mg/l  | 39.2                         | 39.2     | 98.0                     | 90-110 | 0      | 20    | WG504504 |
| Chloride                        | mg/l  | 40.1                         | 40.0     | 100.                     | 90-110 | 0.250  | 20    | WG504510 |
| Fluoride                        | mg/l  | 8.03                         | 8.04     | 100.                     | 90-110 | 0.124  | 20    | WG504510 |
| Sulfate                         | mg/l  | 39.9                         | 40.1     | 100.                     | 90-110 | 0.500  | 20    | WG504510 |
| Dissolved Solids                | mg/l  | 8640                         | 8630     | 98.0                     | 85-115 | 0.0926 | 20    | WG504433 |
| Phosphorus, Total               | mg/l  | 1.07                         | 1.10     | 107.                     | 85-115 | 2.76   | 20    | WG504215 |
| Suspended Solids                | mg/l  | 776.                         | 780.     | 100.                     | 85-115 | 0.514  | 20    | WG504484 |
| Alkalinity                      | mg/l  | 38.2                         | 37.6     | 96.0                     | 85-115 | 1.58   | 20    | WG505011 |
| Ammonia Nitrogen                | mg/l  | 6.77                         | 6.93     | 90.0                     | 90-110 | 2.34   | 20    | WG504589 |
| Nitrate-Nitrite                 | mg/l  | 4.89                         | 5.18     | 98.0                     | 85-115 | 5.76   | 20    | WG504831 |
| 1-Methylnaphthalene             | mg/l  | 0.000958                     | 0.000959 | 96.0                     | 30-123 | 0.116  | 32    | WG504894 |
| 2-Chloronaphthalene             | mg/l  | 0.00109                      | 0.00116  | 109.                     | 34-120 | 5.56   | 30    | WG504894 |
| 2-Methylnaphthalene             | mg/l  | 0.000891                     | 0.000950 | 89.0                     | 29-116 | 6.35   | 31    | WG504894 |
| Acenaphthene                    | mg/l  | 0.000933                     | 0.000982 | 93.0                     | 40-113 | 5.19   | 25    | WG504894 |
| Acenaphthylene                  | mg/l  | 0.000996                     | 0.00104  | 100.                     | 36-115 | 4.43   | 25    | WG504894 |

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report  
Level II

L484557

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(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

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Est. 1970

October 28, 2010

| Analyte                | Units | Laboratory Control Sample Duplicate |          |       | Limit  | RPD  | Limit | Batch    |
|------------------------|-------|-------------------------------------|----------|-------|--------|------|-------|----------|
|                        |       | Result                              | Ref      | %Rec  |        |      |       |          |
| Anthracene             | mg/l  | 0.000979                            | 0.00102  | 98.0  | 45-118 | 3.84 | 26    | WG504894 |
| Benzo(a)anthracene     | mg/l  | 0.000924                            | 0.00100  | 92.0  | 36-129 | 7.94 | 26    | WG504894 |
| Benzo(a)pyrene         | mg/l  | 0.000820                            | 0.000831 | 82.0  | 44-124 | 1.41 | 21    | WG504894 |
| Benzo(b)fluoranthene   | mg/l  | 0.000940                            | 0.000959 | 94.0  | 43-126 | 1.97 | 38    | WG504894 |
| Benzo(g,h,i)perylene   | mg/l  | 0.00110                             | 0.00105  | 110.  | 39-128 | 4.58 | 20    | WG504894 |
| Benzo(k)fluoranthene   | mg/l  | 0.000857                            | 0.000883 | 86.0  | 44-127 | 3.04 | 39    | WG504894 |
| Chrysene               | mg/l  | 0.000917                            | 0.000899 | 92.0  | 36-137 | 1.96 | 22    | WG504894 |
| Dibenz(a,h)anthracene  | mg/l  | 0.000971                            | 0.000920 | 97.0  | 39-129 | 5.41 | 20    | WG504894 |
| Fluoranthene           | mg/l  | 0.00103                             | 0.00112  | 103.  | 45-123 | 8.09 | 25    | WG504894 |
| Fluorene               | mg/l  | 0.00108                             | 0.00114  | 108.  | 41-118 | 4.89 | 26    | WG504894 |
| Indeno(1,2,3-cd)pyrene | mg/l  | 0.000986                            | 0.000950 | 98.0  | 39-129 | 3.66 | 20    | WG504894 |
| Naphthalene            | mg/l  | 0.000914                            | 0.000987 | 91.0  | 26-111 | 7.66 | 32    | WG504894 |
| Phenanthrene           | mg/l  | 0.000994                            | 0.00104  | 99.0  | 41-116 | 4.97 | 25    | WG504894 |
| Pyrene                 | mg/l  | 0.00124                             | 0.00119  | 124.  | 32-136 | 4.22 | 22    | WG504894 |
| 2-Fluorobiphenyl       |       |                                     |          | 104.0 | 10-139 |      |       | WG504894 |
| Nitrobenzene-d5        |       |                                     |          | 105.6 | 31-121 |      |       | WG504894 |
| p-Terphenyl-d14        |       |                                     |          | 113.4 | 21-136 |      |       | WG504894 |

| Analyte                         | Units | Matrix Spike |          |       | % Rec | Limit  | Ref Samp   | Batch    |
|---------------------------------|-------|--------------|----------|-------|-------|--------|------------|----------|
|                                 |       | MS Res       | Ref Res  | TV    |       |        |            |          |
| Benzene                         | mg/l  | 0.0481       | 0        | .05   | 96.2  | 35-147 | L484557-01 | WG504250 |
| Ethylbenzene                    | mg/l  | 0.0465       | 0        | .05   | 93.0  | 39-141 | L484557-01 | WG504250 |
| Toluene                         | mg/l  | 0.0450       | 0        | .05   | 90.0  | 35-148 | L484557-01 | WG504250 |
| Total Xylene                    | mg/l  | 0.135        | 0        | .15   | 89.7  | 33-151 | L484557-01 | WG504250 |
| a,a,a-Trifluorotoluene(PID)     |       |              |          |       | 100.1 | 55-122 |            | WG504250 |
| TPH (GC/FID) Low Fraction       | mg/l  | 5.33         | 0        | 5.5   | 96.9  | 55-109 | L484557-01 | WG504250 |
| a,a,a-Trifluorotoluene(FID)     |       |              |          |       | 101.1 | 62-128 |            | WG504250 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 249.         | 100.     | 150   | 99.3  | 80-120 | L484557-01 | WG504261 |
| Chloride                        | mg/l  | 87.7         | 41.0     | 50    | 93.4  | 80-120 | L484331-01 | WG504504 |
| Chloride                        | mg/l  | 48.8         | 0        | 50    | 97.6  | 80-120 | L484557-01 | WG504510 |
| Fluoride                        | mg/l  | 4.66         | 0        | 5     | 93.2  | 80-120 | L484557-01 | WG504510 |
| Sulfate                         | mg/l  | 67.2         | 18.0     | 50    | 98.4  | 80-120 | L484557-01 | WG504510 |
| Phosphorus, Total               | mg/l  | 3.95         | 1.50     | 2.5   | 98.0  | 80-120 | L484237-01 | WG504215 |
| Arsenic                         | mg/l  | 0.0530       | 0.00110  | .0567 | 91.5  | 75-125 | L482256-02 | WG504497 |
| Barium                          | mg/l  | 1.21         | 0.0916   | 1.13  | 99.0  | 75-125 | L484636-01 | WG504646 |
| Cadmium                         | mg/l  | 1.11         | 0.000900 | 1.13  | 98.2  | 75-125 | L484636-01 | WG504646 |
| Calcium                         | mg/l  | 68.2         | 56.6     | 11.3  | 103.  | 75-125 | L484636-01 | WG504646 |
| Chromium                        | mg/l  | 1.15         | 0.00200  | 1.13  | 102.  | 75-125 | L484636-01 | WG504646 |
| Copper                          | mg/l  | 1.17         | 0.0370   | 1.13  | 100.  | 75-125 | L484636-01 | WG504646 |
| Iron                            | mg/l  | 5.43         | 4.12     | 1.13  | 116.  | 75-125 | L484636-01 | WG504646 |
| Lead                            | mg/l  | 1.15         | 0        | 1.13  | 102.  | 75-125 | L484636-01 | WG504646 |
| Magnesium                       | mg/l  | 31.4         | 19.4     | 11.3  | 106.  | 75-125 | L484636-01 | WG504646 |
| Manganese                       | mg/l  | 3.06         | 1.93     | 1.13  | 100.  | 75-125 | L484636-01 | WG504646 |
| Selenium                        | mg/l  | 1.08         | 0.00400  | 1.13  | 95.2  | 75-125 | L484636-01 | WG504646 |
| Silver                          | mg/l  | 0.107        | 0.000300 | 1.13  | 9.44* | 75-125 | L484636-01 | WG504646 |
| Zinc                            | mg/l  | 1.24         | 0.0819   | 1.13  | 102.  | 75-125 | L484636-01 | WG504646 |

\* Performance of this Analyte is outside of established criteria.

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Quality Assurance Report  
Level II

L484557

October 28, 2010

| Analyte          | Units | MS Res | Matrix Spike |      | % Rec | Limit  | Ref Samp   | Batch    |
|------------------|-------|--------|--------------|------|-------|--------|------------|----------|
|                  |       |        | Ref Res      | TV   |       |        |            |          |
| Alkalinity       | mg/l  | 220.   | 36.0         | 200  | 92.0  | 80-120 | L485184-01 | WG505011 |
| Ammonia Nitrogen | mg/l  | 4.55   | 0            | 5    | 91.0  | 90-110 | L484121-01 | WG504589 |
| Sodium           | mg/l  | 120.   | 109.         | 11.3 | 97.3  | 75-125 | L485178-02 | WG505073 |

| Analyte                         | Units | MSD    | Matrix Spike Duplicate |       | Limit  | RPD   | Limit | Ref Samp   | Batch    |
|---------------------------------|-------|--------|------------------------|-------|--------|-------|-------|------------|----------|
|                                 |       |        | Ref                    | %Rec  |        |       |       |            |          |
| Benzene                         | mg/l  | 0.0480 | 0.0481                 | 96.0  | 35-147 | 0.230 | 20    | L484557-01 | WG504250 |
| Ethylbenzene                    | mg/l  | 0.0469 | 0.0465                 | 93.7  | 39-141 | 0.750 | 20    | L484557-01 | WG504250 |
| Toluene                         | mg/l  | 0.0457 | 0.0450                 | 91.4  | 35-148 | 1.48  | 20    | L484557-01 | WG504250 |
| Total Xylene                    | mg/l  | 0.135  | 0.135                  | 90.2  | 33-151 | 0.580 | 20    | L484557-01 | WG504250 |
| a,a,a-Trifluorotoluene(PID)     |       |        |                        | 100.4 | 55-122 |       |       |            | WG504250 |
| TPH (GC/FID) Low Fraction       | mg/l  | 4.47   | 5.33                   | 81.3  | 55-109 | 17.4  | 20    | L484557-01 | WG504250 |
| a,a,a-Trifluorotoluene(FID)     |       |        |                        | 100.3 | 62-128 |       |       |            | WG504250 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 250.   | 249.                   | 100.  | 80-120 | 0.401 | 20    | L484557-01 | WG504261 |
| Chloride                        | mg/l  | 88.4   | 87.7                   | 94.8  | 80-120 | 0.795 | 20    | L484331-01 | WG504504 |
| Chloride                        | mg/l  | 50.5   | 48.8                   | 101.  | 80-120 | 3.42  | 20    | L484557-01 | WG504510 |
| Fluoride                        | mg/l  | 4.81   | 4.66                   | 96.2  | 80-120 | 3.17  | 20    | L484557-01 | WG504510 |
| Sulfate                         | mg/l  | 69.0   | 67.2                   | 102.  | 80-120 | 2.64  | 20    | L484557-01 | WG504510 |
| Phosphorus, Total               | mg/l  | 3.82   | 3.95                   | 92.8  | 80-120 | 3.35  | 20    | L484237-01 | WG504215 |
| Arsenic                         | mg/l  | 0.0526 | 0.0530                 | 90.8  | 75-125 | 0.758 | 20    | L482256-02 | WG504497 |
| Barium                          | mg/l  | 1.15   | 1.21                   | 93.7  | 75-125 | 5.08  | 20    | L484636-01 | WG504646 |
| Cadmium                         | mg/l  | 1.06   | 1.11                   | 93.7  | 75-125 | 4.61  | 20    | L484636-01 | WG504646 |
| Calcium                         | mg/l  | 68.1   | 68.2                   | 102.  | 75-125 | 0.147 | 20    | L484636-01 | WG504646 |
| Chromium                        | mg/l  | 1.11   | 1.15                   | 98.0  | 75-125 | 3.54  | 20    | L484636-01 | WG504646 |
| Copper                          | mg/l  | 1.13   | 1.17                   | 96.7  | 75-125 | 3.48  | 20    | L484636-01 | WG504646 |
| Iron                            | mg/l  | 5.14   | 5.43                   | 90.3  | 75-125 | 5.49  | 20    | L484636-01 | WG504646 |
| Lead                            | mg/l  | 1.14   | 1.15                   | 101.  | 75-125 | 0.873 | 20    | L484636-01 | WG504646 |
| Magnesium                       | mg/l  | 29.9   | 31.4                   | 92.9  | 75-125 | 4.89  | 20    | L484636-01 | WG504646 |
| Manganese                       | mg/l  | 3.04   | 3.06                   | 98.2  | 75-125 | 0.656 | 20    | L484636-01 | WG504646 |
| Selenium                        | mg/l  | 1.07   | 1.08                   | 94.3  | 75-125 | 0.930 | 20    | L484636-01 | WG504646 |
| Silver                          | mg/l  | 0.0376 | 0.107                  | 3.30* | 75-125 | 96.0* | 20    | L484636-01 | WG504646 |
| Zinc                            | mg/l  | 1.17   | 1.24                   | 96.3  | 75-125 | 5.81  | 20    | L484636-01 | WG504646 |
| Alkalinity                      | mg/l  | 221.   | 220.                   | 92.5  | 80-120 | 0.454 | 20    | L485184-01 | WG505011 |
| Ammonia Nitrogen                | mg/l  | 4.78   | 4.55                   | 95.6  | 90-110 | 4.93  | 20    | L484121-01 | WG504589 |
| Sodium                          | mg/l  | 121.   | 120.                   | 106.  | 75-125 | 0.830 | 20    | L485178-02 | WG505073 |

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October 28, 2010

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Batch number /Run number / Sample number cross reference

WG504128: R1434869: L484557-01 02 03 04  
WG504250: R1437150: L484557-01 02 03 04  
WG504261: R1438692: L484557-01 02 03 04  
WG504291: R1438889: L484557-01 02 03 04  
WG504504: R1439229: L484557-04  
WG504510: R1439270: L484557-01 02 03  
WG504433: R1439529: L484557-01 02 03 04  
WG504215: R1440129: L484557-01 02 03 04  
WG504497: R1441792: L484557-01 02 03 04  
WG504484: R1441849: L484557-01 02 03 04  
WG504646: R1441910: L484557-01 02 03  
WG505011: R1442529: L484557-01 02 03 04  
WG504589: R1442771: L484557-01 02 03 04  
WG504831: R1442811: L484557-01 02 03 04  
WG504683: R1444630: L484557-04  
WG504894: R1444830: L484557-01 02 03 04  
WG505073: R1446289: L484557-01 02 03

\* \* Calculations are performed prior to rounding of reported values .

\* Performance of this Analyte is outside of established criteria.

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October 28, 2010

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

JOHN C. KEPHART & CO.  
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

— ANALYTICAL REPORT —

Received from:

Buys and Associates, Daniel Soucy  
300 East Mineral Ave., Suite #10  
Littleton, CO 80122-2655  
FAX 303-781-1167, phone 303-781-8211

Customer No. \_\_\_\_\_ Laboratory No. 1340 Sample water

Date Received 10/18/10 Date Reported 10/19/10

Lab Number: 1340  
Client Sample ID: Tepee Park Ranch 001 10/18/10 10:45 by DV/DS  
E. Coli 0 colonies/100ml sample

Lab Number: 1341  
Client Sample ID: Tepee Park Ranch 002 10/18/10 12:00 by DV/DS  
E. Coli 2 colonies/100ml sample

Lab Number: 1342  
Client Sample ID: Tepee Park Ranch 003 10/18/10 11:20 by DV/DS  
E. Coli 0 colonies/100ml sample

Lab Number: 1343  
Client Sample ID: Tepee Park Ranch 004 10/18/10 12:30 by DV/DS  
E. Coli 0 colonies/100ml sample

Lab Director: B. Bauer



## APPENDIX B

## **MAY 2010 LAB RESULTS**



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Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

## Report Summary

Monday May 17, 2010

Report Number: L458081

Samples Received: 05/08/10

Client Project: 499-03

Description: Tepee Park Ranch

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided  
in laboratory standard operating procedures: 060302, 060303, and 060304.

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 001

Collected By : DS/DV  
Collection Date : 05/07/10 10:30

ESC Sample # : L458081-01

Site ID :

Project # : 499-03

| Parameter                       | Result    | Det. Limit | Units    | Method    | Date     | Dil. |
|---------------------------------|-----------|------------|----------|-----------|----------|------|
| Chloride                        | BDL       | 1.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Fluoride                        | BDL       | 0.10       | mg/l     | 9056      | 05/13/10 | 1    |
| Sulfate                         | 15.       | 5.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Alkalinity                      | 81.       | 20.        | mg/l     | 2320B     | 05/14/10 | 1    |
| Dissolved Oxygen                | 10.51@14c | 3.0        | mg/l     | 4500-O G  | 05/08/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 81.       | 30.        | mg/l     | 130.1     | 05/11/10 | 1    |
| Ammonia Nitrogen                | BDL       | 0.10       | mg/l     | 350.1     | 05/17/10 | 1    |
| pH                              | 8.0       |            | su       | 9040C     | 05/12/10 | 1    |
| Nitrate-Nitrite                 | 0.14      | 0.10       | mg/l     | 353.2     | 05/13/10 | 1    |
| Phosphorus, Total               | BDL       | 0.10       | mg/l     | 365.1     | 05/14/10 | 1    |
| Specific Conductance            | 180       |            | umhos/cm | 9050A     | 05/13/10 | 1    |
| Turbidity                       | 2.1       | 0.10       | NTU      | SM2130B   | 05/09/10 | 1    |
| Dissolved Solids                | 120       | 10.        | mg/l     | 2540C     | 05/13/10 | 1    |
| Suspended Solids                | 1.5       | 1.0        | mg/l     | 2540D     | 05/12/10 | 1    |
| Arsenic                         | 0.0017    | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Cadmium                         | BDL       | 0.00050    | mg/l     | 6020      | 05/12/10 | 1    |
| Copper                          | BDL       | 0.0020     | mg/l     | 6020      | 05/12/10 | 1    |
| Lead                            | BDL       | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Selenium                        | BDL       | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Silver                          | BDL       | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Zinc                            | BDL       | 0.010      | mg/l     | 6020      | 05/12/10 | 1    |
| Barium                          | 0.029     | 0.0050     | mg/l     | 6010B     | 05/17/10 | 1    |
| Calcium                         | 22.       | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Chromium                        | BDL       | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Iron                            | 0.14      | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Magnesium                       | 3.4       | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Manganese                       | BDL       | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Sodium                          | 9.1       | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Benzene                         | BDL       | 0.00050    | mg/l     | 8021/8015 | 05/14/10 | 1    |
| Toluene                         | BDL       | 0.0050     | mg/l     | 8021/8015 | 05/14/10 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L458081-01 (PH) - 8.0@17.0c

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 001

Collected By : DS/DV  
Collection Date : 05/07/10 10:30

ESC Sample # : L458081-01

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| Ethylbenzene                      | BDL    | 0.00050    | mg/l   | 8021/8015 | 05/14/10 | 1    |
| Total Xylene                      | BDL    | 0.0015     | mg/l   | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) Low Fraction         | BDL    | 0.10       | mg/l   | 8015      | 05/14/10 | 1    |
| Surrogate Recovery-%              |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)       | 99.5   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| a,a,a-Trifluorotoluene(PID)       | 104.   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 3511/8015 | 05/12/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 92.9   |            | % Rec. | 3511/8015 | 05/12/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 75.5   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| 2-Fluorobiphenyl                  | 79.0   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| p-Terphenyl-d14                   | 82.3   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 05/17/10 17:20 Printed: 05/17/10 17:20  
L458081-01 (PH) - 8.0@17.0c

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 002

Collected By : DS/DV  
Collection Date : 05/07/10 12:15

ESC Sample # : L458081-02

Site ID :

Project # : 499-03

| Parameter                       | Result     | Det. Limit | Units    | Method    | Date     | Dil. |
|---------------------------------|------------|------------|----------|-----------|----------|------|
| Chloride                        | BDL        | 1.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Fluoride                        | BDL        | 0.10       | mg/l     | 9056      | 05/13/10 | 1    |
| Sulfate                         | 6.5        | 5.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Alkalinity                      | 95.        | 20.        | mg/l     | 2320B     | 05/14/10 | 1    |
| Dissolved Oxygen                | 11.0@13.4c | 3.0        | mg/l     | 4500-O G  | 05/08/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 71.        | 30.        | mg/l     | 130.1     | 05/11/10 | 1    |
| Ammonia Nitrogen                | BDL        | 0.10       | mg/l     | 350.1     | 05/17/10 | 1    |
| pH                              | 8.0        |            | su       | 9040C     | 05/12/10 | 1    |
| Nitrate-Nitrite                 | 0.26       | 0.10       | mg/l     | 353.2     | 05/13/10 | 1    |
| Phosphorus, Total               | BDL        | 0.10       | mg/l     | 365.1     | 05/14/10 | 1    |
| Specific Conductance            | 190        |            | umhos/cm | 9050A     | 05/13/10 | 1    |
| Turbidity                       | 5.5        | 0.10       | NTU      | SM2130B   | 05/09/10 | 1    |
| Dissolved Solids                | 140        | 10.        | mg/l     | 2540C     | 05/14/10 | 1    |
| Suspended Solids                | 4.8        | 1.0        | mg/l     | 2540D     | 05/12/10 | 1    |
| Arsenic                         | 0.0016     | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Cadmium                         | BDL        | 0.00050    | mg/l     | 6020      | 05/12/10 | 1    |
| Copper                          | BDL        | 0.0020     | mg/l     | 6020      | 05/12/10 | 1    |
| Lead                            | BDL        | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Selenium                        | BDL        | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Silver                          | BDL        | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Zinc                            | BDL        | 0.010      | mg/l     | 6020      | 05/12/10 | 1    |
| Barium                          | 0.027      | 0.0050     | mg/l     | 6010B     | 05/17/10 | 1    |
| Calcium                         | 24.        | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Chromium                        | BDL        | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Iron                            | 0.38       | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Magnesium                       | 4.0        | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Manganese                       | BDL        | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Sodium                          | 7.8        | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Benzene                         | BDL        | 0.00050    | mg/l     | 8021/8015 | 05/14/10 | 1    |
| Toluene                         | BDL        | 0.0050     | mg/l     | 8021/8015 | 05/14/10 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L458081-02 (PH) - 8.0@17.2c

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 002

Collected By : DS/DV  
Collection Date : 05/07/10 12:15

ESC Sample # : L458081-02

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| Ethylbenzene                      | BDL    | 0.00050    | mg/l   | 8021/8015 | 05/14/10 | 1    |
| Total Xylene                      | BDL    | 0.0015     | mg/l   | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) Low Fraction         | BDL    | 0.10       | mg/l   | 8015      | 05/14/10 | 1    |
| Surrogate Recovery-%              |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)       | 102.   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| a,a,a-Trifluorotoluene(PID)       | 107.   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 3511/8015 | 05/12/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 92.4   |            | % Rec. | 3511/8015 | 05/12/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 79.6   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| 2-Fluorobiphenyl                  | 85.6   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| p-Terphenyl-d14                   | 88.4   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 05/17/10 17:20 Printed: 05/17/10 17:20  
L458081-02 (PH) - 8.0@17.2c

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 003

Collected By : DS/DV  
Collection Date : 05/07/10 11:30

ESC Sample # : L458081-03

Site ID :

Project # : 499-03

| Parameter                       | Result     | Det. Limit | Units    | Method    | Date     | Dil. |
|---------------------------------|------------|------------|----------|-----------|----------|------|
| Chloride                        | BDL        | 1.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Fluoride                        | BDL        | 0.10       | mg/l     | 9056      | 05/13/10 | 1    |
| Sulfate                         | 6.7        | 5.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Alkalinity                      | 96.        | 20.        | mg/l     | 2320B     | 05/14/10 | 1    |
| Dissolved Oxygen                | 10.6@14.5c | 3.0        | mg/l     | 4500-O G  | 05/08/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 77.        | 30.        | mg/l     | 130.1     | 05/11/10 | 1    |
| Ammonia Nitrogen                | BDL        | 0.10       | mg/l     | 350.1     | 05/17/10 | 1    |
| pH                              | 8.0        |            | su       | 9040C     | 05/12/10 | 1    |
| Nitrate-Nitrite                 | 0.29       | 0.10       | mg/l     | 353.2     | 05/13/10 | 1    |
| Phosphorus, Total               | BDL        | 0.10       | mg/l     | 365.1     | 05/13/10 | 1    |
| Specific Conductance            | 200        |            | umhos/cm | 9050A     | 05/13/10 | 1    |
| Turbidity                       | 5.5        | 0.10       | NTU      | SM2130B   | 05/09/10 | 1    |
| Dissolved Solids                | 140        | 10.        | mg/l     | 2540C     | 05/14/10 | 1    |
| Suspended Solids                | 4.5        | 1.0        | mg/l     | 2540D     | 05/12/10 | 1    |
| Arsenic                         | 0.0017     | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Cadmium                         | BDL        | 0.00050    | mg/l     | 6020      | 05/12/10 | 1    |
| Copper                          | BDL        | 0.0020     | mg/l     | 6020      | 05/12/10 | 1    |
| Lead                            | BDL        | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Selenium                        | BDL        | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Silver                          | BDL        | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Zinc                            | BDL        | 0.010      | mg/l     | 6020      | 05/12/10 | 1    |
| Barium                          | 0.028      | 0.0050     | mg/l     | 6010B     | 05/17/10 | 1    |
| Calcium                         | 26.        | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Chromium                        | BDL        | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Iron                            | 0.31       | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Magnesium                       | 4.4        | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Manganese                       | BDL        | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Sodium                          | 8.3        | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Benzene                         | BDL        | 0.00050    | mg/l     | 8021/8015 | 05/14/10 | 1    |
| Toluene                         | BDL        | 0.0050     | mg/l     | 8021/8015 | 05/14/10 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L458081-03 (PH) - 8.0@17.2c



REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 003

Collected By : DS/DV  
Collection Date : 05/07/10 11:30

ESC Sample # : L458081-03

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| Ethylbenzene                      | BDL    | 0.00050    | mg/l   | 8021/8015 | 05/14/10 | 1    |
| Total Xylene                      | BDL    | 0.0015     | mg/l   | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) Low Fraction         | BDL    | 0.10       | mg/l   | 8015      | 05/14/10 | 1    |
| Surrogate Recovery-%              |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)       | 99.1   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| a,a,a-Trifluorotoluene(PID)       | 104.   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 3511/8015 | 05/12/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 92.5   |            | % Rec. | 3511/8015 | 05/12/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 69.3   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| 2-Fluorobiphenyl                  | 80.7   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| p-Terphenyl-d14                   | 87.0   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 05/17/10 17:20 Printed: 05/17/10 17:20  
L458081-03 (PH) - 8.0@17.2c

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 004

Collected By : DS/DV  
Collection Date : 05/07/10 13:00

ESC Sample # : L458081-04

Site ID :

Project # : 499-03

| Parameter                       | Result      | Det. Limit | Units    | Method    | Date     | Dil. |
|---------------------------------|-------------|------------|----------|-----------|----------|------|
| Chloride                        | BDL         | 1.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Fluoride                        | BDL         | 0.10       | mg/l     | 9056      | 05/13/10 | 1    |
| Sulfate                         | 12.         | 5.0        | mg/l     | 9056      | 05/13/10 | 1    |
| Alkalinity                      | 120         | 20.        | mg/l     | 2320B     | 05/14/10 | 1    |
| Dissolved Oxygen                | 10.59@14.1c | 3.0        | mg/l     | 4500-O G  | 05/08/10 | 1    |
| Hardness, Total (mg/L as CaCO3) | 120         | 30.        | mg/l     | 130.1     | 05/11/10 | 1    |
| Ammonia Nitrogen                | BDL         | 0.10       | mg/l     | 350.1     | 05/17/10 | 1    |
| pH                              | 8.2         |            | su       | 9040C     | 05/12/10 | 1    |
| Nitrate-Nitrite                 | 0.24        | 0.10       | mg/l     | 353.2     | 05/13/10 | 1    |
| Phosphorus, Total               | BDL         | 0.10       | mg/l     | 365.1     | 05/13/10 | 1    |
| Specific Conductance            | 250         |            | umhos/cm | 9050A     | 05/13/10 | 1    |
| Turbidity                       | 2.9         | 0.10       | NTU      | SM2130B   | 05/09/10 | 1    |
| Dissolved Solids                | 160         | 10.        | mg/l     | 2540C     | 05/14/10 | 1    |
| Suspended Solids                | 5.1         | 1.0        | mg/l     | 2540D     | 05/12/10 | 1    |
| Arsenic                         | 0.0021      | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Cadmium                         | BDL         | 0.00050    | mg/l     | 6020      | 05/12/10 | 1    |
| Copper                          | BDL         | 0.0020     | mg/l     | 6020      | 05/12/10 | 1    |
| Lead                            | BDL         | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Selenium                        | BDL         | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Silver                          | BDL         | 0.0010     | mg/l     | 6020      | 05/12/10 | 1    |
| Zinc                            | BDL         | 0.010      | mg/l     | 6020      | 05/12/10 | 1    |
| Barium                          | 0.036       | 0.0050     | mg/l     | 6010B     | 05/17/10 | 1    |
| Calcium                         | 33.         | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Chromium                        | BDL         | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Iron                            | 0.19        | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Magnesium                       | 6.6         | 0.10       | mg/l     | 6010B     | 05/17/10 | 1    |
| Manganese                       | BDL         | 0.010      | mg/l     | 6010B     | 05/17/10 | 1    |
| Sodium                          | 9.9         | 0.50       | mg/l     | 6010B     | 05/17/10 | 1    |
| Benzene                         | BDL         | 0.00050    | mg/l     | 8021/8015 | 05/14/10 | 1    |
| Toluene                         | BDL         | 0.0050     | mg/l     | 8021/8015 | 05/14/10 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)  
L458081-04 (PH) - 8.2@17.7c

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

May 17, 2010

Date Received : May 08, 2010  
Description : Tepee Park Ranch

Sample ID : 004

Collected By : DS/DV  
Collection Date : 05/07/10 13:00

ESC Sample # : L458081-04

Site ID :

Project # : 499-03

| Parameter                         | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|--------|------------|--------|-----------|----------|------|
| Ethylbenzene                      | BDL    | 0.00050    | mg/l   | 8021/8015 | 05/14/10 | 1    |
| Total Xylene                      | BDL    | 0.0015     | mg/l   | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) Low Fraction         | BDL    | 0.10       | mg/l   | 8015      | 05/14/10 | 1    |
| Surrogate Recovery-%              |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)       | 99.2   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| a,a,a-Trifluorotoluene(PID)       | 104.   |            | % Rec. | 8021/8015 | 05/14/10 | 1    |
| TPH (GC/FID) High Fraction        | BDL    | 0.10       | mg/l   | 3511/8015 | 05/14/10 | 1    |
| Surrogate recovery(%)             |        |            |        |           |          |      |
| o-Terphenyl                       | 83.4   |            | % Rec. | 3511/8015 | 05/14/10 | 1    |
| Polynuclear Aromatic Hydrocarbons |        |            |        |           |          |      |
| Anthracene                        | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Acenaphthylene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(a)pyrene                    | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(b)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(g,h,i)perylene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Benzo(k)fluoranthene              | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Chrysene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Dibenz(a,h)anthracene             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluoranthene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Fluorene                          | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Naphthalene                       | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Phenanthrene                      | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Pyrene                            | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 1-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Methylnaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| 2-Chloronaphthalene               | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/14/10 | 1    |
| Surrogate Recovery                |        |            |        |           |          |      |
| Nitrobenzene-d5                   | 79.0   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| 2-Fluorobiphenyl                  | 83.0   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |
| p-Terphenyl-d14                   | 86.4   |            | % Rec. | 8270C-SIM | 05/14/10 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 05/17/10 17:20 Printed: 05/17/10 17:20  
L458081-04 (PH) - 8.2@17.7c

Attachment A  
List of Analytes with QC Qualifiers

| Sample Number | Work Group | Sample Type | Analyte          | Run ID   | Qualifier |
|---------------|------------|-------------|------------------|----------|-----------|
| L458081-01    | WG478298   | SAMP        | Dissolved Oxygen | R1218728 | TT8       |
|               | WG477854   | SAMP        | pH               | R1215831 | T8        |
| L458081-02    | WG478298   | SAMP        | Dissolved Oxygen | R1218728 | TT8       |
|               | WG477854   | SAMP        | pH               | R1215831 | T8        |
|               | WG477705   | SAMP        | Suspended Solids | R1219848 | T4        |
| L458081-03    | WG478298   | SAMP        | Dissolved Oxygen | R1218728 | TT8       |
|               | WG477854   | SAMP        | pH               | R1215831 | T8        |
| L458081-04    | WG478298   | SAMP        | Dissolved Oxygen | R1218728 | TT8       |
|               | WG477854   | SAMP        | pH               | R1215831 | T8        |

Attachment B  
Explanation of QC Qualifier Codes

| Qualifier | Meaning                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------|
| T4        | (ESC) - Additional method/sample information: QNS - Quantity Not Sufficient                                 |
| T8        | (ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration. |

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
05/17/10 at 17:20:46

TSR Signing Reports: 134  
R5 - Desired TAT

Sample: L458081-01 Account: BUYSGJCO Received: 05/08/10 09:00 Due Date: 05/14/10 00:00 RPT Date: 05/17/10 17:20  
Sample: L458081-02 Account: BUYSGJCO Received: 05/08/10 09:00 Due Date: 05/14/10 00:00 RPT Date: 05/17/10 17:20  
Sample: L458081-03 Account: BUYSGJCO Received: 05/08/10 09:00 Due Date: 05/14/10 00:00 RPT Date: 05/17/10 17:20  
Sample: L458081-04 Account: BUYSGJCO Received: 05/08/10 09:00 Due Date: 05/14/10 00:00 RPT Date: 05/17/10 17:20



**YOUR LAB OF CHOICE**

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Derek Veazey  
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Quality Assurance Report  
Level II

L458081

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(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

May 17, 2010

| Analyte                         | Result   | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|---------------------------------|----------|------------------|-------|--------|----------|----------------|
|                                 |          | Units            | % Rec |        |          |                |
| Turbidity                       | < .1     | NTU              |       |        | WG477351 | 05/09/10 09:02 |
| Hardness, Total (mg/L as CaCO3) | < 30     | mg/l             |       |        | WG477587 | 05/11/10 12:39 |
| pH                              | 5.60     | su               |       |        | WG477854 | 05/12/10 08:44 |
| Dissolved Solids                | < 10     | mg/l             |       |        | WG477533 | 05/13/10 10:55 |
| Nitrate-Nitrite                 | < .1     | mg/l             |       |        | WG478254 | 05/13/10 01:14 |
| Arsenic                         | < .001   | mg/l             |       |        | WG477848 | 05/12/10 20:26 |
| Cadmium                         | < .0005  | mg/l             |       |        | WG477848 | 05/12/10 20:26 |
| Copper                          | < .002   | mg/l             |       |        | WG477848 | 05/12/10 20:26 |
| Lead                            | < .001   | mg/l             |       |        | WG477848 | 05/12/10 20:26 |
| Selenium                        | < .001   | mg/l             |       |        | WG477848 | 05/12/10 20:26 |
| Silver                          | < .001   | mg/l             |       |        | WG477848 | 05/12/10 20:26 |
| Zinc                            | < .01    | mg/l             |       |        | WG477848 | 05/12/10 20:26 |
| Specific Conductance            | 1.30     | umhos/cm         |       |        | WG478078 | 05/13/10 11:05 |
| Phosphorus, Total               | < .1     | mg/l             |       |        | WG478029 | 05/13/10 03:18 |
| TPH (GC/FID) High Fraction      | < .1     | ppm              |       |        | WG477632 | 05/11/10 17:47 |
| o-Terphenyl                     |          | % Rec.           | 91.75 | 50-150 | WG477632 | 05/11/10 17:47 |
| Chloride                        | < 1      | mg/l             |       |        | WG478176 | 05/13/10 06:53 |
| Fluoride                        | < .1     | mg/l             |       |        | WG478176 | 05/13/10 06:53 |
| Sulfate                         | < 5      | mg/l             |       |        | WG478176 | 05/13/10 06:53 |
| Chloride                        | < 1      | mg/l             |       |        | WG478231 | 05/13/10 08:35 |
| Fluoride                        | < .1     | mg/l             |       |        | WG478231 | 05/13/10 08:35 |
| Sulfate                         | < 5      | mg/l             |       |        | WG478231 | 05/13/10 08:35 |
| 1-Methylnaphthalene             | < .00025 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| 2-Chloronaphthalene             | < .00025 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| 2-Methylnaphthalene             | < .00025 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Acenaphthene                    | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Acenaphthylene                  | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Anthracene                      | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Benzo(a)anthracene              | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Benzo(a)pyrene                  | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Benzo(b)fluoranthene            | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Benzo(g,h,i)perylene            | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Benzo(k)fluoranthene            | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Chrysene                        | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Dibenz(a,h)anthracene           | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Fluoranthene                    | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Fluorene                        | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



**YOUR LAB OF CHOICE**

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Derek Veazey  
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Quality Assurance Report  
Level II

L458081

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1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

May 17, 2010

| Analyte                     | Result   | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|-----------------------------|----------|------------------|-------|--------|----------|----------------|
|                             |          | Units            | % Rec |        |          |                |
| Indeno(1,2,3-cd)pyrene      | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Naphthalene                 | < .00025 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Phenanthrene                | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| Pyrene                      | < .00005 | mg/l             |       |        | WG477595 | 05/13/10 18:34 |
| 2-Fluorobiphenyl            |          | % Rec.           | 81.00 | 10-139 | WG477595 | 05/13/10 18:34 |
| Nitrobenzene-d5             |          | % Rec.           | 76.80 | 31-121 | WG477595 | 05/13/10 18:34 |
| p-Terphenyl-d14             |          | % Rec.           | 89.20 | 21-136 | WG477595 | 05/13/10 18:34 |
| Suspended Solids            | < 1      | mg/l             |       |        | WG477706 | 05/12/10 09:58 |
| Suspended Solids            | < 1      | mg/l             |       |        | WG477705 | 05/12/10 14:03 |
| TPH (GC/FID) High Fraction  | < .1     | ppm              |       |        | WG478446 | 05/14/10 10:51 |
| o-Terphenyl                 |          | % Rec.           | 91.98 | 50-150 | WG478446 | 05/14/10 10:51 |
| Phosphorus, Total           | < .1     | mg/l             |       |        | WG477860 | 05/14/10 11:14 |
| Alkalinity                  | < 20     | mg/l             |       |        | WG478221 | 05/14/10 08:44 |
| Dissolved Solids            | < 10     | mg/l             |       |        | WG477707 | 05/14/10 13:18 |
| Benzene                     | < .0005  | mg/l             |       |        | WG478248 | 05/14/10 11:09 |
| Ethylbenzene                | < .0005  | mg/l             |       |        | WG478248 | 05/14/10 11:09 |
| Toluene                     | < .005   | mg/l             |       |        | WG478248 | 05/14/10 11:09 |
| TPH (GC/FID) Low Fraction   | < .1     | mg/l             |       |        | WG478248 | 05/14/10 11:09 |
| Total Xylene                | < .0015  | mg/l             |       |        | WG478248 | 05/14/10 11:09 |
| a,a,a-Trifluorotoluene(FID) |          | % Rec.           | 98.77 | 62-128 | WG478248 | 05/14/10 11:09 |
| a,a,a-Trifluorotoluene(PID) |          | % Rec.           | 103.7 | 55-122 | WG478248 | 05/14/10 11:09 |
| Barium                      | < .005   | mg/l             |       |        | WG477892 | 05/17/10 15:02 |
| Calcium                     | < .5     | mg/l             |       |        | WG477892 | 05/17/10 15:02 |
| Chromium                    | < .01    | mg/l             |       |        | WG477892 | 05/17/10 15:02 |
| Iron                        | < .1     | mg/l             |       |        | WG477892 | 05/17/10 15:02 |
| Magnesium                   | < .1     | mg/l             |       |        | WG477892 | 05/17/10 15:02 |
| Manganese                   | < .01    | mg/l             |       |        | WG477892 | 05/17/10 15:02 |
| Sodium                      | < .5     | mg/l             |       |        | WG477892 | 05/17/10 15:02 |
| Ammonia Nitrogen            | < .1     | mg/l             |       |        | WG478799 | 05/17/10 16:06 |

| Analyte                         | Units | Result | Duplicate |  | RPD   | Limit | Ref Samp   | Batch    |
|---------------------------------|-------|--------|-----------|--|-------|-------|------------|----------|
|                                 |       |        | Duplicate |  |       |       |            |          |
| Turbidity                       | NTU   | 2.20   | 2.10      |  | 4.65  | 20    | L458081-01 | WG477351 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 73.0   | 77.0      |  | 5.88  | 20    | L458081-03 | WG477587 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 89.0   | 90.0      |  | 0.781 | 20    | L457486-01 | WG477587 |
| pH                              | su    | 6.70   | 6.70      |  | 0     | 1     | L457751-01 | WG477854 |

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'





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Tax I.D. 62-0814289

Est. 1970

May 17, 2010

| Analyte              | Units    | Result  | Duplicate | RPD   | Limit | Ref Samp   | Batch    |
|----------------------|----------|---------|-----------|-------|-------|------------|----------|
|                      |          |         | Duplicate |       |       |            |          |
| pH                   | su       | 2.50    | 2.40      | 4.08* | 1     | L458375-01 | WG477854 |
| Dissolved Solids     | mg/l     | 340.    | 340.      | 0.878 | 5     | L458027-01 | WG477533 |
| Nitrate-Nitrite      | mg/l     | 12.0    | 12.0      | 1.82  | 20    | L458080-01 | WG478254 |
| Nitrate-Nitrite      | mg/l     | 0.590   | 0.600     | 1.17  | 20    | L457896-01 | WG478254 |
| Arsenic              | mg/l     | 0       | 0         | 0     | 20    | L458099-06 | WG477848 |
| Cadmium              | mg/l     | 0       | 0         | 0     | 20    | L458099-06 | WG477848 |
| Copper               | mg/l     | 0.00480 | 0.00419   | 13.6  | 20    | L458099-06 | WG477848 |
| Lead                 | mg/l     | 0       | 0         | 0     | 20    | L458099-06 | WG477848 |
| Selenium             | mg/l     | 0       | 0.000720  | NA    | 20    | L458099-06 | WG477848 |
| Silver               | mg/l     | 0       | 0.000110  | NA    | 20    | L458099-06 | WG477848 |
| Zinc                 | mg/l     | 0       | 0.00508   | NA    | 20    | L458099-06 | WG477848 |
| Specific Conductance | umhos/cm | 380.    | 380.      | 0.528 | 20    | L457782-01 | WG478078 |
| Specific Conductance | umhos/cm | 260.    | 250.      | 2.10  | 20    | L458081-04 | WG478078 |
| Phosphorus, Total    | mg/l     | 0       | 0.150     | NA    | 20    | L457475-01 | WG478029 |
| Phosphorus, Total    | mg/l     | 3.40    | 3.50      | 3.49  | 20    | L457485-01 | WG478029 |
| Chloride             | mg/l     | 150.    | 160.      | 3.82  | 20    | L457730-01 | WG478176 |
| Chloride             | mg/l     | 0       | 0         | 0     | 20    | L458081-04 | WG478176 |
| Fluoride             | mg/l     | 0       | 0         | 0     | 20    | L458081-04 | WG478176 |
| Sulfate              | mg/l     | 12.0    | 12.0      | 0.830 | 20    | L458081-04 | WG478176 |
| Chloride             | mg/l     | 15.0    | 15.0      | 2.63  | 20    | L458746-01 | WG478231 |
| Chloride             | mg/l     | 0       | 0         | 0     | 20    | L458081-03 | WG478231 |
| Fluoride             | mg/l     | 0       | 0         | 0     | 20    | L458081-03 | WG478231 |
| Sulfate              | mg/l     | 6.70    | 6.70      | 0.149 | 20    | L458081-03 | WG478231 |
| Suspended Solids     | mg/l     | 12.0    | 12.0      | 0     | 5     | L458208-01 | WG477706 |
| Suspended Solids     | mg/l     | 170.    | 190.      | 9.37* | 5     | L458258-01 | WG477706 |
| Suspended Solids     | mg/l     | 4.80    | 4.80      | 1.05  | 5     | L458081-02 | WG477705 |
| Phosphorus, Total    | mg/l     | 0       | 0         | 0     | 20    | L458081-02 | WG477860 |
| Phosphorus, Total    | mg/l     | 0.540   | 0.570     | 5.22  | 20    | L457544-02 | WG477860 |
| Alkalinity           | mg/l     | 310.    | 310.      | 0     | 20    | L458453-04 | WG478221 |
| Alkalinity           | mg/l     | 220.    | 220.      | 0     | 20    | L458027-01 | WG478221 |
| Dissolved Solids     | mg/l     | 140.    | 140.      | 0.717 | 5     | L458081-02 | WG477707 |
| Barium               | mg/l     | 0.0290  | 0.0290    | 0.687 | 20    | L458081-01 | WG477892 |
| Calcium              | mg/l     | 22.0    | 22.0      | 0.905 | 20    | L458081-01 | WG477892 |

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Est. 1970

Quality Assurance Report  
Level II

L458081

May 17, 2010

| Analyte          | Units | Result | Duplicate |  | RPD  | Limit | Ref Samp   | Batch    |
|------------------|-------|--------|-----------|--|------|-------|------------|----------|
|                  |       |        | Duplicate |  |      |       |            |          |
| Chromium         | mg/l  | 0      | 0         |  | 0    | 20    | L458081-01 | WG477892 |
| Iron             | mg/l  | 0.130  | 0.140     |  | 4.38 | 20    | L458081-01 | WG477892 |
| Magnesium        | mg/l  | 3.50   | 3.40      |  | 2.33 | 20    | L458081-01 | WG477892 |
| Manganese        | mg/l  | 0      | 0         |  | 0    | 20    | L458081-01 | WG477892 |
| Sodium           | mg/l  | 9.20   | 9.10      |  | 1.09 | 20    | L458081-01 | WG477892 |
| Ammonia Nitrogen | mg/l  | 0      | 0         |  | 0    | 20    | L458278-04 | WG478799 |
| Ammonia Nitrogen | mg/l  | 0      | 0         |  | 0    | 20    | L458475-01 | WG478799 |

| Analyte                         | Units    | Laboratory Control Sample |          | % Rec | Limit      | Batch    |
|---------------------------------|----------|---------------------------|----------|-------|------------|----------|
|                                 |          | Known Val                 | Result   |       |            |          |
| Turbidity                       | NTU      | 40                        | 37.0     | 92.5  | 85-115     | WG477351 |
| Hardness, Total (mg/L as CaCO3) | mg/l     | 200                       | 197.     | 98.5  | 85-115     | WG477587 |
| pH                              | su       | 6.46                      | 6.40     | 99.1  | 97.9-100.8 | WG477854 |
| Dissolved Solids                | mg/l     | 8800                      | 8680     | 98.6  | 85-115     | WG477533 |
| Nitrate-Nitrite                 | mg/l     | 5                         | 4.81     | 96.2  | 85-115     | WG478254 |
| Arsenic                         | mg/l     | .0567                     | 0.0560   | 98.8  | 85-115     | WG477848 |
| Cadmium                         | mg/l     | .0567                     | 0.0557   | 98.2  | 85-115     | WG477848 |
| Copper                          | mg/l     | .0567                     | 0.0544   | 95.9  | 85-115     | WG477848 |
| Lead                            | mg/l     | .0567                     | 0.0548   | 96.6  | 85-115     | WG477848 |
| Selenium                        | mg/l     | .0567                     | 0.0533   | 94.0  | 85-115     | WG477848 |
| Silver                          | mg/l     | .0567                     | 0.0527   | 92.9  | 85-115     | WG477848 |
| Zinc                            | mg/l     | .0567                     | 0.0531   | 93.7  | 85-115     | WG477848 |
| Specific Conductance            | umhos/cm | 406                       | 410.     | 101.  | 85-115     | WG478078 |
| Phosphorus, Total               | mg/l     | 1                         | 0.860    | 86.0  | 85-115     | WG478029 |
| TPH (GC/FID) High Fraction      | ppm      | 1.5                       | 1.40     | 93.3  | 50-150     | WG477632 |
| o-Terphenyl                     |          |                           |          | 97.44 | 50-150     | WG477632 |
| Chloride                        | mg/l     | 40                        | 40.5     | 101.  | 90-110     | WG478176 |
| Fluoride                        | mg/l     | 8                         | 8.30     | 104.  | 90-110     | WG478176 |
| Sulfate                         | mg/l     | 40                        | 39.9     | 99.8  | 90-110     | WG478176 |
| Chloride                        | mg/l     | 40                        | 40.2     | 101.  | 90-110     | WG478231 |
| Fluoride                        | mg/l     | 8                         | 8.15     | 102.  | 90-110     | WG478231 |
| Sulfate                         | mg/l     | 40                        | 39.7     | 99.3  | 90-110     | WG478231 |
| 1-Methylnaphthalene             | mg/l     | .001                      | 0.000857 | 85.7  | 30-123     | WG477595 |
| 2-Chloronaphthalene             | mg/l     | .001                      | 0.000882 | 88.2  | 34-120     | WG477595 |

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| Analyte                     | Units | Laboratory Control | Sample   | % Rec | Limit  | Batch    |
|-----------------------------|-------|--------------------|----------|-------|--------|----------|
|                             |       | Known Val          | Result   |       |        |          |
| 2-Methylnaphthalene         | mg/l  | .001               | 0.000901 | 90.1  | 29-116 | WG477595 |
| Acenaphthene                | mg/l  | .001               | 0.000831 | 83.1  | 40-113 | WG477595 |
| Acenaphthylene              | mg/l  | .001               | 0.000863 | 86.3  | 36-115 | WG477595 |
| Anthracene                  | mg/l  | .001               | 0.000888 | 88.8  | 45-118 | WG477595 |
| Benzo(a)anthracene          | mg/l  | .001               | 0.000951 | 95.1  | 36-129 | WG477595 |
| Benzo(a)pyrene              | mg/l  | .001               | 0.000906 | 90.6  | 44-124 | WG477595 |
| Benzo(b)fluoranthene        | mg/l  | .001               | 0.000928 | 92.8  | 43-126 | WG477595 |
| Benzo(g,h,i)perylene        | mg/l  | .001               | 0.000807 | 80.7  | 39-128 | WG477595 |
| Benzo(k)fluoranthene        | mg/l  | .001               | 0.000941 | 94.1  | 44-127 | WG477595 |
| Chrysene                    | mg/l  | .001               | 0.000880 | 88.0  | 36-137 | WG477595 |
| Dibenz(a,h)anthracene       | mg/l  | .001               | 0.000854 | 85.4  | 39-129 | WG477595 |
| Fluoranthene                | mg/l  | .001               | 0.000896 | 89.6  | 45-123 | WG477595 |
| Fluorene                    | mg/l  | .001               | 0.000868 | 86.8  | 41-118 | WG477595 |
| Indeno(1,2,3-cd)pyrene      | mg/l  | .001               | 0.000838 | 83.8  | 39-129 | WG477595 |
| Naphthalene                 | mg/l  | .001               | 0.000849 | 84.9  | 26-111 | WG477595 |
| Phenanthrene                | mg/l  | .001               | 0.000865 | 86.5  | 41-116 | WG477595 |
| Pyrene                      | mg/l  | .001               | 0.000868 | 86.8  | 32-136 | WG477595 |
| 2-Fluorobiphenyl            |       |                    |          | 79.80 | 10-139 | WG477595 |
| Nitrobenzene-d5             |       |                    |          | 78.80 | 31-121 | WG477595 |
| p-Terphenyl-d14             |       |                    |          | 88.00 | 21-136 | WG477595 |
| Suspended Solids            | mg/l  | 773                | 784.     | 101.  | 85-115 | WG477706 |
| Suspended Solids            | mg/l  | 773                | 812.     | 105.  | 85-115 | WG477705 |
| TPH (GC/FID) High Fraction  | ppm   | 1.5                | 1.30     | 86.7  | 50-150 | WG478446 |
| o-Terphenyl                 |       |                    |          | 91.15 | 50-150 | WG478446 |
| Phosphorus,Total            | mg/l  | 1                  | 1.05     | 105.  | 85-115 | WG477860 |
| Alkalinity                  | mg/l  | 40                 | 41.1     | 103.  | 85-115 | WG478221 |
| Dissolved Solids            | mg/l  | 8800               | 8620     | 98.0  | 85-115 | WG477707 |
| Benzene                     | mg/l  | .05                | 0.0460   | 92.0  | 79-114 | WG478248 |
| Ethylbenzene                | mg/l  | .05                | 0.0537   | 107.  | 80-116 | WG478248 |
| Toluene                     | mg/l  | .05                | 0.0509   | 102.  | 79-112 | WG478248 |
| Total Xylene                | mg/l  | .15                | 0.158    | 105.  | 84-118 | WG478248 |
| a,a,a-Trifluorotoluene(FID) |       |                    |          | 99.16 | 62-128 | WG478248 |
| a,a,a-Trifluorotoluene(PID) |       |                    |          | 102.1 | 55-122 | WG478248 |
| TPH (GC/FID) Low Fraction   | mg/l  | 5.5                | 5.04     | 91.6  | 70-124 | WG478248 |
| a,a,a-Trifluorotoluene(FID) |       |                    |          | 94.33 | 62-128 | WG478248 |
| a,a,a-Trifluorotoluene(PID) |       |                    |          | 114.4 | 55-122 | WG478248 |
| Barium                      | mg/l  | 1.13               | 1.14     | 101.  | 85-115 | WG477892 |
| Calcium                     | mg/l  | 11.3               | 11.6     | 103.  | 85-115 | WG477892 |
| Chromium                    | mg/l  | 1.13               | 1.16     | 103.  | 85-115 | WG477892 |
| Iron                        | mg/l  | 1.13               | 1.14     | 101.  | 85-115 | WG477892 |
| Magnesium                   | mg/l  | 11.3               | 11.8     | 104.  | 85-115 | WG477892 |
| Manganese                   | mg/l  | 1.13               | 1.14     | 101.  | 85-115 | WG477892 |
| Sodium                      | mg/l  | 11.3               | 10.5     | 92.9  | 85-115 | WG477892 |

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Level II

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| Analyte          | Units | Laboratory Control<br>Known Val | Sample<br>Result | % Rec | Limit  | Batch    |
|------------------|-------|---------------------------------|------------------|-------|--------|----------|
| Ammonia Nitrogen | mg/l  | 7.5                             | 7.46             | 99.5  | 90-110 | WG477899 |

| Analyte                         | Units  | Laboratory Control<br>Result | Ref      | Sample Duplicate<br>%Rec | Limit      | RPD   | Limit | Batch    |
|---------------------------------|--------|------------------------------|----------|--------------------------|------------|-------|-------|----------|
| Turbidity                       | NTU    | 37.0                         | 37.0     | 92.0                     | 85-115     | 0     | 20    | WG477351 |
| Hardness, Total (mg/L as CaCO3) | mg/l   | 195.                         | 197.     | 98.0                     | 85-115     | 1.02  | 20    | WG477587 |
| pH                              | su     | 6.40                         | 6.40     | 99.0                     | 97.9-100.8 | 0     | 20    | WG477854 |
| Dissolved Solids                | mg/l   | 8660                         | 8680     | 98.0                     | 85-115     | 0.138 | 20    | WG477533 |
| Nitrate-Nitrite                 | mg/l   | 5.10                         | 4.81     | 102.                     | 85-115     | 5.85  | 20    | WG478254 |
| Specific Conductance            | umhos/ | 410.                         | 410.     | 101.                     | 85-115     | 0     | 20    | WG478078 |
| Phosphorus, Total               | mg/l   | 0.956                        | 0.860    | 96.0                     | 85-115     | 10.6  | 20    | WG478029 |
| TPH (GC/FID) High Fraction      | ppm    | 1.40                         | 1.40     | 93.0                     | 50-150     | 0     | 20    | WG477632 |
| o-Terphenyl                     |        |                              |          | 98.83                    | 50-150     |       |       | WG477632 |
| Chloride                        | mg/l   | 40.4                         | 40.5     | 101.                     | 90-110     | 0.247 | 20    | WG478176 |
| Fluoride                        | mg/l   | 8.36                         | 8.30     | 104.                     | 90-110     | 0.720 | 20    | WG478176 |
| Sulfate                         | mg/l   | 39.9                         | 39.9     | 100.                     | 90-110     | 0     | 20    | WG478176 |
| Chloride                        | mg/l   | 40.3                         | 40.2     | 101.                     | 90-110     | 0.248 | 20    | WG478231 |
| Fluoride                        | mg/l   | 8.16                         | 8.15     | 102.                     | 90-110     | 0.123 | 20    | WG478231 |
| Sulfate                         | mg/l   | 39.7                         | 39.7     | 99.0                     | 90-110     | 0     | 20    | WG478231 |
| 1-Methylnaphthalene             | mg/l   | 0.000886                     | 0.000857 | 88.0                     | 30-123     | 3.29  | 32    | WG477595 |
| 2-Chloronaphthalene             | mg/l   | 0.000920                     | 0.000882 | 92.0                     | 34-120     | 4.16  | 30    | WG477595 |
| 2-Methylnaphthalene             | mg/l   | 0.000958                     | 0.000901 | 96.0                     | 29-116     | 6.08  | 31    | WG477595 |
| Acenaphthene                    | mg/l   | 0.000895                     | 0.000831 | 89.0                     | 40-113     | 7.37  | 25    | WG477595 |
| Acenaphthylene                  | mg/l   | 0.000904                     | 0.000863 | 90.0                     | 36-115     | 4.70  | 25    | WG477595 |
| Anthracene                      | mg/l   | 0.000916                     | 0.000888 | 92.0                     | 45-118     | 3.10  | 26    | WG477595 |
| Benzo(a)anthracene              | mg/l   | 0.00102                      | 0.000951 | 102.                     | 36-129     | 6.97  | 26    | WG477595 |
| Benzo(a)pyrene                  | mg/l   | 0.000943                     | 0.000906 | 94.0                     | 44-124     | 4.00  | 21    | WG477595 |
| Benzo(b)fluoranthene            | mg/l   | 0.000987                     | 0.000928 | 99.0                     | 43-126     | 6.19  | 38    | WG477595 |
| Benzo(g,h,i)perylene            | mg/l   | 0.000851                     | 0.000807 | 85.0                     | 39-128     | 5.27  | 20    | WG477595 |
| Benzo(k)fluoranthene            | mg/l   | 0.000970                     | 0.000941 | 97.0                     | 44-127     | 3.08  | 39    | WG477595 |
| Chrysene                        | mg/l   | 0.000934                     | 0.000880 | 93.0                     | 36-137     | 5.92  | 22    | WG477595 |
| Dibenz(a,h)anthracene           | mg/l   | 0.000890                     | 0.000854 | 89.0                     | 39-129     | 4.13  | 20    | WG477595 |
| Fluoranthene                    | mg/l   | 0.000922                     | 0.000896 | 92.0                     | 45-123     | 2.90  | 25    | WG477595 |
| Fluorene                        | mg/l   | 0.000939                     | 0.000868 | 94.0                     | 41-118     | 7.87  | 26    | WG477595 |
| Indeno(1,2,3-cd)pyrene          | mg/l   | 0.000882                     | 0.000838 | 88.0                     | 39-129     | 5.12  | 20    | WG477595 |
| Naphthalene                     | mg/l   | 0.000874                     | 0.000849 | 87.0                     | 26-111     | 2.95  | 32    | WG477595 |
| Phenanthrene                    | mg/l   | 0.000941                     | 0.000865 | 94.0                     | 41-116     | 8.40  | 25    | WG477595 |
| Pyrene                          | mg/l   | 0.000917                     | 0.000868 | 92.0                     | 32-136     | 5.43  | 22    | WG477595 |

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L458081

May 17, 2010

| Analyte                     | Units | Laboratory Control Sample Duplicate |        |       | Limit  | RPD   | Limit | Batch    |
|-----------------------------|-------|-------------------------------------|--------|-------|--------|-------|-------|----------|
|                             |       | Result                              | Ref    | %Rec  |        |       |       |          |
| 2-Fluorobiphenyl            |       |                                     |        | 84.40 | 10-139 |       |       |          |
| Nitrobenzene-d5             |       |                                     |        | 80.80 | 31-121 |       |       |          |
| p-Terphenyl-d14             |       |                                     |        | 94.90 | 21-136 |       |       |          |
| Suspended Solids            | mg/l  | 764.                                | 784.   | 99.0  | 85-115 | 2.58  | 20    | WG477706 |
| Suspended Solids            | mg/l  | 808.                                | 812.   | 104.  | 85-115 | 0.494 | 20    | WG477705 |
| TPH (GC/FID) High Fraction  | ppm   | 1.40                                | 1.30   | 93.0  | 50-150 | 7.41  | 20    | WG478446 |
| o-Terphenyl                 |       |                                     |        | 95.21 | 50-150 |       |       | WG478446 |
| Phosphorus, Total           | mg/l  | 1.07                                | 1.05   | 107.  | 85-115 | 1.89  | 20    | WG477860 |
| Alkalinity                  | mg/l  | 43.9                                | 41.1   | 110.  | 85-115 | 6.59  | 20    | WG478221 |
| Dissolved Solids            | mg/l  | 8610                                | 8620   | 98.0  | 85-115 | 0.186 | 20    | WG477707 |
| Benzene                     | mg/l  | 0.0426                              | 0.0460 | 85.0  | 79-114 | 7.63  | 20    | WG478248 |
| Ethylbenzene                | mg/l  | 0.0491                              | 0.0537 | 98.0  | 80-116 | 8.89  | 20    | WG478248 |
| Toluene                     | mg/l  | 0.0466                              | 0.0509 | 93.0  | 79-112 | 8.78  | 20    | WG478248 |
| Total Xylene                | mg/l  | 0.145                               | 0.158  | 96.0  | 84-118 | 8.49  | 20    | WG478248 |
| a,a,a-Trifluorotoluene(FID) |       |                                     |        | 98.85 | 62-128 |       |       | WG478248 |
| a,a,a-Trifluorotoluene(PID) |       |                                     |        | 101.8 | 55-122 |       |       | WG478248 |
| TPH (GC/FID) Low Fraction   | mg/l  | 4.91                                | 5.04   | 89.0  | 70-124 | 2.48  | 20    | WG478248 |
| a,a,a-Trifluorotoluene(FID) |       |                                     |        | 92.95 | 62-128 |       |       | WG478248 |
| a,a,a-Trifluorotoluene(PID) |       |                                     |        | 114.3 | 55-122 |       |       | WG478248 |
| Ammonia Nitrogen            | mg/l  | 7.71                                | 7.46   | 103.  | 90-110 | 3.30  | 20    | WG478799 |

| Analyte                         | Units | Matrix Spike |          |       |       | Limit  | Ref Samp   | Batch    |
|---------------------------------|-------|--------------|----------|-------|-------|--------|------------|----------|
|                                 |       | MS Res       | Ref Res  | TV    | % Rec |        |            |          |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 765.         | 740.     | 150   | 3.33* | 80-120 | L457912-01 | WG477587 |
| Nitrate-Nitrite                 | mg/l  | 5.48         | 1.20     | 5     | 85.6  | 80-120 | L457901-01 | WG478254 |
| Arsenic                         | mg/l  | 0.0578       | 0        | .0567 | 102.  | 75-125 | L458099-06 | WG477848 |
| Cadmium                         | mg/l  | 0.0574       | 0        | .0567 | 101.  | 75-125 | L458099-06 | WG477848 |
| Copper                          | mg/l  | 0.0576       | 0.00419  | .0567 | 94.2  | 75-125 | L458099-06 | WG477848 |
| Lead                            | mg/l  | 0.0541       | 0        | .0567 | 95.4  | 75-125 | L458099-06 | WG477848 |
| Selenium                        | mg/l  | 0.0592       | 0.000720 | .0567 | 103.  | 75-125 | L458099-06 | WG477848 |
| Silver                          | mg/l  | 0.0530       | 0.000110 | .0567 | 93.3  | 75-125 | L458099-06 | WG477848 |
| Zinc                            | mg/l  | 0.0587       | 0.00508  | .0567 | 94.6  | 75-125 | L458099-06 | WG477848 |
| Phosphorus, Total               | mg/l  | 6.65         | 3.80     | 2.5   | 114.  | 80-120 | L457486-01 | WG478029 |
| Chloride                        | mg/l  | 50.9         | 0        | 50    | 102.  | 80-120 | L458081-01 | WG478176 |
| Fluoride                        | mg/l  | 4.96         | 0        | 5     | 99.2  | 80-120 | L458081-01 | WG478176 |
| Sulfate                         | mg/l  | 65.6         | 15.0     | 50    | 101.  | 80-120 | L458081-01 | WG478176 |

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| Analyte                      | Units | MS Res | Matrix Spike |      | % Rec | Limit  | Ref Samp   | Batch    |
|------------------------------|-------|--------|--------------|------|-------|--------|------------|----------|
|                              |       |        | Ref Res      | TV   |       |        |            |          |
| Chloride                     | mg/l  | 145.   | 96.0         | 50   | 98.0  | 80-120 | L458780-03 | WG478176 |
| Fluoride                     | mg/l  | 5.77   | 0.340        | 5    | 109.  | 80-120 | L458780-03 | WG478176 |
| Sulfate                      | mg/l  | 96.6   | 44.0         | 50   | 105.  | 80-120 | L458780-03 | WG478176 |
| Chloride                     | mg/l  | 50.4   | 0            | 50   | 101.  | 80-120 | L458081-02 | WG478231 |
| Fluoride                     | mg/l  | 5.20   | 0            | 5    | 104.  | 80-120 | L458081-02 | WG478231 |
| Sulfate                      | mg/l  | 56.3   | 6.50         | 50   | 99.6  | 80-120 | L458081-02 | WG478231 |
| Phosphorus, Total            | mg/l  | 2.70   | 0.0600       | 2.5  | 106.  | 80-120 | L457999-01 | WG477860 |
| Alkalinity                   | mg/l  | 252.   | 81.0         | 200  | 85.5  | 80-120 | L458081-01 | WG478221 |
| Benzene                      | mg/l  | 0.0506 | 0            | .05  | 101.  | 35-147 | L457943-19 | WG478248 |
| Ethylbenzene                 | mg/l  | 0.0577 | 0            | .05  | 115.  | 39-141 | L457943-19 | WG478248 |
| Toluene                      | mg/l  | 0.0566 | 0            | .05  | 113.  | 35-148 | L457943-19 | WG478248 |
| Total Xylene                 | mg/l  | 0.170  | 0            | .15  | 113.  | 33-151 | L457943-19 | WG478248 |
| a,a,a-Trifluorotoluene (FID) |       |        |              |      | 98.24 | 62-128 |            | WG478248 |
| a,a,a-Trifluorotoluene (PID) |       |        |              |      | 100.7 | 55-122 |            | WG478248 |
| TPH (GC/FID) Low Fraction    | mg/l  | 4.86   | 0            | 5.5  | 88.3  | 55-109 | L457943-19 | WG478248 |
| a,a,a-Trifluorotoluene (FID) |       |        |              |      | 92.94 | 62-128 |            | WG478248 |
| a,a,a-Trifluorotoluene (PID) |       |        |              |      | 113.3 | 55-122 |            | WG478248 |
| Barium                       | mg/l  | 1.18   | 0.0290       | 1.13 | 102.  | 75-125 | L458081-01 | WG477892 |
| Calcium                      | mg/l  | 33.2   | 22.0         | 11.3 | 99.1  | 75-125 | L458081-01 | WG477892 |
| Chromium                     | mg/l  | 1.16   | 0            | 1.13 | 103.  | 75-125 | L458081-01 | WG477892 |
| Iron                         | mg/l  | 1.28   | 0.140        | 1.13 | 101.  | 75-125 | L458081-01 | WG477892 |
| Magnesium                    | mg/l  | 15.3   | 3.40         | 11.3 | 105.  | 75-125 | L458081-01 | WG477892 |
| Manganese                    | mg/l  | 1.13   | 0            | 1.13 | 100.  | 75-125 | L458081-01 | WG477892 |
| Sodium                       | mg/l  | 20.3   | 9.10         | 11.3 | 99.1  | 75-125 | L458081-01 | WG477892 |
| Ammonia Nitrogen             | mg/l  | 5.10   | 0            | 5    | 102.  | 90-110 | L458275-02 | WG478799 |

| Analyte                         | Units | MSD    | Matrix Spike Duplicate |        | Limit  | RPD   | Limit | Ref Samp   | Batch    |
|---------------------------------|-------|--------|------------------------|--------|--------|-------|-------|------------|----------|
|                                 |       |        | Ref                    | %Rec   |        |       |       |            |          |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 745.   | 765.                   | 0.667* | 80-120 | 2.65  | 20    | L457912-01 | WG477587 |
| Nitrate-Nitrite                 | mg/l  | 5.43   | 5.48                   | 84.6   | 80-120 | 0.917 | 20    | L457901-01 | WG478254 |
| Arsenic                         | mg/l  | 0.0578 | 0.0578                 | 102.   | 75-125 | 0     | 20    | L458099-06 | WG477848 |
| Cadmium                         | mg/l  | 0.0555 | 0.0574                 | 97.9   | 75-125 | 3.37  | 20    | L458099-06 | WG477848 |
| Copper                          | mg/l  | 0.0577 | 0.0576                 | 94.4   | 75-125 | 0.173 | 20    | L458099-06 | WG477848 |
| Lead                            | mg/l  | 0.0534 | 0.0541                 | 94.2   | 75-125 | 1.30  | 20    | L458099-06 | WG477848 |
| Selenium                        | mg/l  | 0.0582 | 0.0592                 | 101.   | 75-125 | 1.70  | 20    | L458099-06 | WG477848 |
| Silver                          | mg/l  | 0.0522 | 0.0530                 | 91.9   | 75-125 | 1.52  | 20    | L458099-06 | WG477848 |
| Zinc                            | mg/l  | 0.0580 | 0.0587                 | 93.3   | 75-125 | 1.20  | 20    | L458099-06 | WG477848 |
| Phosphorus, Total               | mg/l  | 6.17   | 6.65                   | 94.8   | 80-120 | 7.49  | 20    | L457486-01 | WG478029 |

\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

Buys and Associates, Inc - GJ, CO  
Derek Veazey  
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Quality Assurance Report  
Level II

L458081

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Tax I.D. 62-0814289

Est. 1970

May 17, 2010

| Analyte                      | Units | MSD    | Matrix Spike Duplicate |       | Limit  | RPD   | Limit | Ref        | Samp     | Batch |
|------------------------------|-------|--------|------------------------|-------|--------|-------|-------|------------|----------|-------|
|                              |       |        | Ref                    | %Rec  |        |       |       |            |          |       |
| Chloride                     | mg/l  | 49.2   | 50.9                   | 98.4  | 80-120 | 3.40  | 20    | L458081-01 | WG478176 |       |
| Fluoride                     | mg/l  | 4.82   | 4.96                   | 96.4  | 80-120 | 2.86  | 20    | L458081-01 | WG478176 |       |
| Sulfate                      | mg/l  | 63.8   | 65.6                   | 97.6  | 80-120 | 2.78  | 20    | L458081-01 | WG478176 |       |
| Chloride                     | mg/l  | 140.   | 145.                   | 88.0  | 80-120 | 3.51  | 20    | L458780-03 | WG478176 |       |
| Fluoride                     | mg/l  | 5.17   | 5.77                   | 96.6  | 80-120 | 11.0  | 20    | L458780-03 | WG478176 |       |
| Sulfate                      | mg/l  | 90.5   | 96.6                   | 93.0  | 80-120 | 6.52  | 20    | L458780-03 | WG478176 |       |
| Chloride                     | mg/l  | 49.6   | 50.4                   | 99.2  | 80-120 | 1.60  | 20    | L458081-02 | WG478231 |       |
| Fluoride                     | mg/l  | 5.13   | 5.20                   | 103.  | 80-120 | 1.36  | 20    | L458081-02 | WG478231 |       |
| Sulfate                      | mg/l  | 55.4   | 56.3                   | 97.8  | 80-120 | 1.61  | 20    | L458081-02 | WG478231 |       |
| Phosphorus, Total            | mg/l  | 2.64   | 2.70                   | 103.  | 80-120 | 2.25  | 20    | L457999-01 | WG477860 |       |
| Alkalinity                   | mg/l  | 252.   | 252.                   | 85.5  | 80-120 | 0     | 20    | L458081-01 | WG478221 |       |
| Benzene                      | mg/l  | 0.0493 | 0.0506                 | 98.6  | 35-147 | 2.61  | 20    | L457943-19 | WG478248 |       |
| Ethylbenzene                 | mg/l  | 0.0556 | 0.0577                 | 111.  | 39-141 | 3.63  | 20    | L457943-19 | WG478248 |       |
| Toluene                      | mg/l  | 0.0540 | 0.0566                 | 108.  | 35-148 | 4.57  | 20    | L457943-19 | WG478248 |       |
| Total Xylene                 | mg/l  | 0.163  | 0.170                  | 109.  | 33-151 | 4.16  | 20    | L457943-19 | WG478248 |       |
| a,a,a-Trifluorotoluene (FID) |       |        |                        | 98.69 | 62-128 |       |       |            | WG478248 |       |
| a,a,a-Trifluorotoluene (PID) |       |        |                        | 101.6 | 55-122 |       |       |            | WG478248 |       |
| TPH (GC/FID) Low Fraction    | mg/l  | 4.79   | 4.86                   | 87.0  | 55-109 | 1.41  | 20    | L457943-19 | WG478248 |       |
| a,a,a-Trifluorotoluene (FID) |       |        |                        | 92.01 | 62-128 |       |       |            | WG478248 |       |
| a,a,a-Trifluorotoluene (PID) |       |        |                        | 113.1 | 55-122 |       |       |            | WG478248 |       |
| Barium                       | mg/l  | 1.18   | 1.18                   | 102.  | 75-125 | 0     | 20    | L458081-01 | WG477892 |       |
| Calcium                      | mg/l  | 33.6   | 33.2                   | 103.  | 75-125 | 1.20  | 20    | L458081-01 | WG477892 |       |
| Chromium                     | mg/l  | 1.14   | 1.16                   | 101.  | 75-125 | 1.74  | 20    | L458081-01 | WG477892 |       |
| Iron                         | mg/l  | 1.27   | 1.28                   | 100.  | 75-125 | 0.784 | 20    | L458081-01 | WG477892 |       |
| Magnesium                    | mg/l  | 15.3   | 15.3                   | 105.  | 75-125 | 0     | 20    | L458081-01 | WG477892 |       |
| Manganese                    | mg/l  | 1.14   | 1.13                   | 101.  | 75-125 | 0.881 | 20    | L458081-01 | WG477892 |       |
| Sodium                       | mg/l  | 20.2   | 20.3                   | 98.2  | 75-125 | 0.494 | 20    | L458081-01 | WG477892 |       |
| Ammonia Nitrogen             | mg/l  | 5.03   | 5.10                   | 101.  | 90-110 | 1.38  | 20    | L458275-02 | WG478799 |       |

Batch number /Run number / Sample number cross reference

WG477351: R1212389: L458081-01 02 03 04  
WG477587: R1214648: L458081-01 02 03 04  
WG477632: R1215808: L458081-01 02 03  
WG477854: R1215831: L458081-01 02 03 04  
WG477533: R1217868: L458081-01  
WG478254: R1218548: L458081-01 02 03 04  
WG478298: R1218728: L458081-01 02 03 04  
WG477848: R1218788: L458081-01 02 03 04  
WG478078: R1218809: L458081-01 02 03 04  
WG478029: R1219049: L458081-03 04  
WG478176: R1219428: L458081-01 04  
WG478231: R1219614: L458081-02 03  
WG477595: R1219769: L458081-01 02 03 04  
WG477706: R1219828: L458081-04  
WG477705: R1219848: L458081-01 02 03

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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May 17, 2010

WG478446: R1220109: L458081-04  
WG477860: R1220208: L458081-01 02  
WG478221: R1220250: L458081-01 02 03 04  
WG477707: R1220321: L458081-02 03 04  
WG478248: R1220809: L458081-01 02 03 04  
WG477892: R1223930: L458081-01 02 03 04  
WG478799: R1224109: L458081-01 02 03 04

\* \* Calculations are performed prior to rounding of reported values .  
\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'





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Est. 1970

May 17, 2010

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

JOHN C. KEPHART & CO.  
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

— ANALYTICAL REPORT —

Received from:

Buys and Associates, Dan Soucy  
300 East Mineral Ave., Suite #10  
Littleton, CO 80122-2655  
FAX 303-781-1167, phone 303-781-8211



Customer No. \_\_\_\_\_ Laboratory No. 0384 Sample water

Date Received 5/7/10 Date Reported 5/10/10

Lab Number: 0384  
Client Sample ID: 001 5-7-10 10:30 by DV & DS Tepee Ranch  
E. Coli 0 colonies/100ml sample

Lab Number: 0385  
Client Sample ID: 002 5-7-10 12:15 by DV & DS  
E. Coli 0 colonies/100ml sample

Lab Number: 0386  
Client Sample ID: 003 5-7-10 11:30 Tepee Ranch  
E. Coli 0 colonies/100ml sample

Lab Number: 0387  
Client Sample ID: 004 5-7-10 1:00 Tepee Ranch  
E. Coli 0 colonies/100ml sample

Lab Director: B. Bauer

## DECEMBER 2009 LAB RESULTS



12065 Lebanon Rd.  
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Tax I.D. 62-0814289

Est. 1970

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100

Grand Junction, CO 81501

## Report Summary

Friday December 11, 2009

Report Number: L434985

Samples Received: 12/04/09

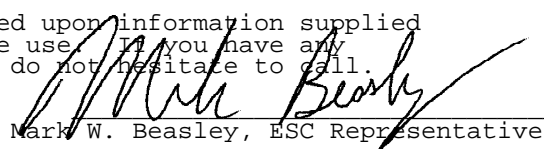
Client Project: 499-03

Description: Tepee Park Ranch

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

### Laboratory Certification Numbers

  
Mark W. Beasley, ESC Representative

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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Est. 1970

# REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

December 11, 2009

Date Received : December 04, 2009  
Description : Teepee Park Ranch

Sample ID : 004

Collected By : Derek Veazey  
Collection Date : 12/03/09 13:25

ESC Sample # : L434985-01

Site ID :

Project # : 499-03

| Parameter                       | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|---------------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                        | 1.8    | 1.0        | mg/l   | 9056      | 12/05/09 | 1    |
| Fluoride                        | 0.12   | 0.10       | mg/l   | 9056      | 12/05/09 | 1    |
| Sulfate                         | 13.    | 5.0        | mg/l   | 9056      | 12/05/09 | 1    |
| Alkalinity                      | 180    | 20.        | mg/l   | 2320B     | 12/09/09 | 1    |
| Hardness, Total (mg/L as CaCO3) | 150    | 30.        | mg/l   | 130.1     | 12/09/09 | 1    |
| Ammonia Nitrogen                | BDL    | 0.10       | mg/l   | 350.1     | 12/10/09 | 1    |
| Nitrate-Nitrite                 | 0.32   | 0.10       | mg/l   | 353.2     | 12/09/09 | 1    |
| Phosphorus, Total               | BDL    | 0.10       | mg/l   | 365.1     | 12/09/09 | 1    |
| Turbidity                       | 1.3    | 0.10       | NTU    | SM2130B   | 12/04/09 | 1    |
| Dissolved Solids                | 200    | 10.        | mg/l   | 2540C     | 12/11/09 | 1    |
| Suspended Solids                | 5.0    | 1.0        | mg/l   | 2540D     | 12/10/09 | 1    |
| Arsenic                         | BDL    | 0.0050     | mg/l   | 6020      | 12/06/09 | 5    |
| Barium                          | 0.047  | 0.0050     | mg/l   | 6010B     | 12/05/09 | 1    |
| Cadmium                         | BDL    | 0.0050     | mg/l   | 6010B     | 12/05/09 | 1    |
| Calcium                         | 43.    | 0.50       | mg/l   | 6010B     | 12/05/09 | 1    |
| Chromium                        | BDL    | 0.010      | mg/l   | 6010B     | 12/05/09 | 1    |
| Copper                          | BDL    | 0.020      | mg/l   | 6010B     | 12/05/09 | 1    |
| Iron                            | BDL    | 0.10       | mg/l   | 6010B     | 12/05/09 | 1    |
| Lead                            | BDL    | 0.0050     | mg/l   | 6010B     | 12/05/09 | 1    |
| Magnesium                       | 8.6    | 0.10       | mg/l   | 6010B     | 12/05/09 | 1    |
| Manganese                       | BDL    | 0.010      | mg/l   | 6010B     | 12/05/09 | 1    |
| Selenium                        | BDL    | 0.020      | mg/l   | 6010B     | 12/05/09 | 1    |
| Silver                          | BDL    | 0.010      | mg/l   | 6010B     | 12/05/09 | 1    |
| Sodium                          | 16.    | 0.50       | mg/l   | 6010B     | 12/05/09 | 1    |
| Zinc                            | 0.044  | 0.030      | mg/l   | 6010B     | 12/05/09 | 1    |
| Benzene                         | BDL    | 0.00050    | mg/l   | 8021/8015 | 12/05/09 | 1    |
| Toluene                         | BDL    | 0.0050     | mg/l   | 8021/8015 | 12/05/09 | 1    |
| Ethylbenzene                    | BDL    | 0.00050    | mg/l   | 8021/8015 | 12/05/09 | 1    |
| Total Xylene                    | BDL    | 0.0015     | mg/l   | 8021/8015 | 12/05/09 | 1    |
| TPH (GC/FID) Low Fraction       | BDL    | 0.10       | mg/l   | 8015      | 12/05/09 | 1    |
| Surrogate Recovery-%            |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)     | 101.   |            | % Rec. | 8021/8015 | 12/05/09 | 1    |
| a,a,a-Trifluorotoluene(PID)     | 104.   |            | % Rec. | 8021/8015 | 12/05/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

December 11, 2009

Date Received : December 04, 2009  
Description : Tepee Park Ranch

Sample ID : 004

Collected By : Derek Veazey  
Collection Date : 12/03/09 13:25

ESC Sample # : L434985-01

Site ID :

Project # : 499-03

| Parameter                         | Result   | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|----------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction        | BDL      | 0.10       | mg/l   | 8015      | 12/08/09 | 1    |
| Surrogate recovery(%)             |          |            |        |           |          |      |
| o-Terphenyl                       | 83.9     |            | % Rec. | 8015      | 12/08/09 | 1    |
| Polynuclear Aromatic Hydrocarbons |          |            |        |           |          |      |
| Anthracene                        | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Acenaphthene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Acenaphthylene                    | 0.000094 | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(a)anthracene                | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(a)pyrene                    | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(b)fluoranthene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(g,h,i)perylene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(k)fluoranthene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Chrysene                          | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Dibenz(a,h)anthracene             | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Fluoranthene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Fluorene                          | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Naphthalene                       | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Phenanthrene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Pyrene                            | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 1-Methylnaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 2-Methylnaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 2-Chloronaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Surrogate Recovery                |          |            |        |           |          |      |
| Nitrobenzene-d5                   | 66.3     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |
| 2-Fluorobiphenyl                  | 74.2     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |
| p-Terphenyl-d14                   | 120.     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 12/11/09 16:17 Printed: 12/11/09 16:18

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

December 11, 2009

Date Received : December 04, 2009  
Description : Teepee Park Ranch

Sample ID : 003

Collected By : Derek Veazey  
Collection Date : 12/03/09 12:50

ESC Sample # : L434985-02

Site ID :

Project # : 499-03

| Parameter                       | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|---------------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                        | BDL    | 1.0        | mg/l   | 9056      | 12/05/09 | 1    |
| Fluoride                        | BDL    | 0.10       | mg/l   | 9056      | 12/05/09 | 1    |
| Sulfate                         | 11.    | 5.0        | mg/l   | 9056      | 12/05/09 | 1    |
| Alkalinity                      | 130    | 20.        | mg/l   | 2320B     | 12/09/09 | 1    |
| Hardness, Total (mg/L as CaCO3) | 110    | 30.        | mg/l   | 130.1     | 12/09/09 | 1    |
| Ammonia Nitrogen                | BDL    | 0.10       | mg/l   | 350.1     | 12/10/09 | 1    |
| Nitrate-Nitrite                 | 0.25   | 0.10       | mg/l   | 353.2     | 12/09/09 | 1    |
| Phosphorus, Total               | BDL    | 0.10       | mg/l   | 365.1     | 12/09/09 | 1    |
| Turbidity                       | 2.6    | 0.10       | NTU    | SM2130B   | 12/05/09 | 1    |
| Dissolved Solids                | 150    | 10.        | mg/l   | 2540C     | 12/11/09 | 1    |
| Suspended Solids                | 4.5    | 1.0        | mg/l   | 2540D     | 12/09/09 | 1    |
| Arsenic                         | 0.0027 | 0.0010     | mg/l   | 6020      | 12/08/09 | 1    |
| Barium                          | 0.031  | 0.0050     | mg/l   | 6010B     | 12/07/09 | 1    |
| Cadmium                         | BDL    | 0.0050     | mg/l   | 6010B     | 12/07/09 | 1    |
| Calcium                         | 31.    | 0.50       | mg/l   | 6010B     | 12/07/09 | 1    |
| Chromium                        | BDL    | 0.010      | mg/l   | 6010B     | 12/07/09 | 1    |
| Copper                          | BDL    | 0.020      | mg/l   | 6010B     | 12/07/09 | 1    |
| Iron                            | BDL    | 0.10       | mg/l   | 6010B     | 12/07/09 | 1    |
| Lead                            | 0.0067 | 0.0050     | mg/l   | 6010B     | 12/07/09 | 1    |
| Magnesium                       | 5.8    | 0.10       | mg/l   | 6010B     | 12/07/09 | 1    |
| Manganese                       | BDL    | 0.010      | mg/l   | 6010B     | 12/07/09 | 1    |
| Selenium                        | BDL    | 0.020      | mg/l   | 6010B     | 12/07/09 | 1    |
| Silver                          | 0.018  | 0.010      | mg/l   | 6010B     | 12/07/09 | 1    |
| Sodium                          | 13.    | 0.50       | mg/l   | 6010B     | 12/07/09 | 1    |
| Zinc                            | BDL    | 0.030      | mg/l   | 6010B     | 12/07/09 | 1    |
| Benzene                         | BDL    | 0.00050    | mg/l   | 8021/8015 | 12/07/09 | 1    |
| Toluene                         | BDL    | 0.0050     | mg/l   | 8021/8015 | 12/07/09 | 1    |
| Ethylbenzene                    | BDL    | 0.00050    | mg/l   | 8021/8015 | 12/07/09 | 1    |
| Total Xylene                    | BDL    | 0.0015     | mg/l   | 8021/8015 | 12/07/09 | 1    |
| TPH (GC/FID) Low Fraction       | BDL    | 0.10       | mg/l   | 8015      | 12/07/09 | 1    |
| Surrogate Recovery-%            |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)     | 97.3   |            | % Rec. | 8021/8015 | 12/07/09 | 1    |
| a,a,a-Trifluorotoluene(PID)     | 100.   |            | % Rec. | 8021/8015 | 12/07/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

December 11, 2009

Date Received : December 04, 2009  
Description : Tepee Park Ranch

Sample ID : 003

Collected By : Derek Veazey  
Collection Date : 12/03/09 12:50

ESC Sample # : L434985-02

Site ID :

Project # : 499-03

| Parameter                         | Result   | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|----------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction        | BDL      | 0.10       | mg/l   | 8015      | 12/08/09 | 1    |
| Surrogate recovery(%)             |          |            |        |           |          |      |
| o-Terphenyl                       | 84.9     |            | % Rec. | 8015      | 12/08/09 | 1    |
| Polynuclear Aromatic Hydrocarbons |          |            |        |           |          |      |
| Anthracene                        | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Acenaphthene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Acenaphthylene                    | 0.000080 | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(a)anthracene                | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(a)pyrene                    | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(b)fluoranthene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(g,h,i)perylene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(k)fluoranthene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Chrysene                          | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Dibenz(a,h)anthracene             | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Fluoranthene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Fluorene                          | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Naphthalene                       | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Phenanthrene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Pyrene                            | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 1-Methylnaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 2-Methylnaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 2-Chloronaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Surrogate Recovery                |          |            |        |           |          |      |
| Nitrobenzene-d5                   | 62.2     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |
| 2-Fluorobiphenyl                  | 65.5     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |
| p-Terphenyl-d14                   | 97.0     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

# REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

December 11, 2009

Date Received : December 04, 2009  
Description : Teepee Park Ranch

Sample ID : 001

Collected By : Derek Veazey  
Collection Date : 12/03/09 11:50

ESC Sample # : L434985-03

Site ID :

Project # : 499-03

| Parameter                       | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|---------------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                        | BDL    | 1.0        | mg/l   | 9056      | 12/05/09 | 1    |
| Fluoride                        | BDL    | 0.10       | mg/l   | 9056      | 12/05/09 | 1    |
| Sulfate                         | 17.    | 5.0        | mg/l   | 9056      | 12/05/09 | 1    |
| Alkalinity                      | 140    | 20.        | mg/l   | 2320B     | 12/09/09 | 1    |
| Hardness, Total (mg/L as CaCO3) | 120    | 30.        | mg/l   | 130.1     | 12/09/09 | 1    |
| Ammonia Nitrogen                | BDL    | 0.10       | mg/l   | 350.1     | 12/10/09 | 1    |
| Nitrate-Nitrite                 | 0.25   | 0.10       | mg/l   | 353.2     | 12/09/09 | 1    |
| Phosphorus, Total               | BDL    | 0.10       | mg/l   | 365.1     | 12/09/09 | 1    |
| Turbidity                       | 0.88   | 0.10       | NTU    | SM2130B   | 12/05/09 | 1    |
| Dissolved Solids                | 170    | 10.        | mg/l   | 2540C     | 12/11/09 | 1    |
| Suspended Solids                | 1.1    | 1.0        | mg/l   | 2540D     | 12/09/09 | 1    |
| Arsenic                         | 0.0030 | 0.0010     | mg/l   | 6020      | 12/10/09 | 1    |
| Barium                          | 0.038  | 0.0050     | mg/l   | 6010B     | 12/07/09 | 1    |
| Cadmium                         | BDL    | 0.0050     | mg/l   | 6010B     | 12/07/09 | 1    |
| Calcium                         | 35.    | 0.50       | mg/l   | 6010B     | 12/07/09 | 1    |
| Chromium                        | BDL    | 0.010      | mg/l   | 6010B     | 12/07/09 | 1    |
| Copper                          | BDL    | 0.020      | mg/l   | 6010B     | 12/07/09 | 1    |
| Iron                            | BDL    | 0.10       | mg/l   | 6010B     | 12/07/09 | 1    |
| Lead                            | 0.0060 | 0.0050     | mg/l   | 6010B     | 12/07/09 | 1    |
| Magnesium                       | 5.4    | 0.10       | mg/l   | 6010B     | 12/07/09 | 1    |
| Manganese                       | BDL    | 0.010      | mg/l   | 6010B     | 12/07/09 | 1    |
| Selenium                        | BDL    | 0.020      | mg/l   | 6010B     | 12/07/09 | 1    |
| Silver                          | 0.012  | 0.010      | mg/l   | 6010B     | 12/07/09 | 1    |
| Sodium                          | 16.    | 0.50       | mg/l   | 6010B     | 12/07/09 | 1    |
| Zinc                            | BDL    | 0.030      | mg/l   | 6010B     | 12/07/09 | 1    |
| Benzene                         | BDL    | 0.00050    | mg/l   | 8021/8015 | 12/07/09 | 1    |
| Toluene                         | BDL    | 0.0050     | mg/l   | 8021/8015 | 12/07/09 | 1    |
| Ethylbenzene                    | BDL    | 0.00050    | mg/l   | 8021/8015 | 12/07/09 | 1    |
| Total Xylene                    | BDL    | 0.0015     | mg/l   | 8021/8015 | 12/07/09 | 1    |
| TPH (GC/FID) Low Fraction       | BDL    | 0.10       | mg/l   | 8015      | 12/07/09 | 1    |
| Surrogate Recovery-%            |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID)     | 98.0   |            | % Rec. | 8021/8015 | 12/07/09 | 1    |
| a,a,a-Trifluorotoluene(PID)     | 101.   |            | % Rec. | 8021/8015 | 12/07/09 | 1    |

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit(PQL)

REPORT OF ANALYSIS

Derek Veazey  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

December 11, 2009

Date Received : December 04, 2009  
Description : Tepee Park Ranch

Sample ID : 001

Collected By : Derek Veazey  
Collection Date : 12/03/09 11:50

ESC Sample # : L434985-03

Site ID :

Project # : 499-03

| Parameter                         | Result   | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------------|----------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction        | BDL      | 0.10       | mg/l   | 8015      | 12/08/09 | 1    |
| Surrogate recovery(%)             |          |            |        |           |          |      |
| o-Terphenyl                       | 85.7     |            | % Rec. | 8015      | 12/08/09 | 1    |
| Polynuclear Aromatic Hydrocarbons |          |            |        |           |          |      |
| Anthracene                        | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Acenaphthene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Acenaphthylene                    | 0.000082 | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(a)anthracene                | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(a)pyrene                    | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(b)fluoranthene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(g,h,i)perylene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Benzo(k)fluoranthene              | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Chrysene                          | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Dibenz(a,h)anthracene             | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Fluoranthene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Fluorene                          | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Indeno(1,2,3-cd)pyrene            | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Naphthalene                       | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Phenanthrene                      | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Pyrene                            | BDL      | 0.000050   | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 1-Methylnaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 2-Methylnaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| 2-Chloronaphthalene               | BDL      | 0.00025    | mg/l   | 8270C-SIM | 12/08/09 | 1    |
| Surrogate Recovery                |          |            |        |           |          |      |
| Nitrobenzene-d5                   | 61.7     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |
| 2-Fluorobiphenyl                  | 63.7     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |
| p-Terphenyl-d14                   | 107.     |            | % Rec. | 8270C-SIM | 12/08/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Attachment A  
List of Analytes with QC Qualifiers

| Sample<br>Number | Work<br>Group | Sample<br>Type | Analyte | Run<br>ID | Qualifier |
|------------------|---------------|----------------|---------|-----------|-----------|
| L434985-01       | WG453762      | SAMP           | Arsenic | R1024429  | 0         |

Attachment B  
Explanation of QC Qualifier Codes

| Qualifier | Meaning                                                                                                                                                                                              |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| O         | (ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution. |

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
12/11/09 at 16:18:12

TSR Signing Reports: 134  
R5 - Desired TAT

Sample: L434985-01 Account: BUYSGJCO Received: 12/04/09 09:00 Due Date: 12/11/09 00:00 RPT Date: 12/11/09 16:17

Sample: L434985-02 Account: BUYSGJCO Received: 12/04/09 09:00 Due Date: 12/11/09 00:00 RPT Date: 12/11/09 16:17

Sample: L434985-03 Account: BUYSGJCO Received: 12/04/09 09:00 Due Date: 12/11/09 00:00 RPT Date: 12/11/09 16:17



**YOUR LAB OF CHOICE**

Buys and Associates, Inc - GJ, CO  
Derek Veazey  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81501

Quality Assurance Report  
Level II

L434985

12065 Lebanon Rd.  
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(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

December 11, 2009

| Analyte                     | Result  | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|-----------------------------|---------|------------------|-------|--------|----------|----------------|
|                             |         | Units            | % Rec |        |          |                |
| Turbidity                   | < .1    | NTU              |       |        | WG453619 | 12/04/09 17:22 |
| Turbidity                   | < .1    | NTU              |       |        | WG453854 | 12/05/09 09:02 |
| Barium                      | < .005  | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Cadmium                     | < .005  | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Calcium                     | < .5    | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Chromium                    | < .01   | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Copper                      | < .02   | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Iron                        | < .1    | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Lead                        | < .005  | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Magnesium                   | < .1    | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Manganese                   | < .01   | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Selenium                    | < .02   | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Silver                      | < .01   | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Sodium                      | < .5    | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Zinc                        | < .03   | mg/l             |       |        | WG453747 | 12/05/09 11:02 |
| Benzene                     | < .0005 | mg/l             |       |        | WG453759 | 12/04/09 19:32 |
| Ethylbenzene                | < .0005 | mg/l             |       |        | WG453759 | 12/04/09 19:32 |
| Toluene                     | < .005  | mg/l             |       |        | WG453759 | 12/04/09 19:32 |
| TPH (GC/FID) Low Fraction   | < .1    | mg/l             |       |        | WG453759 | 12/04/09 19:32 |
| Total Xylene                | < .0015 | mg/l             |       |        | WG453759 | 12/04/09 19:32 |
| a,a,a-Trifluorotoluene(FID) |         | % Rec.           | 101.1 | 62-128 | WG453759 | 12/04/09 19:32 |
| a,a,a-Trifluorotoluene(PID) |         | % Rec.           | 104.6 | 55-122 | WG453759 | 12/04/09 19:32 |
| Arsenic                     | < .001  | mg/l             |       |        | WG453762 | 12/06/09 20:07 |
| Chloride                    | < 1     | mg/l             |       |        | WG453870 | 12/05/09 10:41 |
| Fluoride                    | < .1    | mg/l             |       |        | WG453870 | 12/05/09 10:41 |
| Sulfate                     | < 5     | mg/l             |       |        | WG453870 | 12/05/09 10:41 |
| Chloride                    | < 1     | mg/l             |       |        | WG453871 | 12/05/09 09:22 |
| Fluoride                    | < .1    | mg/l             |       |        | WG453871 | 12/05/09 09:22 |
| Sulfate                     | < 5     | mg/l             |       |        | WG453871 | 12/05/09 09:22 |
| Barium                      | < .005  | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Cadmium                     | < .005  | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Calcium                     | < .5    | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Chromium                    | < .01   | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Copper                      | < .02   | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Iron                        | < .1    | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Lead                        | < .005  | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Magnesium                   | < .1    | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Manganese                   | < .01   | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Selenium                    | < .02   | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Silver                      | < .01   | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Sodium                      | < .5    | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Zinc                        | < .03   | mg/l             |       |        | WG453976 | 12/08/09 02:58 |
| Benzene                     | < .0005 | mg/l             |       |        | WG453993 | 12/07/09 16:13 |

\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



**YOUR LAB OF CHOICE**

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Derek Veazey  
838 Grand Avenue, Suite 100

Grand Junction, CO 81501

Quality Assurance Report  
Level II

L434985

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Tax I.D. 62-0814289

Est. 1970

December 11, 2009

| Analyte                         | Result  | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|---------------------------------|---------|------------------|-------|--------|----------|----------------|
|                                 |         | Units            | % Rec |        |          |                |
| Ethylbenzene                    | < .0005 | mg/l             |       |        | WG453993 | 12/07/09 16:13 |
| Toluene                         | < .005  | mg/l             |       |        | WG453993 | 12/07/09 16:13 |
| TPH (GC/FID) Low Fraction       | < .1    | mg/l             |       |        | WG453993 | 12/07/09 16:13 |
| Total Xylene                    | < .0015 | mg/l             |       |        | WG453993 | 12/07/09 16:13 |
| a,a,a-Trifluorotoluene(FID)     |         | % Rec.           | 97.97 | 62-128 | WG453993 | 12/07/09 16:13 |
| a,a,a-Trifluorotoluene(PID)     |         | % Rec.           | 101.0 | 55-122 | WG453993 | 12/07/09 16:13 |
| TPH (GC/FID) High Fraction      | < .1    | ppm              |       |        | WG453935 | 12/08/09 20:12 |
| o-Terphenyl                     |         | % Rec.           | 85.10 | 50-150 | WG453935 | 12/08/09 20:12 |
| Arsenic                         | < .001  | mg/l             |       |        | WG453992 | 12/08/09 15:36 |
| Alkalinity                      | < 20    | mg/l             |       |        | WG453999 | 12/09/09 10:08 |
| Hardness, Total (mg/L as CaCO3) | < 30    | mg/l             |       |        | WG454087 | 12/09/09 14:37 |
| Nitrate-Nitrite                 | < .1    | mg/l             |       |        | WG454090 | 12/09/09 04:42 |
| Phosphorus, Total               | < .1    | mg/l             |       |        | WG454040 | 12/09/09 09:22 |
| 1-Methylnaphthalene             | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| 2-Chloronaphthalene             | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| 2-Methylnaphthalene             | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Acenaphthene                    | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Acenaphthylene                  | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Anthracene                      | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Benzo(a)anthracene              | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Benzo(a)pyrene                  | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Benzo(b)fluoranthene            | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Benzo(g,h,i)perylene            | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Benzo(k)fluoranthene            | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Chrysene                        | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Dibenz(a,h)anthracene           | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Fluoranthene                    | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Fluorene                        | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Indeno(1,2,3-cd)pyrene          | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Naphthalene                     | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Phenanthrene                    | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| Pyrene                          | < .001  | mg/l             |       |        | WG453942 | 12/09/09 16:34 |
| 2-Fluorobiphenyl                |         | mg/l             | 68.52 | 26-122 | WG453942 | 12/09/09 16:34 |
| Nitrobenzene-d5                 |         | mg/l             | 80.72 | 12-120 | WG453942 | 12/09/09 16:34 |
| p-Terphenyl-d14                 |         | mg/l             | 104.4 | 34-149 | WG453942 | 12/09/09 16:34 |
| Ammonia Nitrogen                | < .1    | mg/l             |       |        | WG454272 | 12/10/09 13:11 |
| Suspended Solids                | < 1     | mg/l             |       |        | WG454216 | 12/09/09 15:18 |
| Arsenic                         | < .001  | mg/l             |       |        | WG454031 | 12/10/09 12:56 |

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Tax I.D. 62-0814289

Est. 1970

December 11, 2009

| Analyte          | Result | Laboratory Blank |           | Limit | Batch      | Date Analyzed  |
|------------------|--------|------------------|-----------|-------|------------|----------------|
|                  |        | Units            | % Rec     |       |            |                |
| Suspended Solids | < 1    | mg/l             |           |       | WG454224   | 12/10/09 07:59 |
| Dissolved Solids | < 10   | mg/l             |           |       | WG454211   | 12/11/09 13:25 |
| Dissolved Solids | < 10   | mg/l             |           |       | WG454213   | 12/11/09 14:52 |
| Analyte          | Units  | Duplicate        |           | Limit | Ref Samp   | Batch          |
|                  |        | Result           | Duplicate |       |            |                |
| Turbidity        | NTU    | 0.770            | 0.810     | 5.06  | L433269-08 | WG453619       |
| Turbidity        | NTU    | 2.30             | 2.60      | 12.2  | L434985-02 | WG453854       |
| Barium           | mg/l   | 0.0320           | 0.0317    | 0.633 | L434996-07 | WG453747       |
| Cadmium          | mg/l   | 0                | 0.00184   | NA    | L434996-07 | WG453747       |
| Calcium          | mg/l   | 1.40             | 1.34      | 0.743 | L434996-07 | WG453747       |
| Chromium         | mg/l   | 0                | 0         | 0     | L434996-07 | WG453747       |
| Copper           | mg/l   | 0                | 0.00350   | NA    | L434996-07 | WG453747       |
| Iron             | mg/l   | 0.00900          | 0.0280    | 103.* | L434996-07 | WG453747       |
| Lead             | mg/l   | 0                | 0         | 0     | L434996-07 | WG453747       |
| Magnesium        | mg/l   | 1.50             | 1.47      | 3.34  | L434996-07 | WG453747       |
| Manganese        | mg/l   | 0.0800           | 0.0770    | 3.19  | L434996-07 | WG453747       |
| Selenium         | mg/l   | 0                | 0.00590   | NA    | L434996-07 | WG453747       |
| Silver           | mg/l   | 0                | 0         | 0     | L434996-07 | WG453747       |
| Sodium           | mg/l   | 8.40             | 8.30      | 1.20  | L434996-07 | WG453747       |
| Zinc             | mg/l   | 0                | 0.00910   | NA    | L434996-07 | WG453747       |
| Arsenic          | mg/l   | 0.00550          | 0.00530   | 3.34  | L435004-04 | WG453762       |
| Sulfate          | mg/l   | 15.0             | 15.0      | 1.98  | L435252-03 | WG453870       |
| Chloride         | mg/l   | 12.0             | 12.0      | 0     | L434825-11 | WG453870       |
| Fluoride         | mg/l   | 0.210            | 0.210     | 1.44  | L434825-11 | WG453870       |
| Sulfate          | mg/l   | 5.60             | 5.70      | 2.67  | L434825-11 | WG453870       |
| Chloride         | mg/l   | 12.0             | 12.0      | 0.837 | L434825-02 | WG453871       |
| Fluoride         | mg/l   | 0.230            | 0.250     | 7.04  | L434825-02 | WG453871       |
| Sulfate          | mg/l   | 7.30             | 7.20      | 1.65  | L434825-02 | WG453871       |
| Chloride         | mg/l   | 28.0             | 28.0      | 1.44  | L434986-02 | WG453871       |
| Barium           | mg/l   | 0.0300           | 0.0300    | 0.334 | L435328-01 | WG453976       |
| Cadmium          | mg/l   | 0.00130          | 0.00190   | 37.5* | L435328-01 | WG453976       |
| Calcium          | mg/l   | 87.0             | 86.9      | 0.115 | L435328-01 | WG453976       |
| Chromium         | mg/l   | 0.000900         | 0         | NA    | L435328-01 | WG453976       |
| Copper           | mg/l   | 0                | 0.000400  | NA    | L435328-01 | WG453976       |
| Iron             | mg/l   | 0.300            | 0.345     | 15.3  | L435328-01 | WG453976       |
| Lead             | mg/l   | 0.0160           | 0.0260    | 50.6* | L435328-01 | WG453976       |
| Magnesium        | mg/l   | 4.10             | 4.10      | 0.734 | L435328-01 | WG453976       |
| Manganese        | mg/l   | 0.0150           | 0.0182    | 16.7  | L435328-01 | WG453976       |
| Selenium         | mg/l   | 0.00910          | 0         | NA    | L435328-01 | WG453976       |
| Silver           | mg/l   | 0.00900          | 0.00540   | 50.0* | L435328-01 | WG453976       |

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| Analyte                         | Units | Result  | Duplicate |       | RPD | Limit | Ref Samp   | Batch    |
|---------------------------------|-------|---------|-----------|-------|-----|-------|------------|----------|
|                                 |       |         | Duplicate |       |     |       |            |          |
| Sodium                          | mg/l  | 44.0    | 42.5      | 3.92  | 20  |       | L435328-01 | WG453976 |
| Zinc                            | mg/l  | 0.0110  | 0.0593    | 137.* | 20  |       | L435328-01 | WG453976 |
| Arsenic                         | mg/l  | 0.00100 | 0.000970  | 6.00  | 20  |       | L435351-01 | WG453992 |
| Alkalinity                      | mg/l  | 230.    | 240.      | 2.96  | 20  |       | L434997-03 | WG453999 |
| Alkalinity                      | mg/l  | 360.    | 360.      | 0.557 | 20  |       | L434420-01 | WG453999 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 110.    | 120.      | 7.79  | 20  |       | L434985-03 | WG454087 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 200.    | 190.      | 3.11  | 20  |       | L435068-02 | WG454087 |
| Nitrate-Nitrite                 | mg/l  | 0       | 0         | 0     | 20  |       | L435242-01 | WG454090 |
| Nitrate-Nitrite                 | mg/l  | 0.880   | 0.880     | 0.228 | 20  |       | L434522-01 | WG454090 |
| Phosphorus, Total               | mg/l  | 5.90    | 5.90      | 0     | 20  |       | L435009-01 | WG454040 |
| Phosphorus, Total               | mg/l  | 3.70    | 3.70      | 0.814 | 20  |       | L434465-02 | WG454040 |
| Ammonia Nitrogen                | mg/l  | 0.110   | 0         | NA    | 20  |       | L435009-01 | WG454272 |
| Ammonia Nitrogen                | mg/l  | 0       | 0         | 0     | 20  |       | L434843-03 | WG454272 |
| Suspended Solids                | mg/l  | 130.    | 136.      | 4.29  | 5   |       | L435008-01 | WG454216 |
| Suspended Solids                | mg/l  | 5.50    | 5.50      | 0     | 5   |       | L435119-01 | WG454216 |
| Arsenic                         | mg/l  | 0       | 0         | 0     | 20  |       | L435201-06 | WG454031 |
| Suspended Solids                | mg/l  | 9700    | 9700      | 0.206 | 5   |       | L435107-01 | WG454224 |
| Suspended Solids                | mg/l  | 34.0    | 36.0      | 5.71* | 5   |       | L435275-01 | WG454224 |
| Dissolved Solids                | mg/l  | 170.    | 170.      | 1.18  | 5   |       | L434985-03 | WG454211 |
| Dissolved Solids                | mg/l  | 200.    | 200.      | 0     | 5   |       | L434985-01 | WG454213 |

| Analyte   | Units | Laboratory Control Sample |        | % Rec | Limit  | Batch    |
|-----------|-------|---------------------------|--------|-------|--------|----------|
|           |       | Known Val                 | Result |       |        |          |
| Turbidity | NTU   | 40                        | 38.0   | 95.0  | 85-115 | WG453619 |
| Turbidity | NTU   | 40                        | 42.0   | 105.  | 85-115 | WG453854 |
| Barium    | mg/l  | 1.13                      | 1.11   | 98.2  | 85-115 | WG453747 |
| Cadmium   | mg/l  | 1.13                      | 1.11   | 98.2  | 85-115 | WG453747 |
| Calcium   | mg/l  | 11.3                      | 11.2   | 99.1  | 85-115 | WG453747 |
| Chromium  | mg/l  | 1.13                      | 1.12   | 99.1  | 85-115 | WG453747 |
| Copper    | mg/l  | 1.13                      | 1.14   | 101.  | 85-115 | WG453747 |
| Iron      | mg/l  | 1.13                      | 1.12   | 99.1  | 85-115 | WG453747 |
| Lead      | mg/l  | 1.13                      | 1.13   | 100.  | 85-115 | WG453747 |

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| Analyte                     | Units | Laboratory Control Sample |        | % Rec | Limit  | Batch    |
|-----------------------------|-------|---------------------------|--------|-------|--------|----------|
|                             |       | Known Val                 | Result |       |        |          |
| Magnesium                   | mg/l  | 11.3                      | 11.6   | 103.  | 85-115 | WG453747 |
| Manganese                   | mg/l  | 1.13                      | 1.09   | 96.5  | 85-115 | WG453747 |
| Selenium                    | mg/l  | 1.13                      | 1.07   | 94.7  | 85-115 | WG453747 |
| Silver                      | mg/l  | 1.13                      | 1.11   | 98.2  | 85-115 | WG453747 |
| Sodium                      | mg/l  | 11.3                      | 11.1   | 98.2  | 85-115 | WG453747 |
| Zinc                        | mg/l  | 1.13                      | 1.11   | 98.2  | 85-115 | WG453747 |
| Benzene                     | mg/l  | .05                       | 0.0467 | 93.4  | 79-114 | WG453759 |
| Ethylbenzene                | mg/l  | .05                       | 0.0494 | 98.8  | 80-116 | WG453759 |
| Toluene                     | mg/l  | .05                       | 0.0478 | 95.5  | 79-112 | WG453759 |
| Total Xylene                | mg/l  | .15                       | 0.151  | 101.  | 84-118 | WG453759 |
| a,a,a-Trifluorotoluene(FID) |       |                           |        | 99.88 | 62-128 | WG453759 |
| a,a,a-Trifluorotoluene(PID) |       |                           |        | 101.5 | 55-122 | WG453759 |
| TPH (GC/FID) Low Fraction   | mg/l  | 5.5                       | 5.46   | 99.3  | 70-124 | WG453759 |
| a,a,a-Trifluorotoluene(FID) |       |                           |        | 96.86 | 62-128 | WG453759 |
| a,a,a-Trifluorotoluene(PID) |       |                           |        | 105.7 | 55-122 | WG453759 |
| Arsenic                     | mg/l  | .0567                     | 0.0530 | 93.5  | 85-115 | WG453762 |
| Chloride                    | mg/l  | 40                        | 38.8   | 97.0  | 90-110 | WG453870 |
| Fluoride                    | mg/l  | 8                         | 8.08   | 101.  | 90-110 | WG453870 |
| Sulfate                     | mg/l  | 40                        | 36.6   | 91.5  | 90-110 | WG453870 |
| Chloride                    | mg/l  | 40                        | 40.9   | 102.  | 90-110 | WG453871 |
| Fluoride                    | mg/l  | 8                         | 8.26   | 103.  | 90-110 | WG453871 |
| Sulfate                     | mg/l  | 40                        | 37.9   | 94.8  | 90-110 | WG453871 |
| Barium                      | mg/l  | 1.13                      | 1.14   | 101.  | 85-115 | WG453976 |
| Cadmium                     | mg/l  | 1.13                      | 1.17   | 104.  | 85-115 | WG453976 |
| Calcium                     | mg/l  | 11.3                      | 11.2   | 99.1  | 85-115 | WG453976 |
| Chromium                    | mg/l  | 1.13                      | 1.19   | 105.  | 85-115 | WG453976 |
| Copper                      | mg/l  | 1.13                      | 1.11   | 98.2  | 85-115 | WG453976 |
| Iron                        | mg/l  | 1.13                      | 1.03   | 91.2  | 85-115 | WG453976 |
| Lead                        | mg/l  | 1.13                      | 1.16   | 103.  | 85-115 | WG453976 |
| Magnesium                   | mg/l  | 11.3                      | 11.6   | 103.  | 85-115 | WG453976 |
| Manganese                   | mg/l  | 1.13                      | 1.12   | 99.1  | 85-115 | WG453976 |
| Selenium                    | mg/l  | 1.13                      | 1.08   | 95.6  | 85-115 | WG453976 |
| Silver                      | mg/l  | 1.13                      | 1.18   | 104.  | 85-115 | WG453976 |
| Sodium                      | mg/l  | 11.3                      | 11.5   | 102.  | 85-115 | WG453976 |
| Zinc                        | mg/l  | 1.13                      | 1.11   | 98.2  | 85-115 | WG453976 |
| Benzene                     | mg/l  | .05                       | 0.0503 | 101.  | 79-114 | WG453993 |
| Ethylbenzene                | mg/l  | .05                       | 0.0508 | 102.  | 80-116 | WG453993 |
| Toluene                     | mg/l  | .05                       | 0.0497 | 99.5  | 79-112 | WG453993 |
| Total Xylene                | mg/l  | .15                       | 0.155  | 103.  | 84-118 | WG453993 |
| a,a,a-Trifluorotoluene(PID) |       |                           |        | 99.21 | 55-122 | WG453993 |
| TPH (GC/FID) Low Fraction   | mg/l  | 5.5                       | 4.58   | 83.3  | 70-124 | WG453993 |
| a,a,a-Trifluorotoluene(FID) |       |                           |        | 87.60 | 62-128 | WG453993 |
| TPH (GC/FID) High Fraction  | ppm   | 1.5                       | 0.908  | 60.5  | 50-150 | WG453935 |
| o-Terphenyl                 |       |                           |        | 69.87 | 50-150 | WG453935 |

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L434985

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| Analyte                         | Units | Laboratory Control<br>Known Val | Sample<br>Result | % Rec | Limit  | Batch    |
|---------------------------------|-------|---------------------------------|------------------|-------|--------|----------|
| Arsenic                         | mg/l  | .0567                           | 0.0599           | 106.  | 85-115 | WG453992 |
| Alkalinity                      | mg/l  | 40                              | 41.4             | 104.  | 85-115 | WG453999 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 200                             | 188.             | 94.0  | 85-115 | WG454087 |
| Nitrate-Nitrite                 | mg/l  | 5                               | 5.11             | 102.  | 85-115 | WG454090 |
| Phosphorus, Total               | mg/l  | 1                               | 0.996            | 99.6  | 85-115 | WG454040 |
| 1-Methylnaphthalene             | mg/l  | .001                            | 0.000882         | 88.2  | 30-123 | WG453942 |
| 2-Chloronaphthalene             | mg/l  | .001                            | 0.000821         | 82.1  | 34-120 | WG453942 |
| 2-Methylnaphthalene             | mg/l  | .001                            | 0.000760         | 76.0  | 29-116 | WG453942 |
| Acenaphthene                    | mg/l  | .001                            | 0.000719         | 71.9  | 40-113 | WG453942 |
| Acenaphthylene                  | mg/l  | .001                            | 0.000641         | 64.1  | 36-115 | WG453942 |
| Anthracene                      | mg/l  | .001                            | 0.000759         | 75.9  | 45-118 | WG453942 |
| Benzo(a)anthracene              | mg/l  | .001                            | 0.000875         | 87.5  | 36-129 | WG453942 |
| Benzo(a)pyrene                  | mg/l  | .001                            | 0.000879         | 87.9  | 44-124 | WG453942 |
| Benzo(b)fluoranthene            | mg/l  | .001                            | 0.000707         | 70.7  | 43-126 | WG453942 |
| Benzo(g,h,i)perylene            | mg/l  | .001                            | 0.000887         | 88.7  | 39-128 | WG453942 |
| Benzo(k)fluoranthene            | mg/l  | .001                            | 0.000933         | 93.3  | 44-127 | WG453942 |
| Chrysene                        | mg/l  | .001                            | 0.000838         | 83.8  | 36-137 | WG453942 |
| Dibenz(a,h)anthracene           | mg/l  | .001                            | 0.000914         | 91.4  | 39-129 | WG453942 |
| Fluoranthene                    | mg/l  | .001                            | 0.000762         | 76.2  | 45-123 | WG453942 |
| Fluorene                        | mg/l  | .001                            | 0.000714         | 71.4  | 41-118 | WG453942 |
| Indeno(1,2,3-cd)pyrene          | mg/l  | .001                            | 0.000886         | 88.6  | 39-129 | WG453942 |
| Naphthalene                     | mg/l  | .001                            | 0.000766         | 76.6  | 26-111 | WG453942 |
| Phenanthrene                    | mg/l  | .001                            | 0.000688         | 68.8  | 41-116 | WG453942 |
| Pyrene                          | mg/l  | .001                            | 0.000843         | 84.3  | 32-136 | WG453942 |
| 2-Fluorobiphenyl                |       |                                 |                  | 67.53 | 26-122 | WG453942 |
| Nitrobenzene-d5                 |       |                                 |                  | 78.99 | 12-120 | WG453942 |
| p-Terphenyl-d14                 |       |                                 |                  | 107.3 | 34-149 | WG453942 |
| Ammonia Nitrogen                | mg/l  | 7.5                             | 8.08             | 108.  | 90-110 | WG454272 |
| Suspended Solids                | mg/l  | 773                             | 776.             | 100.  | 85-115 | WG454216 |
| Arsenic                         | mg/l  | .0567                           | 0.0493           | 86.9  | 85-115 | WG454031 |
| Suspended Solids                | mg/l  | 773                             | 812.             | 105.  | 85-115 | WG454224 |
| Dissolved Solids                | mg/l  | 8800                            | 8830             | 100.  | 85-115 | WG454211 |
| Dissolved Solids                | mg/l  | 8800                            | 8800             | 100.  | 85-115 | WG454213 |

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**YOUR LAB OF CHOICE**

Buys and Associates, Inc - GJ, CO  
Derek Veazey  
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Quality Assurance Report  
Level II

L434985

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

December 11, 2009

| Analyte                         | Units | Laboratory Control Sample Duplicate |          |       | Limit  | RPD    | Limit | Batch    |
|---------------------------------|-------|-------------------------------------|----------|-------|--------|--------|-------|----------|
|                                 |       | Result                              | Ref      | %Rec  |        |        |       |          |
| Turbidity                       | NTU   | 39.0                                | 38.0     | 98.0  | 85-115 | 2.60   | 20    | WG453619 |
| Turbidity                       | NTU   | 42.0                                | 42.0     | 105.  | 85-115 | 0      | 20    | WG453854 |
| Benzene                         | mg/l  | 0.0475                              | 0.0467   | 95.0  | 79-114 | 1.82   | 20    | WG453759 |
| Ethylbenzene                    | mg/l  | 0.0496                              | 0.0494   | 99.0  | 80-116 | 0.342  | 20    | WG453759 |
| Toluene                         | mg/l  | 0.0476                              | 0.0478   | 95.0  | 79-112 | 0.288  | 20    | WG453759 |
| Total Xylene                    | mg/l  | 0.151                               | 0.151    | 101.  | 84-118 | 0.322  | 20    | WG453759 |
| a,a,a-Trifluorotoluene(FID)     |       |                                     |          | 100.2 | 62-128 |        |       | WG453759 |
| a,a,a-Trifluorotoluene(PID)     |       |                                     |          | 101.5 | 55-122 |        |       | WG453759 |
| TPH (GC/FID) Low Fraction       | mg/l  | 5.47                                | 5.46     | 99.0  | 70-124 | 0.0505 | 20    | WG453759 |
| a,a,a-Trifluorotoluene(FID)     |       |                                     |          | 97.41 | 62-128 |        |       | WG453759 |
| a,a,a-Trifluorotoluene(PID)     |       |                                     |          | 105.9 | 55-122 |        |       | WG453759 |
| Chloride                        | mg/l  | 38.7                                | 38.8     | 97.0  | 90-110 | 0.258  | 20    | WG453870 |
| Fluoride                        | mg/l  | 8.17                                | 8.08     | 102.  | 90-110 | 1.11   | 20    | WG453870 |
| Sulfate                         | mg/l  | 36.6                                | 36.6     | 92.0  | 90-110 | 0      | 20    | WG453870 |
| Chloride                        | mg/l  | 40.8                                | 40.9     | 102.  | 90-110 | 0.245  | 20    | WG453871 |
| Fluoride                        | mg/l  | 8.24                                | 8.26     | 103.  | 90-110 | 0.242  | 20    | WG453871 |
| Sulfate                         | mg/l  | 37.9                                | 37.9     | 95.0  | 90-110 | 0      | 20    | WG453871 |
| Benzene                         | mg/l  | 0.0508                              | 0.0503   | 102.  | 79-114 | 0.999  | 20    | WG453993 |
| Ethylbenzene                    | mg/l  | 0.0512                              | 0.0508   | 102.  | 80-116 | 0.689  | 20    | WG453993 |
| Toluene                         | mg/l  | 0.0499                              | 0.0497   | 100.  | 79-112 | 0.409  | 20    | WG453993 |
| Total Xylene                    | mg/l  | 0.155                               | 0.155    | 104.  | 84-118 | 0.420  | 20    | WG453993 |
| a,a,a-Trifluorotoluene(PID)     |       |                                     |          | 99.47 | 55-122 |        |       | WG453993 |
| TPH (GC/FID) Low Fraction       | mg/l  | 4.53                                | 4.58     | 82.0  | 70-124 | 1.15   | 20    | WG453993 |
| a,a,a-Trifluorotoluene(FID)     |       |                                     |          | 89.43 | 62-128 |        |       | WG453993 |
| TPH (GC/FID) High Fraction      | ppm   | 1.10                                | 0.908    | 73.0  | 50-150 | 19.3   | 25    | WG453935 |
| o-Terphenyl                     |       |                                     |          | 80.78 | 50-150 |        |       | WG453935 |
| Alkalinity                      | mg/l  | 40.4                                | 41.4     | 101.  | 85-115 | 2.44   | 20    | WG453999 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 188.                                | 188.     | 94.0  | 85-115 | 0      | 20    | WG454087 |
| Nitrate-Nitrite                 | mg/l  | 5.24                                | 5.11     | 105.  | 85-115 | 2.51   | 20    | WG454090 |
| Phosphorus, Total               | mg/l  | 1.02                                | 0.996    | 102.  | 85-115 | 2.38   | 20    | WG454040 |
| 1-Methylnaphthalene             | mg/l  | 0.000819                            | 0.000882 | 82.0  | 30-123 | 7.41   | 32    | WG453942 |
| 2-Chloronaphthalene             | mg/l  | 0.000795                            | 0.000821 | 80.0  | 34-120 | 3.18   | 30    | WG453942 |
| 2-Methylnaphthalene             | mg/l  | 0.000730                            | 0.000760 | 73.0  | 29-116 | 3.99   | 31    | WG453942 |
| Acenaphthene                    | mg/l  | 0.000685                            | 0.000719 | 68.0  | 40-113 | 4.82   | 25    | WG453942 |
| Acenaphthylene                  | mg/l  | 0.000654                            | 0.000641 | 65.0  | 36-115 | 1.93   | 25    | WG453942 |
| Anthracene                      | mg/l  | 0.000750                            | 0.000759 | 75.0  | 45-118 | 1.19   | 26    | WG453942 |
| Benzo(a)anthracene              | mg/l  | 0.000805                            | 0.000875 | 80.0  | 36-129 | 8.33   | 26    | WG453942 |
| Benzo(a)pyrene                  | mg/l  | 0.000874                            | 0.000879 | 87.0  | 44-124 | 0.535  | 21    | WG453942 |

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| Analyte                | Units | Laboratory Control Sample Duplicate |          |       | Limit  | RPD    | Limit | Batch    |
|------------------------|-------|-------------------------------------|----------|-------|--------|--------|-------|----------|
|                        |       | Result                              | Ref      | %Rec  |        |        |       |          |
| Benzo(b)fluoranthene   | mg/l  | 0.000816                            | 0.000707 | 82.0  | 43-126 | 14.3   | 38    | WG453942 |
| Benzo(g,h,i)perylene   | mg/l  | 0.000885                            | 0.000887 | 88.0  | 39-128 | 0.189  | 20    | WG453942 |
| Benzo(k)fluoranthene   | mg/l  | 0.000835                            | 0.000933 | 84.0  | 44-127 | 11.0   | 39    | WG453942 |
| Chrysene               | mg/l  | 0.000824                            | 0.000838 | 82.0  | 36-137 | 1.64   | 22    | WG453942 |
| Dibenz(a,h)anthracene  | mg/l  | 0.000899                            | 0.000914 | 90.0  | 39-129 | 1.59   | 20    | WG453942 |
| Fluoranthene           | mg/l  | 0.000727                            | 0.000762 | 73.0  | 45-123 | 4.82   | 25    | WG453942 |
| Fluorene               | mg/l  | 0.000679                            | 0.000714 | 68.0  | 41-118 | 5.02   | 26    | WG453942 |
| Indeno(1,2,3-cd)pyrene | mg/l  | 0.000897                            | 0.000886 | 90.0  | 39-129 | 1.15   | 20    | WG453942 |
| Naphthalene            | mg/l  | 0.000731                            | 0.000766 | 73.0  | 26-111 | 4.60   | 32    | WG453942 |
| Phenanthrene           | mg/l  | 0.000663                            | 0.000688 | 66.0  | 41-116 | 3.62   | 25    | WG453942 |
| Pyrene                 | mg/l  | 0.000823                            | 0.000843 | 82.0  | 32-136 | 2.38   | 22    | WG453942 |
| 2-Fluorobiphenyl       |       |                                     |          | 69.27 | 26-122 |        |       | WG453942 |
| Nitrobenzene-d5        |       |                                     |          | 85.40 | 12-120 |        |       | WG453942 |
| p-Terphenyl-d14        |       |                                     |          | 109.2 | 34-149 |        |       | WG453942 |
| Ammonia Nitrogen       | mg/l  | 8.14                                | 8.08     | 108.  | 90-110 | 0.740  | 20    | WG454272 |
| Suspended Solids       | mg/l  | 784.                                | 776.     | 101.  | 85-115 | 1.03   | 20    | WG454216 |
| Suspended Solids       | mg/l  | 808.                                | 812.     | 104.  | 85-115 | 0.494  | 20    | WG454224 |
| Dissolved Solids       | mg/l  | 8830                                | 8830     | 100.  | 85-115 | 0.0453 | 20    | WG454211 |
| Dissolved Solids       | mg/l  | 8820                                | 8800     | 100.  | 85-115 | 0.272  | 20    | WG454213 |

| Analyte                     | Units | Matrix Spike |          |      |       | Limit  | Ref Samp   | Batch    |
|-----------------------------|-------|--------------|----------|------|-------|--------|------------|----------|
|                             |       | MS Res       | Ref Res  | TV   | % Rec |        |            |          |
| Barium                      | mg/l  | 1.13         | 0.0317   | 1.13 | 97.2  | 75-125 | L434996-07 | WG453747 |
| Cadmium                     | mg/l  | 1.10         | 0.00184  | 1.13 | 97.2  | 75-125 | L434996-07 | WG453747 |
| Calcium                     | mg/l  | 12.2         | 1.34     | 11.3 | 96.1  | 75-125 | L434996-07 | WG453747 |
| Chromium                    | mg/l  | 1.10         | 0        | 1.13 | 97.3  | 75-125 | L434996-07 | WG453747 |
| Copper                      | mg/l  | 1.12         | 0.00350  | 1.13 | 98.8  | 75-125 | L434996-07 | WG453747 |
| Iron                        | mg/l  | 1.12         | 0.0280   | 1.13 | 96.6  | 75-125 | L434996-07 | WG453747 |
| Lead                        | mg/l  | 1.12         | 0        | 1.13 | 99.1  | 75-125 | L434996-07 | WG453747 |
| Magnesium                   | mg/l  | 12.9         | 1.47     | 11.3 | 101.  | 75-125 | L434996-07 | WG453747 |
| Manganese                   | mg/l  | 1.16         | 0.0770   | 1.13 | 95.8  | 75-125 | L434996-07 | WG453747 |
| Selenium                    | mg/l  | 1.05         | 0.00590  | 1.13 | 92.4  | 75-125 | L434996-07 | WG453747 |
| Silver                      | mg/l  | 0.200        | 0        | 1.13 | 17.7* | 75-125 | L434996-07 | WG453747 |
| Sodium                      | mg/l  | 19.8         | 8.30     | 11.3 | 102.  | 75-125 | L434996-07 | WG453747 |
| Zinc                        | mg/l  | 1.10         | 0.00910  | 1.13 | 96.5  | 75-125 | L434996-07 | WG453747 |
| Benzene                     | mg/l  | 0.0493       | 0        | .05  | 98.7  | 35-147 | L434726-02 | WG453759 |
| Ethylbenzene                | mg/l  | 0.0525       | 0.000540 | .05  | 104.  | 39-141 | L434726-02 | WG453759 |
| Toluene                     | mg/l  | 0.0526       | 0        | .05  | 105.  | 35-148 | L434726-02 | WG453759 |
| Total Xylene                | mg/l  | 0.161        | 0        | .15  | 107.  | 33-151 | L434726-02 | WG453759 |
| a,a,a-Trifluorotoluene(FID) |       |              |          |      | 100.6 | 62-128 |            | WG453759 |
| a,a,a-Trifluorotoluene(PID) |       |              |          |      | 102.7 | 55-122 |            | WG453759 |
| TPH (GC/FID) Low Fraction   | mg/l  | 5.45         | 0        | 5.5  | 99.1  | 55-109 | L434726-02 | WG453759 |
| a,a,a-Trifluorotoluene(FID) |       |              |          |      | 95.73 | 62-128 |            | WG453759 |
| a,a,a-Trifluorotoluene(PID) |       |              |          |      | 106.3 | 55-122 |            | WG453759 |

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| Analyte                         | Units | MS Res   | Matrix Spike |       | % Rec | Limit  | Ref Samp   | Batch    |
|---------------------------------|-------|----------|--------------|-------|-------|--------|------------|----------|
|                                 |       |          | Ref Res      | TV    |       |        |            |          |
| Arsenic                         | mg/l  | 0.0625   | 0.00530      | .0567 | 101.  | 75-125 | L435004-04 | WG453762 |
| Chloride                        | mg/l  | 171.     | 130.         | 50    | 82.0  | 80-120 | L435264-01 | WG453870 |
| Chloride                        | mg/l  | 55.3     | 4.50         | 50    | 102.  | 80-120 | L434825-03 | WG453871 |
| Fluoride                        | mg/l  | 5.13     | 0            | 5     | 103.  | 80-120 | L434825-03 | WG453871 |
| Sulfate                         | mg/l  | 50.0     | 0            | 50    | 100.  | 80-120 | L434825-03 | WG453871 |
| Barium                          | mg/l  | 1.16     | 0.0300       | 1.13  | 100.  | 75-125 | L435328-01 | WG453976 |
| Cadmium                         | mg/l  | 1.15     | 0.00190      | 1.13  | 102.  | 75-125 | L435328-01 | WG453976 |
| Calcium                         | mg/l  | 98.0     | 86.9         | 11.3  | 98.2  | 75-125 | L435328-01 | WG453976 |
| Chromium                        | mg/l  | 1.19     | 0            | 1.13  | 105.  | 75-125 | L435328-01 | WG453976 |
| Copper                          | mg/l  | 1.17     | 0.000400     | 1.13  | 104.  | 75-125 | L435328-01 | WG453976 |
| Iron                            | mg/l  | 1.31     | 0.345        | 1.13  | 85.4  | 75-125 | L435328-01 | WG453976 |
| Lead                            | mg/l  | 1.17     | 0.0260       | 1.13  | 101.  | 75-125 | L435328-01 | WG453976 |
| Magnesium                       | mg/l  | 15.3     | 4.10         | 11.3  | 99.1  | 75-125 | L435328-01 | WG453976 |
| Manganese                       | mg/l  | 1.13     | 0.0182       | 1.13  | 98.4  | 75-125 | L435328-01 | WG453976 |
| Selenium                        | mg/l  | 1.09     | 0            | 1.13  | 96.5  | 75-125 | L435328-01 | WG453976 |
| Silver                          | mg/l  | 0.704    | 0.00540      | 1.13  | 61.8* | 75-125 | L435328-01 | WG453976 |
| Sodium                          | mg/l  | 56.1     | 42.5         | 11.3  | 120.  | 75-125 | L435328-01 | WG453976 |
| Zinc                            | mg/l  | 1.14     | 0.0593       | 1.13  | 95.6  | 75-125 | L435328-01 | WG453976 |
| Benzene                         | mg/l  | 0.0495   | 0            | .05   | 99.0  | 35-147 | L434985-02 | WG453993 |
| Ethylbenzene                    | mg/l  | 0.0500   | 0            | .05   | 100.  | 39-141 | L434985-02 | WG453993 |
| Toluene                         | mg/l  | 0.0491   | 0            | .05   | 98.2  | 35-148 | L434985-02 | WG453993 |
| Total Xylene                    | mg/l  | 0.153    | 0            | .15   | 102.  | 33-151 | L434985-02 | WG453993 |
| a,a,a-Trifluorotoluene(PID)     |       |          |              |       | 99.26 | 55-122 |            | WG453993 |
| TPH (GC/FID) Low Fraction       | mg/l  | 4.43     | 0            | 5.5   | 80.6  | 55-109 | L434985-02 | WG453993 |
| a,a,a-Trifluorotoluene(FID)     |       |          |              |       | 90.20 | 62-128 |            | WG453993 |
| Arsenic                         | mg/l  | 0.0567   | 0.000970     | .0567 | 98.3  | 75-125 | L435351-01 | WG453992 |
| Alkalinity                      | mg/l  | 493.     | 380.         | 200   | 56.5* | 80-120 | L434762-01 | WG453999 |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 378.     | 250.         | 150   | 85.3  | 80-120 | L435237-01 | WG454087 |
| Nitrate-Nitrite                 | mg/l  | 3.57     | 0            | 5     | 71.4* | 80-120 | L435257-03 | WG454090 |
| Phosphorus, Total               | mg/l  | 8.04     | 5.60         | 2.5   | 97.6  | 80-120 | L434969-01 | WG454040 |
| 1-Methylnaphthalene             | mg/l  | 0.000677 | 0            | .001  | 67.6  | 30-123 | L435099-14 | WG453942 |
| 2-Chloronaphthalene             | mg/l  | 0.000918 | 0.0000310    | .001  | 88.7  | 34-120 | L435099-14 | WG453942 |
| 2-Methylnaphthalene             | mg/l  | 0.000877 | 0.0000180    | .001  | 85.9  | 29-116 | L435099-14 | WG453942 |
| Acenaphthene                    | mg/l  | 0.000660 | 0            | .001  | 66.0  | 40-113 | L435099-14 | WG453942 |
| Acenaphthylene                  | mg/l  | 0.000771 | 0.0000570    | .001  | 71.4  | 36-115 | L435099-14 | WG453942 |
| Anthracene                      | mg/l  | 0.000540 | 0            | .001  | 54.0  | 45-118 | L435099-14 | WG453942 |
| Benzo(a)anthracene              | mg/l  | 0.000699 | 0            | .001  | 69.9  | 36-129 | L435099-14 | WG453942 |
| Benzo(a)pyrene                  | mg/l  | 0.000715 | 0            | .001  | 71.5  | 44-124 | L435099-14 | WG453942 |
| Benzo(b)fluoranthene            | mg/l  | 0.000710 | 0            | .001  | 71.0  | 43-126 | L435099-14 | WG453942 |

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| Analyte                | Units | MS Res   | Matrix Spike |       | % Rec | Limit  | Ref Samp   | Batch    |
|------------------------|-------|----------|--------------|-------|-------|--------|------------|----------|
|                        |       |          | Ref Res      | TV    |       |        |            |          |
| Benzo(g,h,i)perylene   | mg/l  | 0.000670 | 0            | .001  | 67.0  | 39-128 | L435099-14 | WG453942 |
| Benzo(k)fluoranthene   | mg/l  | 0.000668 | 0            | .001  | 66.8  | 44-127 | L435099-14 | WG453942 |
| Chrysene               | mg/l  | 0.000709 | 0            | .001  | 70.9  | 36-137 | L435099-14 | WG453942 |
| Dibenz(a,h)anthracene  | mg/l  | 0.000642 | 0            | .001  | 64.2  | 39-129 | L435099-14 | WG453942 |
| Fluoranthene           | mg/l  | 0.000712 | 0.0000200    | .001  | 69.2  | 45-123 | L435099-14 | WG453942 |
| Fluorene               | mg/l  | 0.000840 | 0.000140     | .001  | 70.0  | 41-118 | L435099-14 | WG453942 |
| Indeno(1,2,3-cd)pyrene | mg/l  | 0.000643 | 0            | .001  | 64.3  | 39-129 | L435099-14 | WG453942 |
| Naphthalene            | mg/l  | 0.000734 | 0.0000440    | .001  | 69.0  | 26-111 | L435099-14 | WG453942 |
| Phenanthrene           | mg/l  | 0.000813 | 0            | .001  | 81.3  | 41-116 | L435099-14 | WG453942 |
| Pyrene                 | mg/l  | 0.000688 | 0            | .001  | 68.8  | 32-136 | L435099-14 | WG453942 |
| 2-Fluorobiphenyl       |       |          |              |       | 63.29 | 26-122 |            | WG453942 |
| Nitrobenzene-d5        |       |          |              |       | 74.97 | 12-120 |            | WG453942 |
| p-Terphenyl-d14        |       |          |              |       | 79.23 | 34-149 |            | WG453942 |
| Ammonia Nitrogen       | mg/l  | 5.64     | 0            | 5     | 113.* | 90-110 | L434848-01 | WG454272 |
| Arsenic                | mg/l  | 0.0496   | 0            | .0567 | 87.5  | 75-125 | L435201-06 | WG454031 |

| Analyte                     | Units | MSD    | Matrix Spike Duplicate |       | Limit  | RPD   | Limit | Ref Samp   | Batch    |
|-----------------------------|-------|--------|------------------------|-------|--------|-------|-------|------------|----------|
|                             |       |        | Ref                    | %Rec  |        |       |       |            |          |
| Barium                      | mg/l  | 1.09   | 1.13                   | 93.6  | 75-125 | 3.60  | 20    | L434996-07 | WG453747 |
| Cadmium                     | mg/l  | 1.05   | 1.10                   | 92.8  | 75-125 | 4.65  | 20    | L434996-07 | WG453747 |
| Calcium                     | mg/l  | 12.1   | 12.2                   | 95.2  | 75-125 | 0.823 | 20    | L434996-07 | WG453747 |
| Chromium                    | mg/l  | 1.06   | 1.10                   | 93.8  | 75-125 | 3.70  | 20    | L434996-07 | WG453747 |
| Copper                      | mg/l  | 1.09   | 1.12                   | 96.2  | 75-125 | 2.71  | 20    | L434996-07 | WG453747 |
| Iron                        | mg/l  | 1.07   | 1.12                   | 92.2  | 75-125 | 4.57  | 20    | L434996-07 | WG453747 |
| Lead                        | mg/l  | 1.08   | 1.12                   | 95.6  | 75-125 | 3.64  | 20    | L434996-07 | WG453747 |
| Magnesium                   | mg/l  | 12.4   | 12.9                   | 96.7  | 75-125 | 3.95  | 20    | L434996-07 | WG453747 |
| Manganese                   | mg/l  | 1.11   | 1.16                   | 91.4  | 75-125 | 4.41  | 20    | L434996-07 | WG453747 |
| Selenium                    | mg/l  | 1.01   | 1.05                   | 88.8  | 75-125 | 3.88  | 20    | L434996-07 | WG453747 |
| Silver                      | mg/l  | 0.217  | 0.200                  | 19.2* | 75-125 | 8.15  | 20    | L434996-07 | WG453747 |
| Sodium                      | mg/l  | 18.8   | 19.8                   | 92.9  | 75-125 | 5.18  | 20    | L434996-07 | WG453747 |
| Zinc                        | mg/l  | 1.06   | 1.10                   | 93.0  | 75-125 | 3.70  | 20    | L434996-07 | WG453747 |
| Benzene                     | mg/l  | 0.0535 | 0.0493                 | 107.  | 35-147 | 8.03  | 20    | L434726-02 | WG453759 |
| Ethylbenzene                | mg/l  | 0.0558 | 0.0525                 | 110.  | 39-141 | 5.94  | 20    | L434726-02 | WG453759 |
| Toluene                     | mg/l  | 0.0611 | 0.0526                 | 122.  | 35-148 | 14.8  | 20    | L434726-02 | WG453759 |
| Total Xylene                | mg/l  | 0.173  | 0.161                  | 115.  | 33-151 | 7.16  | 20    | L434726-02 | WG453759 |
| a,a,a-Trifluorotoluene(FID) |       |        |                        | 101.5 | 62-128 |       |       |            | WG453759 |
| a,a,a-Trifluorotoluene(PID) |       |        |                        | 103.6 | 55-122 |       |       |            | WG453759 |
| TPH (GC/FID) Low Fraction   | mg/l  | 5.44   | 5.45                   | 98.9  | 55-109 | 0.247 | 20    | L434726-02 | WG453759 |
| a,a,a-Trifluorotoluene(FID) |       |        |                        | 97.20 | 62-128 |       |       |            | WG453759 |
| a,a,a-Trifluorotoluene(PID) |       |        |                        | 105.8 | 55-122 |       |       |            | WG453759 |
| Arsenic                     | mg/l  | 0.0628 | 0.0625                 | 101.  | 75-125 | 0.479 | 20    | L435004-04 | WG453762 |
| Chloride                    | mg/l  | 170.   | 171.                   | 80.0  | 80-120 | 0.587 | 20    | L435264-01 | WG453870 |
| Chloride                    | mg/l  | 55.9   | 55.3                   | 103.  | 80-120 | 1.08  | 20    | L434825-03 | WG453871 |
| Fluoride                    | mg/l  | 5.20   | 5.13                   | 104.  | 80-120 | 1.36  | 20    | L434825-03 | WG453871 |
| Sulfate                     | mg/l  | 50.8   | 50.0                   | 102.  | 80-120 | 1.59  | 20    | L434825-03 | WG453871 |

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

Buys and Associates, Inc - GJ, CO  
Derek Veazey  
838 Grand Avenue, Suite 100

Grand Junction, CO 81501

Quality Assurance Report  
Level II

L434985

12065 Lebanon Rd.  
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(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

December 11, 2009

| Analyte                         | Units | MSD      | Matrix Spike Duplicate |       | Limit  | RPD    | Limit | Ref Samp   | Batch    |
|---------------------------------|-------|----------|------------------------|-------|--------|--------|-------|------------|----------|
|                                 |       |          | Ref                    | %Rec  |        |        |       |            |          |
| Barium                          | mg/l  | 1.13     | 1.16                   | 97.3  | 75-125 | 2.62   | 20    | L435328-01 | WG453976 |
| Cadmium                         | mg/l  | 1.12     | 1.15                   | 98.9  | 75-125 | 2.64   | 20    | L435328-01 | WG453976 |
| Calcium                         | mg/l  | 97.8     | 98.0                   | 96.5  | 75-125 | 0.204  | 20    | L435328-01 | WG453976 |
| Chromium                        | mg/l  | 1.17     | 1.19                   | 104.  | 75-125 | 1.69   | 20    | L435328-01 | WG453976 |
| Copper                          | mg/l  | 1.14     | 1.17                   | 101.  | 75-125 | 2.60   | 20    | L435328-01 | WG453976 |
| Iron                            | mg/l  | 1.28     | 1.31                   | 82.7  | 75-125 | 2.32   | 20    | L435328-01 | WG453976 |
| Lead                            | mg/l  | 1.14     | 1.17                   | 98.6  | 75-125 | 2.60   | 20    | L435328-01 | WG453976 |
| Magnesium                       | mg/l  | 15.1     | 15.3                   | 97.3  | 75-125 | 1.32   | 20    | L435328-01 | WG453976 |
| Manganese                       | mg/l  | 1.11     | 1.13                   | 96.6  | 75-125 | 1.79   | 20    | L435328-01 | WG453976 |
| Selenium                        | mg/l  | 1.07     | 1.09                   | 94.7  | 75-125 | 1.85   | 20    | L435328-01 | WG453976 |
| Silver                          | mg/l  | 0.871    | 0.704                  | 76.6  | 75-125 | 21.2*  | 20    | L435328-01 | WG453976 |
| Sodium                          | mg/l  | 54.9     | 56.1                   | 110.  | 75-125 | 2.16   | 20    | L435328-01 | WG453976 |
| Zinc                            | mg/l  | 1.12     | 1.14                   | 93.9  | 75-125 | 1.77   | 20    | L435328-01 | WG453976 |
|                                 |       |          |                        |       |        |        |       |            |          |
| Benzene                         | mg/l  | 0.0498   | 0.0495                 | 99.6  | 35-147 | 0.511  | 20    | L434985-02 | WG453993 |
| Ethylbenzene                    | mg/l  | 0.0501   | 0.0500                 | 100.  | 39-141 | 0.0979 | 20    | L434985-02 | WG453993 |
| Toluene                         | mg/l  | 0.0489   | 0.0491                 | 97.9  | 35-148 | 0.350  | 20    | L434985-02 | WG453993 |
| Total Xylene                    | mg/l  | 0.152    | 0.153                  | 101.  | 33-151 | 0.508  | 20    | L434985-02 | WG453993 |
| a,a,a-Trifluorotoluene(PID)     |       |          |                        | 99.44 | 55-122 |        |       |            | WG453993 |
| TPH (GC/FID) Low Fraction       | mg/l  | 4.77     | 4.43                   | 86.7  | 55-109 | 7.26   | 20    | L434985-02 | WG453993 |
| a,a,a-Trifluorotoluene(FID)     |       |          |                        | 93.55 | 62-128 |        |       |            | WG453993 |
|                                 |       |          |                        |       |        |        |       |            |          |
| Arsenic                         | mg/l  | 0.0557   | 0.0567                 | 96.5  | 75-125 | 1.78   | 20    | L435351-01 | WG453992 |
|                                 |       |          |                        |       |        |        |       |            |          |
| Alkalinity                      | mg/l  | 495.     | 493.                   | 57.5* | 80-120 | 0.405  | 20    | L434762-01 | WG453999 |
|                                 |       |          |                        |       |        |        |       |            |          |
| Hardness, Total (mg/L as CaCO3) | mg/l  | 375.     | 378.                   | 83.3  | 80-120 | 0.797  | 20    | L435237-01 | WG454087 |
|                                 |       |          |                        |       |        |        |       |            |          |
| Nitrate-Nitrite                 | mg/l  | 3.47     | 3.57                   | 69.4* | 80-120 | 2.84   | 20    | L435257-03 | WG454090 |
|                                 |       |          |                        |       |        |        |       |            |          |
| Phosphorus, Total               | mg/l  | 7.72     | 8.04                   | 84.8  | 80-120 | 4.06   | 20    | L434969-01 | WG454040 |
|                                 |       |          |                        |       |        |        |       |            |          |
| 1-Methylnaphthalene             | mg/l  | 0.000648 | 0.000677               | 64.8  | 30-123 | 4.32   | 32    | L435099-14 | WG453942 |
| 2-Chloronaphthalene             | mg/l  | 0.000924 | 0.000918               | 89.3  | 34-120 | 0.632  | 30    | L435099-14 | WG453942 |
| 2-Methylnaphthalene             | mg/l  | 0.000889 | 0.000877               | 87.0  | 29-116 | 1.31   | 31    | L435099-14 | WG453942 |
| Acenaphthene                    | mg/l  | 0.000685 | 0.000660               | 68.5  | 40-113 | 3.79   | 25    | L435099-14 | WG453942 |
| Acenaphthylene                  | mg/l  | 0.000793 | 0.000771               | 73.6  | 36-115 | 2.71   | 25    | L435099-14 | WG453942 |
| Anthracene                      | mg/l  | 0.000604 | 0.000540               | 60.4  | 45-118 | 11.2   | 26    | L435099-14 | WG453942 |
| Benzo(a)anthracene              | mg/l  | 0.000726 | 0.000699               | 72.6  | 36-129 | 3.75   | 26    | L435099-14 | WG453942 |
| Benzo(a)pyrene                  | mg/l  | 0.000684 | 0.000715               | 68.4  | 44-124 | 4.37   | 21    | L435099-14 | WG453942 |
| Benzo(b)fluoranthene            | mg/l  | 0.000691 | 0.000710               | 69.1  | 43-126 | 2.73   | 38    | L435099-14 | WG453942 |
| Benzo(g,h,i)perylene            | mg/l  | 0.000582 | 0.000670               | 58.2  | 39-128 | 14.1   | 20    | L435099-14 | WG453942 |
| Benzo(k)fluoranthene            | mg/l  | 0.000618 | 0.000668               | 61.8  | 44-127 | 7.73   | 39    | L435099-14 | WG453942 |
| Chrysene                        | mg/l  | 0.000660 | 0.000709               | 66.0  | 36-137 | 7.19   | 22    | L435099-14 | WG453942 |
| Dibenz(a,h)anthracene           | mg/l  | 0.000550 | 0.000642               | 55.0  | 39-129 | 15.5   | 20    | L435099-14 | WG453942 |
| Fluoranthene                    | mg/l  | 0.000764 | 0.000712               | 74.4  | 45-123 | 7.01   | 25    | L435099-14 | WG453942 |
| Fluorene                        | mg/l  | 0.000906 | 0.000840               | 76.6  | 41-118 | 7.58   | 26    | L435099-14 | WG453942 |
| Indeno(1,2,3-cd)pyrene          | mg/l  | 0.000570 | 0.000643               | 57.0  | 39-129 | 12.0   | 20    | L435099-14 | WG453942 |
| Naphthalene                     | mg/l  | 0.000777 | 0.000734               | 73.3  | 26-111 | 5.62   | 32    | L435099-14 | WG453942 |
| Phenanthrene                    | mg/l  | 0.000817 | 0.000813               | 81.7  | 41-116 | 0.493  | 25    | L435099-14 | WG453942 |
| Pyrene                          | mg/l  | 0.000639 | 0.000688               | 63.9  | 32-136 | 7.36   | 22    | L435099-14 | WG453942 |

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December 11, 2009

| Analyte          | Units | MSD    | Matrix Spike Duplicate |       | Limit  | RPD  | Limit | Ref        | Samp | Batch    |
|------------------|-------|--------|------------------------|-------|--------|------|-------|------------|------|----------|
|                  |       |        | Ref                    | %Rec  |        |      |       |            |      |          |
| 2-Fluorobiphenyl |       |        |                        | 65.67 | 26-122 |      |       |            |      |          |
| Nitrobenzene-d5  |       |        |                        | 75.60 | 12-120 |      |       |            |      |          |
| p-Terphenyl-d14  |       |        |                        | 77.82 | 34-149 |      |       |            |      |          |
| Ammonia Nitrogen | mg/l  | 5.44   | 5.64                   | 109.  | 90-110 | 3.61 | 20    | L434848-01 |      | WG454272 |
| Arsenic          | mg/l  | 0.0483 | 0.0496                 | 85.2  | 75-125 | 2.66 | 20    | L435201-06 |      | WG454031 |

Batch number /Run number / Sample number cross reference

WG453619: R1023228: L434985-01  
WG453854: R1023348: L434985-02 03  
WG453747: R1023414: L434985-01  
WG453759: R1024128: L434985-01  
WG453762: R1024429: L434985-01  
WG453870: R1025368: L434985-01  
WG453871: R1025728: L434985-02 03  
WG453976: R1026609: L434985-02 03  
WG453993: R1026949: L434985-02 03  
WG453935: R1027288: L434985-01 02 03  
WG453992: R1028108: L434985-02  
WG453999: R1028748: L434985-01 02 03  
WG454087: R1029308: L434985-01 02 03  
WG454090: R1029688: L434985-01 02 03  
WG454040: R1029728: L434985-01 02 03  
WG453942: R1030488: L434985-01 02 03  
WG454272: R1031968: L434985-01 02 03  
WG454216: R1033268: L434985-02 03  
WG454031: R1033288: L434985-03  
WG454224: R1033368: L434985-01  
WG454211: R1034128: L434985-03  
WG454213: R1034468: L434985-01 02

\* \* Calculations are performed prior to rounding of reported values .  
\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

JOHN C. KEPHART & CO.  
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

— ANALYTICAL REPORT —

Received from:

Buys and Associates, Dan Soucy  
300 East Mineral Ave., Suite #10  
Littleton, CO 80122-2655  
FAX 303-781-1167

Customer No. \_\_\_\_\_ Laboratory No. 9719 Sample water

Date Received 12/3/09 Date Reported 12/7/09

Lab Number: 9719  
Client Sample ID: 001

E. Coli 0 colonies/100ml sample

Lab Number: 9720  
Client Sample ID: 003

E. Coli 1 colony/100ml sample

Lab Number: 9721  
Client Sample ID: 004

E. Coli 0 colonies/100ml sample

Lab Director: B. Bauer

## **MAY 2009 LAB RESULTS**



ENVIRONMENTAL  
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Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100

Grand Junction, CO 81506

Report Summary

Monday June 08, 2009

Report Number: L404772

Samples Received: 05/29/09

Client Project: 499-03

Description: Tepee Park Ranch

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

T. Alan Harvill, ESC Representative

*Laboratory Certification Numbers*

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided  
in laboratory standard operating procedures: 060302, 060303, and 060304.

1 Samples Reported: 06/08/09 14:41 Printed: 06/08/09 14:42

Page 1 of 11



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Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Tepee Park Ranch

Sample ID : 001

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 11:15

ESC Sample # : L404772-01

Site ID :

Project # : 499-03

| Parameter                   | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                    | 1.9    | 1.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Fluoride                    | BDL    | 0.10       | mg/l   | 9056      | 06/02/09 | 1    |
| Sulfate                     | 7.2    | 5.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Alkalinity                  | 73.    | 10.        | mg/l   | 2320B     | 06/03/09 | 1    |
| Hardness                    | 64.    | 30.        | mg/l   | 130.1     | 06/03/09 | 1    |
| Ammonia Nitrogen            | BDL    | 0.10       | mg/l   | 350.1     | 06/02/09 | 1    |
| Nitrate-Nitrite             | 0.11   | 0.10       | mg/l   | 353.2     | 06/02/09 | 1    |
| Phosphorus, Total           | BDL    | 0.10       | mg/l   | 365.1     | 06/03/09 | 1    |
| Turbidity                   | 4.3    | 0.10       | NTU    | SM2130B   | 05/30/09 | 1    |
| Dissolved Solids            | 100    | 10.        | mg/l   | 2540C     | 06/03/09 | 1    |
| Suspended Solids            | 6.4    | 1.0        | mg/l   | 2540D     | 05/30/09 | 1    |
| Arsenic                     | 0.0060 | 0.0010     | mg/l   | 6020      | 06/05/09 | 1    |
| Barium                      | 0.027  | 0.0050     | mg/l   | 6010B     | 06/04/09 | 1    |
| Cadmium                     | BDL    | 0.0050     | mg/l   | 6010B     | 06/04/09 | 1    |
| Calcium                     | 17.    | 0.50       | mg/l   | 6010B     | 06/04/09 | 1    |
| Chromium                    | BDL    | 0.010      | mg/l   | 6010B     | 06/04/09 | 1    |
| Copper                      | BDL    | 0.020      | mg/l   | 6010B     | 06/04/09 | 1    |
| Iron                        | 0.29   | 0.10       | mg/l   | 6010B     | 06/04/09 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l   | 6010B     | 06/04/09 | 1    |
| Magnesium                   | 2.5    | 0.10       | mg/l   | 6010B     | 06/04/09 | 1    |
| Manganese                   | BDL    | 0.010      | mg/l   | 6010B     | 06/04/09 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l   | 6010B     | 06/04/09 | 1    |
| Silver                      | BDL    | 0.010      | mg/l   | 6010B     | 06/04/09 | 1    |
| Sodium                      | 6.5    | 0.50       | mg/l   | 6010B     | 06/04/09 | 1    |
| Zinc                        | BDL    | 0.030      | mg/l   | 6010B     | 06/04/09 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l   | GRO       | 06/02/09 | 1    |
| Surrogate Recovery-%        |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 94.4   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |
| a,a,a-Trifluorotoluene(PID) | 102.   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Teepee Park Ranch

Sample ID : 001

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 11:15

ESC Sample # : L404772-01

Site ID :

Project # : 499-03

| Parameter                            | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|--------------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction           | BDL    | 0.10       | mg/l   | 3510/DRO  | 06/01/09 | 1    |
| Surrogate recovery(%)<br>o-Terphenyl | 98.1   |            | % Rec. | 3510/DRO  | 06/01/09 | 1    |
| Polynuclear Aromatic Hydrocarbons    |        |            |        |           |          |      |
| Anthracene                           | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthylene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)anthracene                   | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)pyrene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(b)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(g,h,i)perylene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(k)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Chrysene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Dibenz(a,h)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluoranthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluorene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Indeno(1,2,3-cd)pyrene               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Naphthalene                          | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Phenanthrene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Pyrene                               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 1-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Chloronaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Surrogate Recovery                   |        |            |        |           |          |      |
| Nitrobenzene-d5                      | 75.4   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| 2-Fluorobiphenyl                     | 85.1   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| p-Terphenyl-d14                      | 90.1   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 06/08/09 14:41 Printed: 06/08/09 14:43



# ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
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Tax I.D. 62-0814289

Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Teepee Park Ranch

Sample ID : 002

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 12:20

ESC Sample # : L404790-01

Site ID :

Project # : 499-03

| Parameter                   | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                    | BDL    | 1.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Fluoride                    | BDL    | 0.10       | mg/l   | 9056      | 06/02/09 | 1    |
| Sulfate                     | BDL    | 5.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Alkalinity                  | 74.    | 10.        | mg/l   | 2320B     | 06/03/09 | 1    |
| Hardness                    | 59.    | 30.        | mg/l   | 130.1     | 06/03/09 | 1    |
| Ammonia Nitrogen            | BDL    | 0.10       | mg/l   | 350.1     | 06/02/09 | 1    |
| Nitrate-Nitrite             | 0.18   | 0.10       | mg/l   | 353.2     | 06/02/09 | 1    |
| Phosphorus, Total           | BDL    | 0.10       | mg/l   | 365.1     | 06/03/09 | 1    |
| Turbidity                   | 9.0    | 0.10       | NTU    | SM2130B   | 05/30/09 | 1    |
| Dissolved Solids            | 100    | 10.        | mg/l   | 2540C     | 06/03/09 | 1    |
| Suspended Solids            | 12.    | 1.0        | mg/l   | 2540D     | 05/30/09 | 1    |
| Arsenic                     | 0.016  | 0.0010     | mg/l   | 6020      | 06/05/09 | 1    |
| Barium                      | 0.077  | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Cadmium                     | BDL    | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Calcium                     | 53.    | 0.50       | mg/l   | 6010B     | 06/05/09 | 1    |
| Chromium                    | BDL    | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Copper                      | BDL    | 0.020      | mg/l   | 6010B     | 06/05/09 | 1    |
| Iron                        | 0.22   | 0.10       | mg/l   | 6010B     | 06/05/09 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Magnesium                   | 27.    | 0.10       | mg/l   | 6010B     | 06/05/09 | 1    |
| Manganese                   | BDL    | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l   | 6010B     | 06/05/09 | 1    |
| Silver                      | BDL    | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Sodium                      | 34.    | 0.50       | mg/l   | 6010B     | 06/05/09 | 1    |
| Zinc                        | BDL    | 0.030      | mg/l   | 6010B     | 06/05/09 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l   | GRO       | 06/02/09 | 1    |
| Surrogate Recovery-%        |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 94.7   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |
| a,a,a-Trifluorotoluene(PID) | 101.   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)





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Tax I.D. 62-0814289

Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Tepee Park Ranch

Sample ID : 002

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 12:20

ESC Sample # : L404790-01

Site ID :

Project # : 499-03

| Parameter                            | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|--------------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction           | BDL    | 0.10       | mg/l   | 3510/DRO  | 06/01/09 | 1    |
| Surrogate recovery(%)<br>o-Terphenyl | 114.   |            | % Rec. | 3510/DRO  | 06/01/09 | 1    |
| Polynuclear Aromatic Hydrocarbons    |        |            |        |           |          |      |
| Anthracene                           | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthylene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)anthracene                   | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)pyrene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(b)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(g,h,i)perylene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(k)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Chrysene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Dibenz(a,h)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluoranthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluorene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Indeno(1,2,3-cd)pyrene               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Naphthalene                          | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Phenanthrene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Pyrene                               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 1-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Chloronaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Surrogate Recovery                   |        |            |        |           |          |      |
| Nitrobenzene-d5                      | 50.7   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| 2-Fluorobiphenyl                     | 66.1   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| p-Terphenyl-d14                      | 79.7   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Teepee Park Ranch

Sample ID : 003

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 13:00

ESC Sample # : L404767-01

Site ID :

Project # : 499-03

| Parameter                   | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                    | 2.5    | 1.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Fluoride                    | BDL    | 0.10       | mg/l   | 9056      | 06/02/09 | 1    |
| Sulfate                     | BDL    | 5.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Alkalinity                  | 79.    | 10.        | mg/l   | 2320B     | 06/03/09 | 1    |
| Hardness                    | 69.    | 30.        | mg/l   | 130.1     | 06/03/09 | 1    |
| Ammonia Nitrogen            | BDL    | 0.10       | mg/l   | 350.1     | 06/05/09 | 1    |
| Nitrate-Nitrite             | 0.17   | 0.10       | mg/l   | 353.2     | 06/02/09 | 1    |
| Phosphorus, Total           | 0.17   | 0.10       | mg/l   | 365.1     | 06/01/09 | 1    |
| Turbidity                   | 10.    | 0.10       | NTU    | SM2130B   | 05/30/09 | 1    |
| Dissolved Solids            | 78.    | 10.        | mg/l   | 2540C     | 06/03/09 | 1    |
| Suspended Solids            | 16.    | 1.0        | mg/l   | 2540D     | 05/30/09 | 1    |
| Arsenic                     | 0.015  | 0.0010     | mg/l   | 6020      | 06/05/09 | 1    |
| Barium                      | 0.080  | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Cadmium                     | BDL    | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Calcium                     | 17.    | 0.50       | mg/l   | 6010B     | 06/05/09 | 1    |
| Chromium                    | BDL    | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Copper                      | BDL    | 0.020      | mg/l   | 6010B     | 06/05/09 | 1    |
| Iron                        | 0.73   | 0.10       | mg/l   | 6010B     | 06/05/09 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Magnesium                   | 3.0    | 0.10       | mg/l   | 6010B     | 06/05/09 | 1    |
| Manganese                   | 0.016  | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l   | 6010B     | 06/05/09 | 1    |
| Silver                      | BDL    | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Sodium                      | 21.    | 0.50       | mg/l   | 6010B     | 06/05/09 | 1    |
| Zinc                        | 0.034  | 0.030      | mg/l   | 6010B     | 06/05/09 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l   | GRO       | 06/02/09 | 1    |
| Surrogate Recovery-%        |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 94.9   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |
| a,a,a-Trifluorotoluene(PID) | 101.   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



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Tax I.D. 62-0814289

Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Teepee Park Ranch

Sample ID : 003

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 13:00

ESC Sample # : L404767-01

Site ID :

Project # : 499-03

| Parameter                            | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|--------------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction           | BDL    | 0.10       | mg/l   | 3510/DRO  | 06/02/09 | 1    |
| Surrogate recovery(%)<br>o-Terphenyl | 104.   |            | % Rec. | 3510/DRO  | 06/02/09 | 1    |
| Polynuclear Aromatic Hydrocarbons    |        |            |        |           |          |      |
| Anthracene                           | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthylene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)anthracene                   | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)pyrene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(b)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(g,h,i)perylene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(k)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Chrysene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Dibenz(a,h)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluoranthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluorene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Indeno(1,2,3-cd)pyrene               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Naphthalene                          | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Phenanthrene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Pyrene                               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 1-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Chloronaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Surrogate Recovery                   |        |            |        |           |          |      |
| Nitrobenzene-d5                      | 64.3   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| 2-Fluorobiphenyl                     | 78.4   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| p-Terphenyl-d14                      | 91.6   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Teepee Park Ranch

Sample ID : 004

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 13:30

ESC Sample # : L404782-01

Site ID :

Project # : 499-03

| Parameter                   | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|-----------------------------|--------|------------|--------|-----------|----------|------|
| Chloride                    | 2.0    | 1.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Fluoride                    | BDL    | 0.10       | mg/l   | 9056      | 06/02/09 | 1    |
| Sulfate                     | 7.3    | 5.0        | mg/l   | 9056      | 06/02/09 | 1    |
| Alkalinity                  | 89.    | 10.        | mg/l   | 2320B     | 06/03/09 | 1    |
| Hardness                    | 85.    | 30.        | mg/l   | 130.1     | 06/03/09 | 1    |
| Ammonia Nitrogen            | BDL    | 0.10       | mg/l   | 350.1     | 06/02/09 | 1    |
| Nitrate-Nitrite             | 0.13   | 0.10       | mg/l   | 353.2     | 06/02/09 | 1    |
| Phosphorus, Total           | BDL    | 0.10       | mg/l   | 365.1     | 06/03/09 | 1    |
| Turbidity                   | 7.9    | 0.10       | NTU    | SM2130B   | 05/30/09 | 1    |
| Dissolved Solids            | 100    | 10.        | mg/l   | 2540C     | 06/03/09 | 1    |
| Suspended Solids            | 14.    | 1.0        | mg/l   | 2540D     | 05/30/09 | 1    |
| Arsenic                     | 0.0044 | 0.0010     | mg/l   | 6020      | 06/05/09 | 1    |
| Barium                      | 0.039  | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Cadmium                     | BDL    | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Calcium                     | 21.    | 0.50       | mg/l   | 6010B     | 06/05/09 | 1    |
| Chromium                    | BDL    | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Copper                      | BDL    | 0.020      | mg/l   | 6010B     | 06/05/09 | 1    |
| Iron                        | 0.48   | 0.10       | mg/l   | 6010B     | 06/05/09 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l   | 6010B     | 06/05/09 | 1    |
| Magnesium                   | 3.8    | 0.10       | mg/l   | 6010B     | 06/05/09 | 1    |
| Manganese                   | 0.011  | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l   | 6010B     | 06/05/09 | 1    |
| Silver                      | BDL    | 0.010      | mg/l   | 6010B     | 06/05/09 | 1    |
| Sodium                      | 11.    | 0.50       | mg/l   | 6010B     | 06/05/09 | 1    |
| Zinc                        | BDL    | 0.030      | mg/l   | 6010B     | 06/05/09 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l   | 8021/8015 | 06/02/09 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l   | 8021/8015 | 06/02/09 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l   | GRO       | 06/02/09 | 1    |
| Surrogate Recovery-%        |        |            |        |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 94.3   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |
| a,a,a-Trifluorotoluene(PID) | 101.   |            | % Rec. | 8021/8015 | 06/02/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)



# ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

June 08, 2009

Date Received : May 29, 2009  
Description : Teepee Park Ranch

Sample ID : 004

Collected By : Veazey/Soucy  
Collection Date : 05/28/09 13:30

ESC Sample # : L404782-01

Site ID :

Project # : 499-03

| Parameter                            | Result | Det. Limit | Units  | Method    | Date     | Dil. |
|--------------------------------------|--------|------------|--------|-----------|----------|------|
| TPH (GC/FID) High Fraction           | BDL    | 0.10       | mg/l   | 3510/DRO  | 06/02/09 | 1    |
| Surrogate recovery(%)<br>o-Terphenyl | 96.0   |            | % Rec. | 3510/DRO  | 06/02/09 | 1    |
| Polynuclear Aromatic Hydrocarbons    |        |            |        |           |          |      |
| Anthracene                           | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Acenaphthylene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)anthracene                   | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(a)pyrene                       | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(b)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(g,h,i)perylene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Benzo(k)fluoranthene                 | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Chrysene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Dibenz(a,h)anthracene                | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluoranthene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Fluorene                             | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Indeno(1,2,3-cd)pyrene               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Naphthalene                          | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Phenanthrene                         | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Pyrene                               | BDL    | 0.000050   | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 1-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Methylnaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| 2-Chloronaphthalene                  | BDL    | 0.00025    | mg/l   | 8270C-SIM | 05/30/09 | 1    |
| Surrogate Recovery                   |        |            |        |           |          |      |
| Nitrobenzene-d5                      | 62.9   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| 2-Fluorobiphenyl                     | 80.7   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |
| p-Terphenyl-d14                      | 89.5   |            | % Rec. | 8270C-SIM | 05/30/09 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 06/08/09 14:41 Printed: 06/08/09 14:43

Summary of Remarks For Samples Printed  
06/08/09 at 14:43:07

TSR Signing Reports: 134  
R5 - Desired TAT

Sample: L404782-01 Account: BUYSGJCO Received: 05/29/09 09:00 Due Date: 06/05/09 00:00 RPT Date: 06/08/09 14:41



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Dan Soucy  
838 Grand Avenue, Suite 100

## Quality Assurance Report Level II

Grand Junction, CO 81506

L404782

June 08, 2009

| Analyte                     | Result  | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|-----------------------------|---------|------------------|-------|--------|----------|----------------|
|                             |         | Units            | % Rec |        |          |                |
| 1-Methylnaphthalene         | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| 2-Chloronaphthalene         | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| 2-Methylnaphthalene         | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Acenaphthene                | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Acenaphthylene              | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Anthracene                  | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Benzo(a)anthracene          | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Benzo(a)pyrene              | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Benzo(b)fluoranthene        | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Benzo(g,h,i)perylene        | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Benzo(k)fluoranthene        | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Chrysene                    | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Dibenz(a,h)anthracene       | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Fluoranthene                | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Fluorene                    | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Indeno(1,2,3-cd)pyrene      | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Naphthalene                 | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Phenanthrene                | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| Pyrene                      | < .01   | ppm              |       |        | WG424027 | 05/30/09 10:24 |
| 2-Fluorobiphenyl            |         | % Rec.           | 67.92 | 26-122 | WG424027 | 05/30/09 10:24 |
| Nitrobenzene-d5             |         | % Rec.           | 58.06 | 12-120 | WG424027 | 05/30/09 10:24 |
| p-Terphenyl-d14             |         | % Rec.           | 82.57 | 34-149 | WG424027 | 05/30/09 10:24 |
| Turbidity                   | < .1    | NTU              |       |        | WG424034 | 05/30/09 07:42 |
| TPH (GC/FID) High Fraction  | < .1    | ppm              |       |        | WG424264 | 06/02/09 03:53 |
| o-Terphenyl                 |         | % Rec.           | 102.6 | 50-150 | WG424264 | 06/02/09 03:53 |
| Benzene                     | < .0005 | mg/l             |       |        | WG424410 | 06/02/09 03:28 |
| Ethylbenzene                | < .0005 | mg/l             |       |        | WG424410 | 06/02/09 03:28 |
| Toluene                     | < .005  | mg/l             |       |        | WG424410 | 06/02/09 03:28 |
| TPH (GC/FID) Low Fraction   | < .1    | mg/l             |       |        | WG424410 | 06/02/09 03:28 |
| a,a,a-Trifluorotoluene(FID) |         | % Rec.           | 94.47 | 62-128 | WG424410 | 06/02/09 03:28 |
| a,a,a-Trifluorotoluene(PID) |         | % Rec.           | 102.9 | 55-122 | WG424410 | 06/02/09 03:28 |
| Suspended Solids            | < 1     | mg/l             |       |        | WG424103 | 05/30/09 07:25 |
| Ammonia Nitrogen            | < .1    | mg/l             |       |        | WG424130 | 06/02/09 14:10 |
| Nitrate-Nitrite             | < .1    | mg/l             |       |        | WG424432 | 06/02/09 03:43 |
| Chloride                    | < 1     | mg/l             |       |        | WG424503 | 06/02/09 09:59 |
| Fluoride                    | < .1    | mg/l             |       |        | WG424503 | 06/02/09 09:59 |
| Sulfate                     | < 5     | mg/l             |       |        | WG424503 | 06/02/09 09:59 |
| Alkalinity                  | < 10    | mg/l             |       |        | WG424547 | 06/03/09 08:56 |
| Dissolved Solids            | < 10    | mg/l             |       |        | WG424215 | 06/03/09 12:38 |

\* Performance of this Analyte is outside of established criteria.  
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## Quality Assurance Report Level II

Grand Junction, CO 81506

L404782

June 08, 2009

| Analyte           | Result | Laboratory Blank |       | Limit | Batch    | Date Analyzed  |
|-------------------|--------|------------------|-------|-------|----------|----------------|
|                   |        | Units            | % Rec |       |          |                |
| Hardness          | < 30   | mg/l             |       |       | WG424487 | 06/03/09 10:45 |
| Phosphorus, Total | < .1   | mg/l             |       |       | WG424313 | 06/03/09 02:07 |
| Barium            | < .005 | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Cadmium           | < .005 | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Calcium           | < .5   | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Chromium          | < .01  | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Copper            | < .02  | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Iron              | < .1   | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Lead              | < .005 | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Magnesium         | < .1   | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Manganese         | < .01  | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Selenium          | < .02  | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Silver            | < .01  | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Sodium            | < .5   | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Zinc              | < .03  | mg/l             |       |       | WG424780 | 06/05/09 09:21 |
| Arsenic           | < .001 | mg/l             |       |       | WG424622 | 06/05/09 04:06 |

| Analyte           | Units | Result | Duplicate |  | RPD   | Limit | Ref Samp   | Batch    |
|-------------------|-------|--------|-----------|--|-------|-------|------------|----------|
|                   |       |        | Duplicate |  |       |       |            |          |
| Turbidity         | NTU   | 4.30   | 4.30      |  | 0.00  | 20    | L404772-01 | WG424034 |
| Suspended Solids  | mg/l  | 31.0   | 30.0      |  | 3.28  | 5     | L404800-01 | WG424103 |
| Ammonia Nitrogen  | mg/l  | 0.00   | 0.00      |  | 0.00  | 20    | L404883-04 | WG424130 |
| Ammonia Nitrogen  | mg/l  | 0.00   | 0.00      |  | 0.00  | 20    | L404047-04 | WG424130 |
| Nitrate-Nitrite   | mg/l  | 0.00   | 0.00      |  | 0.00  | 20    | L405020-01 | WG424432 |
| Nitrate-Nitrite   | mg/l  | 0.161  | 0.170     |  | 5.44  | 20    | L404767-01 | WG424432 |
| Chloride          | mg/l  | 307.   | 310.      |  | 0.972 | 20    | L404770-06 | WG424503 |
| Fluoride          | mg/l  | 0.244  | 0.132     |  | 59.6* | 20    | L404770-06 | WG424503 |
| Sulfate           | mg/l  | 70.3   | 70.2      |  | 0.142 | 20    | L404770-06 | WG424503 |
| Alkalinity        | mg/l  | 57.9   | 74.0      |  | 24.4* | 20    | L404790-01 | WG424547 |
| Alkalinity        | mg/l  | 63.1   | 79.0      |  | 22.4* | 20    | L404767-01 | WG424547 |
| Suspended Solids  | mg/l  | 60.4   | 57.0      |  | 5.79* | 5     | L404761-01 | WG424103 |
| Dissolved Solids  | mg/l  | 829.   | 810.      |  | 2.32  | 5     | L405024-01 | WG424215 |
| Hardness          | mg/l  | 392.   | 390.      |  | 0.512 | 20    | L405020-01 | WG424487 |
| Phosphorus, Total | mg/l  | 0.127  | 0.110     |  | 14.3  | 20    | L404932-04 | WG424313 |

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## Quality Assurance Report Level II

Grand Junction, CO 81506

June 08, 2009

L404782

| Analyte           | Units | Result  | Duplicate |  | RPD   | Limit | Ref Samp   | Batch    |
|-------------------|-------|---------|-----------|--|-------|-------|------------|----------|
|                   |       |         | Duplicate |  |       |       |            |          |
| Phosphorus, Total | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404726-01 | WG424313 |
| Barium            | mg/l  | 0.215   | 0.210     |  | 2.35  | 20    | L404883-07 | WG424780 |
| Cadmium           | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404883-07 | WG424780 |
| Calcium           | mg/l  | 308.    | 296.      |  | 3.97  | 20    | L404883-07 | WG424780 |
| Chromium          | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404883-07 | WG424780 |
| Copper            | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404883-07 | WG424780 |
| Iron              | mg/l  | 2.21    | 2.17      |  | 1.83  | 20    | L404883-07 | WG424780 |
| Lead              | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404883-07 | WG424780 |
| Magnesium         | mg/l  | 38.2    | 37.8      |  | 1.05  | 20    | L404883-07 | WG424780 |
| Manganese         | mg/l  | 3.72    | 3.68      |  | 1.08  | 20    | L404883-07 | WG424780 |
| Selenium          | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404883-07 | WG424780 |
| Silver            | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404883-07 | WG424780 |
| Zinc              | mg/l  | 0.00    | 0.00      |  | 0.00  | 20    | L404883-07 | WG424780 |
| Sodium            | mg/l  | 1930    | 0.00      |  | NA    | 20    | L404883-07 | WG424780 |
| Arsenic           | mg/l  | 0.00144 | 0.00300   |  | 70.3* | 20    | L404789-03 | WG424622 |

| Analyte                     | Units | Laboratory Control |  | Sample Result | % Rec | Limit  | Batch    |
|-----------------------------|-------|--------------------|--|---------------|-------|--------|----------|
|                             |       | Known Val          |  |               |       |        |          |
| 1-Methylnaphthalene         | ppm   | .001               |  | 0.000898      | 89.8  | 30-123 | WG424027 |
| 2-Chloronaphthalene         | ppm   | .001               |  | 0.000880      | 88.0  | 34-120 | WG424027 |
| 2-Methylnaphthalene         | ppm   | .001               |  | 0.000876      | 87.6  | 29-116 | WG424027 |
| Acenaphthene                | ppm   | .001               |  | 0.000907      | 90.7  | 40-113 | WG424027 |
| Acenaphthylene              | ppm   | .001               |  | 0.000923      | 92.3  | 36-115 | WG424027 |
| Anthracene                  | ppm   | .001               |  | 0.000999      | 99.9  | 45-118 | WG424027 |
| Benzo(a)anthracene          | ppm   | .001               |  | 0.000933      | 93.3  | 36-129 | WG424027 |
| Benzo(a)pyrene              | ppm   | .001               |  | 0.000976      | 97.6  | 44-124 | WG424027 |
| Benzo(b)fluoranthene        | ppm   | .001               |  | 0.000952      | 95.2  | 43-126 | WG424027 |
| Benzo(g,h,i)perylene        | ppm   | .001               |  | 0.000953      | 95.3  | 39-128 | WG424027 |
| Benzo(k)fluoranthene        | ppm   | .001               |  | 0.000977      | 97.7  | 44-127 | WG424027 |
| Chrysene                    | ppm   | .001               |  | 0.000898      | 89.8  | 36-137 | WG424027 |
| Dibenz(a,h)anthracene       | ppm   | .001               |  | 0.000952      | 95.2  | 39-129 | WG424027 |
| Fluoranthene                | ppm   | .001               |  | 0.000983      | 98.3  | 45-123 | WG424027 |
| Fluorene                    | ppm   | .001               |  | 0.000939      | 93.9  | 41-118 | WG424027 |
| Indeno(1,2,3-cd)pyrene      | ppm   | .001               |  | 0.000944      | 94.4  | 39-129 | WG424027 |
| Naphthalene                 | ppm   | .001               |  | 0.000835      | 83.5  | 26-111 | WG424027 |
| Phenanthrene                | ppm   | .001               |  | 0.000885      | 88.5  | 41-116 | WG424027 |
| Pyrene                      | ppm   | .001               |  | 0.000877      | 87.7  | 32-136 | WG424027 |
| 2-Fluorobiphenyl            |       |                    |  |               | 92.11 | 26-122 | WG424027 |
| Nitrobenzene-d5             |       |                    |  |               | 79.68 | 12-120 | WG424027 |
| p-Terphenyl-d14             |       |                    |  |               | 98.24 | 34-149 | WG424027 |
| Turbidity                   | NTU   | 20                 |  | 21.0          | 105.  | 85-115 | WG424034 |
| TPH (GC/FID) High Fraction  | ppm   | 1.5                |  | 1.19          | 79.0  | 50-150 | WG424264 |
| o-Terphenyl                 |       |                    |  |               | 106.3 | 50-150 | WG424264 |
| Benzene                     | mg/l  | .05                |  | 0.0452        | 90.4  | 79-114 | WG424410 |
| Ethylbenzene                | mg/l  | .05                |  | 0.0419        | 83.7  | 80-116 | WG424410 |
| Toluene                     | mg/l  | .05                |  | 0.0436        | 87.2  | 79-112 | WG424410 |
| a,a,a-Trifluorotoluene(PID) |       |                    |  |               | 101.5 | 55-122 | WG424410 |
| TPH (GC/FID) Low Fraction   | mg/l  | 5.5                |  | 4.32          | 78.6  | 70-124 | WG424410 |

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## Quality Assurance Report Level II

Grand Junction, CO 81506

L404782

June 08, 2009

| Analyte                     | Units | Laboratory Control | Sample | % Rec | Limit  | Batch    |
|-----------------------------|-------|--------------------|--------|-------|--------|----------|
|                             |       | Known Val          | Result |       |        |          |
| a,a,a-Trifluorotoluene(FID) |       |                    |        | 111.6 | 62-128 |          |
| Suspended Solids            | mg/l  | 780                | 800.   | 103.  | 85-115 | WG424103 |
| Ammonia Nitrogen            | mg/l  | 7.5                | 7.07   | 94.3  | 90-110 | WG424130 |
| Nitrate-Nitrite             | mg/l  | 5                  | 5.09   | 102.  | 85-115 | WG424432 |
| Chloride                    | mg/l  | 40                 | 37.4   | 93.5  | 90-110 | WG424503 |
| Fluoride                    | mg/l  | 8                  | 8.02   | 100.  | 90-110 | WG424503 |
| Sulfate                     | mg/l  | 40                 | 38.1   | 95.3  | 90-110 | WG424503 |
| Alkalinity                  | mg/l  | 40                 | 42.1   | 105.  | 85-115 | WG424547 |
| Dissolved Solids            | mg/l  | 8800               | 8600   | 97.7  | 85-115 | WG424215 |
| Hardness                    | mg/l  | 200                | 214.   | 107.  | 85-115 | WG424487 |
| Phosphorus, Total           | mg/l  | 1                  | 1.04   | 104.  | 85-115 | WG424313 |
| Barium                      | mg/l  | 1.13               | 1.14   | 101.  | 85-115 | WG424780 |
| Cadmium                     | mg/l  | 1.13               | 1.14   | 101.  | 85-115 | WG424780 |
| Calcium                     | mg/l  | 11.3               | 11.1   | 98.2  | 85-115 | WG424780 |
| Chromium                    | mg/l  | 1.13               | 1.08   | 95.6  | 85-115 | WG424780 |
| Copper                      | mg/l  | 1.13               | 1.12   | 99.1  | 85-115 | WG424780 |
| Iron                        | mg/l  | 1.13               | 1.15   | 102.  | 85-115 | WG424780 |
| Lead                        | mg/l  | 1.13               | 1.11   | 98.2  | 85-115 | WG424780 |
| Magnesium                   | mg/l  | 11.3               | 11.6   | 103.  | 85-115 | WG424780 |
| Manganese                   | mg/l  | 1.13               | 1.11   | 98.2  | 85-115 | WG424780 |
| Selenium                    | mg/l  | 1.13               | 1.04   | 92.0  | 85-115 | WG424780 |
| Silver                      | mg/l  | 1.13               | 1.11   | 98.2  | 85-115 | WG424780 |
| Sodium                      | mg/l  | 11.3               | 11.7   | 104.  | 85-115 | WG424780 |
| Zinc                        | mg/l  | 1.13               | 1.11   | 98.2  | 85-115 | WG424780 |
| Arsenic                     | mg/l  | .0567              | 0.0532 | 93.8  | 85-115 | WG424622 |

| Analyte              | Units | Laboratory Control |          | Sample Duplicate | Limit  | RPD  | Limit | Batch    |
|----------------------|-------|--------------------|----------|------------------|--------|------|-------|----------|
|                      |       | Result             | Ref      | %Rec             |        |      |       |          |
| 1-Methylnaphthalene  | ppm   | 0.000781           | 0.000898 | 78.0             | 30-123 | 13.9 | 32    | WG424027 |
| 2-Chloronaphthalene  | ppm   | 0.000794           | 0.000880 | 79.0             | 34-120 | 10.2 | 30    | WG424027 |
| 2-Methylnaphthalene  | ppm   | 0.000794           | 0.000876 | 79.0             | 29-116 | 9.81 | 31    | WG424027 |
| Acenaphthene         | ppm   | 0.000842           | 0.000907 | 84.0             | 40-113 | 7.42 | 25    | WG424027 |
| Acenaphthylene       | ppm   | 0.000855           | 0.000923 | 86.0             | 36-115 | 7.55 | 25    | WG424027 |
| Anthracene           | ppm   | 0.000856           | 0.000999 | 86.0             | 45-118 | 15.4 | 26    | WG424027 |
| Benzo(a)anthracene   | ppm   | 0.000904           | 0.000933 | 90.0             | 36-129 | 3.06 | 26    | WG424027 |
| Benzo(a)pyrene       | ppm   | 0.000921           | 0.000976 | 92.0             | 44-124 | 5.75 | 21    | WG424027 |
| Benzo(b)fluoranthene | ppm   | 0.000880           | 0.000952 | 88.0             | 43-126 | 7.88 | 38    | WG424027 |
| Benzo(g,h,i)perylene | ppm   | 0.000895           | 0.000953 | 90.0             | 39-128 | 6.20 | 20    | WG424027 |
| Benzo(k)fluoranthene | ppm   | 0.000941           | 0.000977 | 94.0             | 44-127 | 3.75 | 39    | WG424027 |
| Chrysene             | ppm   | 0.000866           | 0.000898 | 87.0             | 36-137 | 3.71 | 22    | WG424027 |

\* Performance of this Analyte is outside of established criteria.

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Tax I.D. 62-0814289

Est. 1970

Buys and Associates, Inc - GJ, CO  
Dan Soucy  
838 Grand Avenue, Suite 100

## Quality Assurance Report Level II

Grand Junction, CO 81506

L404782

June 08, 2009

| Analyte                     | Units | Laboratory Control |          | Sample Duplicate |  | Limit  | RPD   | Limit | Batch    |
|-----------------------------|-------|--------------------|----------|------------------|--|--------|-------|-------|----------|
|                             |       | Result             | Ref      | %Rec             |  |        |       |       |          |
| Dibenz(a,h)anthracene       | ppm   | 0.000894           | 0.000952 | 89.0             |  | 39-129 | 6.30  | 20    | WG424027 |
| Fluoranthene                | ppm   | 0.000876           | 0.000983 | 88.0             |  | 45-123 | 11.5  | 25    | WG424027 |
| Fluorene                    | ppm   | 0.000889           | 0.000939 | 89.0             |  | 41-118 | 5.52  | 26    | WG424027 |
| Indeno(1,2,3-cd)pyrene      | ppm   | 0.000892           | 0.000944 | 89.0             |  | 39-129 | 5.61  | 20    | WG424027 |
| Naphthalene                 | ppm   | 0.000762           | 0.000835 | 76.0             |  | 26-111 | 9.21  | 32    | WG424027 |
| Phenanthrene                | ppm   | 0.000874           | 0.000885 | 87.0             |  | 41-116 | 1.29  | 25    | WG424027 |
| Pyrene                      | ppm   | 0.000854           | 0.000877 | 85.0             |  | 32-136 | 2.64  | 22    | WG424027 |
| 2-Fluorobiphenyl            |       |                    |          | 81.39            |  | 26-122 |       |       | WG424027 |
| Nitrobenzene-d5             |       |                    |          | 71.31            |  | 12-120 |       |       | WG424027 |
| p-Terphenyl-d14             |       |                    |          | 94.31            |  | 34-149 |       |       | WG424027 |
| Turbidity                   | NTU   | 20.0               | 21.0     | 100.             |  | 85-115 | 4.88  | 20    | WG424034 |
| TPH (GC/FID) High Fraction  | ppm   | 1.31               | 1.19     | 87.0             |  | 50-150 | 9.64  | 25    | WG424264 |
| o-Terphenyl                 |       |                    |          | 113.7            |  | 50-150 |       |       | WG424264 |
| Benzene                     | mg/l  | 0.0448             | 0.0452   | 90.0             |  | 79-114 | 0.764 | 20    | WG424410 |
| Ethylbenzene                | mg/l  | 0.0420             | 0.0419   | 84.0             |  | 80-116 | 0.415 | 20    | WG424410 |
| Toluene                     | mg/l  | 0.0435             | 0.0436   | 87.0             |  | 79-112 | 0.174 | 20    | WG424410 |
| a,a,a-Trifluorotoluene(PID) |       |                    |          | 101.5            |  | 55-122 |       |       | WG424410 |
| TPH (GC/FID) Low Fraction   | mg/l  | 4.25               | 4.32     | 77.0             |  | 70-124 | 1.75  | 20    | WG424410 |
| a,a,a-Trifluorotoluene(FID) |       |                    |          | 110.9            |  | 62-128 |       |       | WG424410 |
| Suspended Solids            | mg/l  | 808.               | 800.     | 104.             |  | 85-115 | 0.995 | 20    | WG424103 |
| Ammonia Nitrogen            | mg/l  | 7.13               | 7.07     | 95.0             |  | 90-110 | 0.845 | 20    | WG424130 |
| Nitrate-Nitrite             | mg/l  | 4.87               | 5.09     | 97.0             |  | 85-115 | 4.42  | 20    | WG424432 |
| Chloride                    | mg/l  | 37.4               | 37.4     | 94.0             |  | 90-110 | 0.00  | 20    | WG424503 |
| Fluoride                    | mg/l  | 8.10               | 8.02     | 101.             |  | 90-110 | 0.993 | 20    | WG424503 |
| Sulfate                     | mg/l  | 38.3               | 38.1     | 96.0             |  | 90-110 | 0.524 | 20    | WG424503 |
| Alkalinity                  | mg/l  | 41.4               | 42.1     | 104.             |  | 85-115 | 1.68  | 20    | WG424547 |
| Dissolved Solids            | mg/l  | 8620               | 8600     | 98.0             |  | 85-115 | 0.325 | 20    | WG424215 |
| Hardness                    | mg/l  | 213.               | 214.     | 107.             |  | 85-115 | 0.468 | 20    | WG424487 |
| Phosphorus,Total            | mg/l  | 1.07               | 1.04     | 107.             |  | 85-115 | 2.84  | 20    | WG424313 |

| Analyte                     | Units | Matrix Spike |         |     | % Rec | Limit  | Ref Samp   | Batch    |
|-----------------------------|-------|--------------|---------|-----|-------|--------|------------|----------|
|                             |       | MS Res       | Ref Res | TV  |       |        |            |          |
| Benzene                     | mg/l  | 0.0463       | 0.00    | .05 | 92.6  | 35-147 | L404767-01 | WG424410 |
| Ethylbenzene                | mg/l  | 0.0424       | 0.00    | .05 | 84.9  | 39-141 | L404767-01 | WG424410 |
| Toluene                     | mg/l  | 0.0447       | 0.00    | .05 | 89.4  | 35-148 | L404767-01 | WG424410 |
| a,a,a-Trifluorotoluene(PID) |       |              |         |     | 100.5 | 55-122 |            | WG424410 |

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Dan Soucy  
838 Grand Avenue, Suite 100

## Quality Assurance Report Level II

Grand Junction, CO 81506

June 08, 2009

L404782

| Analyte                     | Units | MS Res | Matrix Spike |       | % Rec  | Limit  | Ref Samp   | Batch    |
|-----------------------------|-------|--------|--------------|-------|--------|--------|------------|----------|
|                             |       |        | Ref Res      | TV    |        |        |            |          |
| TPH (GC/FID) Low Fraction   | mg/l  | 4.24   | 0.00         | 5.5   | 77.0   | 55-109 | L404767-01 | WG424410 |
| a,a,a-Trifluorotoluene(FID) |       |        |              |       | 110.7  | 62-128 |            | WG424410 |
| Ammonia Nitrogen            | mg/l  | 4.73   | 0.00         | 5     | 94.6   | 90-110 | L404786-01 | WG424130 |
| Nitrate-Nitrite             | mg/l  | 5.69   | 0.410        | 5     | 106.   | 80-120 | L404791-01 | WG424432 |
| Chloride                    | mg/l  | 48.5   | 2.70         | 50    | 91.6   | 80-120 | L404778-04 | WG424503 |
| Sulfate                     | mg/l  | 82.0   | 33.0         | 50    | 98.0   | 80-120 | L404778-04 | WG424503 |
| Alkalinity                  | mg/l  | 291.   | 73.0         | 200   | 109.   | 80-120 | L404772-01 | WG424547 |
| Hardness                    | mg/l  | 524.   | 400.         | 150   | 82.7   | 80-120 | L405020-03 | WG424487 |
| Phosphorus, Total           | mg/l  | 2.47   | 0.200        | 2.5   | 90.8   | 80-120 | L404800-01 | WG424313 |
| Barium                      | mg/l  | 1.30   | 0.210        | 1.13  | 96.5   | 75-125 | L404883-07 | WG424780 |
| Cadmium                     | mg/l  | 1.08   | 0.00         | 1.13  | 95.6   | 75-125 | L404883-07 | WG424780 |
| Calcium                     | mg/l  | 315.   | 296.         | 11.3  | 168.*  | 75-125 | L404883-07 | WG424780 |
| Chromium                    | mg/l  | 1.05   | 0.00         | 1.13  | 92.9   | 75-125 | L404883-07 | WG424780 |
| Copper                      | mg/l  | 1.20   | 0.00         | 1.13  | 106.   | 75-125 | L404883-07 | WG424780 |
| Iron                        | mg/l  | 3.28   | 2.17         | 1.13  | 98.2   | 75-125 | L404883-07 | WG424780 |
| Lead                        | mg/l  | 1.06   | 0.00         | 1.13  | 93.8   | 75-125 | L404883-07 | WG424780 |
| Magnesium                   | mg/l  | 48.5   | 37.8         | 11.3  | 94.7   | 75-125 | L404883-07 | WG424780 |
| Manganese                   | mg/l  | 4.76   | 3.68         | 1.13  | 95.6   | 75-125 | L404883-07 | WG424780 |
| Selenium                    | mg/l  | 1.05   | 0.00         | 1.13  | 92.9   | 75-125 | L404883-07 | WG424780 |
| Silver                      | mg/l  | 0.335  | 0.00         | 1.13  | 29.6*  | 75-125 | L404883-07 | WG424780 |
| Zinc                        | mg/l  | 1.13   | 0.00         | 1.13  | 100.   | 75-125 | L404883-07 | WG424780 |
| Sodium                      | mg/l  | 1950   | 0.00         | 2.26  | 17300* | 75-125 | L404883-07 | WG424780 |
| Arsenic                     | mg/l  | 0.0542 | 0.00300      | .0567 | 90.3   | 75-125 | L404789-03 | WG424622 |

| Analyte                     | Units | MSD    | Matrix Spike Duplicate |       | Limit  | RPD   | Limit | Ref Samp   | Batch    |
|-----------------------------|-------|--------|------------------------|-------|--------|-------|-------|------------|----------|
|                             |       |        | Ref                    | %Rec  |        |       |       |            |          |
| Benzene                     | mg/l  | 0.0474 | 0.0463                 | 94.7  | 35-147 | 2.31  | 20    | L404767-01 | WG424410 |
| Ethylbenzene                | mg/l  | 0.0439 | 0.0424                 | 87.7  | 39-141 | 3.30  | 20    | L404767-01 | WG424410 |
| Toluene                     | mg/l  | 0.0460 | 0.0447                 | 91.9  | 35-148 | 2.75  | 20    | L404767-01 | WG424410 |
| a,a,a-Trifluorotoluene(PID) |       |        |                        | 102.1 | 55-122 |       |       |            | WG424410 |
| TPH (GC/FID) Low Fraction   | mg/l  | 4.13   | 4.24                   | 75.1  | 55-109 | 2.54  | 20    | L404767-01 | WG424410 |
| a,a,a-Trifluorotoluene(FID) |       |        |                        | 110.3 | 62-128 |       |       |            | WG424410 |
| Ammonia Nitrogen            | mg/l  | 4.68   | 4.73                   | 93.6  | 90-110 | 1.06  | 20    | L404786-01 | WG424130 |
| Nitrate-Nitrite             | mg/l  | 5.67   | 5.69                   | 105.  | 80-120 | 0.352 | 20    | L404791-01 | WG424432 |
| Chloride                    | mg/l  | 48.9   | 48.5                   | 92.4  | 80-120 | 0.821 | 20    | L404778-04 | WG424503 |
| Sulfate                     | mg/l  | 82.2   | 82.0                   | 98.4  | 80-120 | 0.244 | 20    | L404778-04 | WG424503 |

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Dan Soucy  
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## Quality Assurance Report Level II

Grand Junction, CO 81506

June 08, 2009

L404782

| Analyte           | Units | MSD    | Matrix Spike Duplicate |            | Limit  | RPD   | Limit | Ref Samp   | Batch    |
|-------------------|-------|--------|------------------------|------------|--------|-------|-------|------------|----------|
|                   |       |        | Ref                    | %Rec       |        |       |       |            |          |
| Alkalinity        | mg/l  | 290.   | 291.                   | 109.       | 80-120 | 0.344 | 20    | L404772-01 | WG424547 |
| Hardness          | mg/l  | 512.   | 524.                   | 74.667*    | 80-120 | 2.32  | 20    | L405020-03 | WG424487 |
| Phosphorus, Total | mg/l  | 2.54   | 2.47                   | 93.6       | 80-120 | 2.79  | 20    | L404800-01 | WG424313 |
| Barium            | mg/l  | 1.33   | 1.30                   | 99.1       | 75-125 | 2.28  | 20    | L404883-07 | WG424780 |
| Cadmium           | mg/l  | 1.11   | 1.08                   | 98.2       | 75-125 | 2.74  | 20    | L404883-07 | WG424780 |
| Calcium           | mg/l  | 309.   | 315.                   | 115.       | 75-125 | 1.92  | 20    | L404883-07 | WG424780 |
| Chromium          | mg/l  | 1.06   | 1.05                   | 93.8       | 75-125 | 0.948 | 20    | L404883-07 | WG424780 |
| Copper            | mg/l  | 1.24   | 1.20                   | 110.       | 75-125 | 3.28  | 20    | L404883-07 | WG424780 |
| Iron              | mg/l  | 3.35   | 3.28                   | 104.       | 75-125 | 2.11  | 20    | L404883-07 | WG424780 |
| Lead              | mg/l  | 1.08   | 1.06                   | 95.6       | 75-125 | 1.87  | 20    | L404883-07 | WG424780 |
| Magnesium         | mg/l  | 49.6   | 48.5                   | 104.       | 75-125 | 2.24  | 20    | L404883-07 | WG424780 |
| Manganese         | mg/l  | 4.73   | 4.76                   | 92.9       | 75-125 | 0.632 | 20    | L404883-07 | WG424780 |
| Selenium          | mg/l  | 1.07   | 1.05                   | 94.7       | 75-125 | 1.89  | 20    | L404883-07 | WG424780 |
| Silver            | mg/l  | 0.378  | 0.335                  | 33.451*    | 75-125 | 12.1  | 20    | L404883-07 | WG424780 |
| Zinc              | mg/l  | 1.15   | 1.13                   | 102.       | 75-125 | 1.75  | 20    | L404883-07 | WG424780 |
| Sodium            | mg/l  | 1900   | 1950                   | 16814.159* | 75-125 | 2.60  | 20    | L404883-07 | WG424780 |
| Arsenic           | mg/l  | 0.0538 | 0.0542                 | 89.6       | 75-125 | 0.741 | 20    | L404789-03 | WG424622 |

Batch number / Run number / Sample number cross reference

WG424027: R762906: L404782-01  
WG424034: R763926: L404782-01  
WG424264: R766070: L404782-01  
WG424410: R766567: L404782-01  
WG424103: R767226: L404782-01  
WG424130: R767326: L404782-01  
WG424432: R767487: L404782-01  
WG424503: R768146: L404782-01  
WG424547: R768187: L404782-01  
WG424215: R768826: L404782-01  
WG424487: R769326: L404782-01  
WG424313: R769646: L404782-01  
WG424780: R775166: L404782-01  
WG424622: R776048: L404782-01

\* \* Calculations are performed prior to rounding of reported values .  
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## Quality Assurance Report Level II

Grand Junction, CO 81506

L404782

June 08, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

JOHN C. KEPHART & CO.  
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

— ANALYTICAL REPORT —

Received from:

Buys and Associates, Dan Soucy  
300 East Mineral Ave., Suite #10  
Littleton, CO 80122-2655  
FAX 303-788-1167  
781

Customer No. \_\_\_\_\_ Laboratory No. 8719 Sample water

Date Received 5/28/09 Date Reported 6/3/09

Lab Number: 8719  
Client Sample ID: 001  
E. Coli 0 colonies/100ml sample

Lab Number: 8720  
Client Sample ID: 002  
E. Coli 0 colonies/100ml sample

Lab Number: 8721  
Client Sample ID: 003  
E. Coli 0 colonies/100ml sample

Lab Number: 8722  
Client Sample ID: 004  
E. Coli 1 colony/100ml sample

Lab Director: B. Bauer

**OCTOBER 2008 LAB RESULTS**





ENVIRONMENTAL  
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838 Grand Avenue, Suite 100

Grand Junction, CO 81506

Report Summary

Tuesday October 14, 2008

Report Number: L369105

Samples Received: 10/09/08

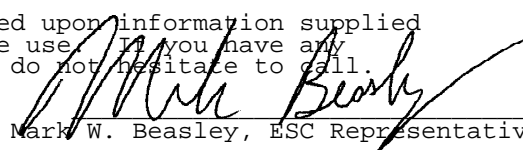
Client Project: Black Diamond

Description: Background Water Sampling

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

*Laboratory Certification Numbers*

  
Mark W. Beasley, ESC Representative

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140  
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided  
in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

October 14, 2008

Date Received : October 09, 2008  
Description : Background Water Sampling

Sample ID : BD-1

Collected By : Carrie Grudorf  
Collection Date : 10/07/08 14:20

ESC Sample # : L369105-01

Site ID :

Project # : Black Diamond

| Parameter                   | Result | Det. Limit | Units    | Method    | Date     | Dil. |
|-----------------------------|--------|------------|----------|-----------|----------|------|
| Ammonia Nitrogen            | 0.11   | 0.10       | mg/l     | 350.1     | 10/14/08 | 1    |
| Specific Conductance        | 240    |            | umhos/cm | 9050A     | 10/10/08 | 1    |
| Turbidity                   | 0.77   | 0.10       | NTU      | SM2130B   | 10/09/08 | 1    |
| Dissolved Solids            | 150    | 10.        | mg/l     | 2540C     | 10/10/08 | 1    |
| Suspended Solids            | 2.2    | 1.0        | mg/l     | 2540D     | 10/10/08 | 1    |
| Calcium                     | 29.    | 0.50       | mg/l     | 6010B     | 10/11/08 | 1    |
| Copper                      | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l     | 6010B     | 10/11/08 | 1    |
| Magnesium                   | 4.3    | 0.10       | mg/l     | 6010B     | 10/11/08 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Silver                      | BDL    | 0.010      | mg/l     | 6010B     | 10/11/08 | 1    |
| Zinc                        | BDL    | 0.030      | mg/l     | 6010B     | 10/11/08 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l     | GRO       | 10/10/08 | 1    |
| Surrogate Recovery-%        |        |            |          |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 101.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |
| a,a,a-Trifluorotoluene(PID) | 110.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

October 14, 2008

Date Received : October 09, 2008  
Description : Background Water Sampling

Sample ID : BD-3

Collected By : Carrie Grudorf  
Collection Date : 10/07/08 15:25

ESC Sample # : L369105-02

Site ID :

Project # : Black Diamond

| Parameter                   | Result | Det. Limit | Units    | Method    | Date     | Dil. |
|-----------------------------|--------|------------|----------|-----------|----------|------|
| Ammonia Nitrogen            | BDL    | 0.10       | mg/l     | 350.1     | 10/14/08 | 1    |
| Specific Conductance        | 200    |            | umhos/cm | 9050A     | 10/10/08 | 1    |
| Turbidity                   | 1.0    | 0.10       | NTU      | SM2130B   | 10/09/08 | 1    |
| Dissolved Solids            | 130    | 10.        | mg/l     | 2540C     | 10/10/08 | 1    |
| Suspended Solids            | 1.0    | 1.0        | mg/l     | 2540D     | 10/10/08 | 1    |
| Calcium                     | 24.    | 0.50       | mg/l     | 6010B     | 10/11/08 | 1    |
| Copper                      | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l     | 6010B     | 10/11/08 | 1    |
| Magnesium                   | 4.3    | 0.10       | mg/l     | 6010B     | 10/11/08 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Silver                      | BDL    | 0.010      | mg/l     | 6010B     | 10/11/08 | 1    |
| Zinc                        | BDL    | 0.030      | mg/l     | 6010B     | 10/11/08 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l     | GRO       | 10/10/08 | 1    |
| Surrogate Recovery-%        |        |            |          |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 102.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |
| a,a,a-Trifluorotoluene(PID) | 110.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

October 14, 2008

Date Received : October 09, 2008  
Description : Background Water Sampling

Sample ID : BD-2

Collected By : Carrie Grudorf  
Collection Date : 10/08/08 11:10

ESC Sample # : L369105-03

Site ID :

Project # : Black Diamond

| Parameter                   | Result | Det. Limit | Units    | Method    | Date     | Dil. |
|-----------------------------|--------|------------|----------|-----------|----------|------|
| Ammonia Nitrogen            | BDL    | 0.10       | mg/l     | 350.1     | 10/14/08 | 1    |
| Specific Conductance        | 180    |            | umhos/cm | 9050A     | 10/10/08 | 1    |
| Turbidity                   | 2.7    | 0.10       | NTU      | SM2130B   | 10/09/08 | 1    |
| Dissolved Solids            | 120    | 10.        | mg/l     | 2540C     | 10/10/08 | 1    |
| Suspended Solids            | 21.    | 1.0        | mg/l     | 2540D     | 10/10/08 | 1    |
| Calcium                     | 22.    | 0.50       | mg/l     | 6010B     | 10/11/08 | 1    |
| Copper                      | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l     | 6010B     | 10/11/08 | 1    |
| Magnesium                   | 3.8    | 0.10       | mg/l     | 6010B     | 10/11/08 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Silver                      | BDL    | 0.010      | mg/l     | 6010B     | 10/11/08 | 1    |
| Zinc                        | BDL    | 0.030      | mg/l     | 6010B     | 10/11/08 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l     | GRO       | 10/10/08 | 1    |
| Surrogate Recovery-%        |        |            |          |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 101.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |
| a,a,a-Trifluorotoluene(PID) | 110.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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## REPORT OF ANALYSIS

Dan Soucy  
Buys and Associates, Inc - GJ, CO  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

October 14, 2008

Date Received : October 09, 2008  
Description : Background Water Sampling

Sample ID : BD-4

Collected By : Carrie Grudorf  
Collection Date : 10/08/08 09:45

ESC Sample # : L369105-04

Site ID :

Project # : Black Diamond

| Parameter                   | Result | Det. Limit | Units    | Method    | Date     | Dil. |
|-----------------------------|--------|------------|----------|-----------|----------|------|
| Ammonia Nitrogen            | BDL    | 0.10       | mg/l     | 350.1     | 10/14/08 | 1    |
| Specific Conductance        | 270    |            | umhos/cm | 9050A     | 10/10/08 | 1    |
| Turbidity                   | 2.1    | 0.10       | NTU      | SM2130B   | 10/09/08 | 1    |
| Dissolved Solids            | 170    | 10.        | mg/l     | 2540C     | 10/10/08 | 1    |
| Suspended Solids            | 1.5    | 1.0        | mg/l     | 2540D     | 10/10/08 | 1    |
| Calcium                     | 33.    | 0.50       | mg/l     | 6010B     | 10/11/08 | 1    |
| Copper                      | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Lead                        | BDL    | 0.0050     | mg/l     | 6010B     | 10/11/08 | 1    |
| Magnesium                   | 6.0    | 0.10       | mg/l     | 6010B     | 10/11/08 | 1    |
| Selenium                    | BDL    | 0.020      | mg/l     | 6010B     | 10/11/08 | 1    |
| Silver                      | BDL    | 0.010      | mg/l     | 6010B     | 10/11/08 | 1    |
| Zinc                        | BDL    | 0.030      | mg/l     | 6010B     | 10/11/08 | 1    |
| Benzene                     | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Toluene                     | BDL    | 0.0050     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Ethylbenzene                | BDL    | 0.00050    | mg/l     | 8021/8015 | 10/10/08 | 1    |
| Total Xylene                | BDL    | 0.0015     | mg/l     | 8021/8015 | 10/10/08 | 1    |
| TPH (GC/FID) Low Fraction   | BDL    | 0.10       | mg/l     | GRO       | 10/10/08 | 1    |
| Surrogate Recovery-%        |        |            |          |           |          |      |
| a,a,a-Trifluorotoluene(FID) | 102.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |
| a,a,a-Trifluorotoluene(PID) | 109.   |            | % Rec.   | 8021/8015 | 10/10/08 | 1    |

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Attachment A  
List of Analytes with QC Qualifiers

| Sample<br>Number | Work<br>Group | Sample<br>Type | Analyte          | Run<br>ID | Qualifier |
|------------------|---------------|----------------|------------------|-----------|-----------|
| L369105-01       | WG388220      | SAMP           | Ammonia Nitrogen | R499804   | P1        |
| L369105-03       | WG387991      | SAMP           | Turbidity        | R495065   | T8        |
| L369105-04       | WG388028      | SAMP           | Suspended Solids | R496947   | T4        |
|                  | WG387991      | SAMP           | Turbidity        | R495065   | T8        |

Attachment B  
Explanation of QC Qualifier Codes

| Qualifier | Meaning                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------|
| P1        | RPD value not applicable for sample concentrations less than 5 times the reporting limit.                   |
| T4        | (ESC) - Additional method/sample information: QNS - Quantity Not Sufficient                                 |
| T8        | (ESC) - Additional method/sample information: Sample(s) received past/too close to holding time expiration. |

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
10/14/08 at 15:10:50

TSR Signing Reports: 134  
R4 - Rush: Three Day

cust type

Sample: L369105-01 Account: BUYSGJCO Received: 10/09/08 09:00 Due Date: 10/14/08 00:00 RPT Date: 10/14/08 15:10  
Refer to L369108.

Sample: L369105-02 Account: BUYSGJCO Received: 10/09/08 09:00 Due Date: 10/14/08 00:00 RPT Date: 10/14/08 15:10

Sample: L369105-03 Account: BUYSGJCO Received: 10/09/08 09:00 Due Date: 10/14/08 00:00 RPT Date: 10/14/08 15:10

Sample: L369105-04 Account: BUYSGJCO Received: 10/09/08 09:00 Due Date: 10/14/08 00:00 RPT Date: 10/14/08 15:10





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Dan Soucy  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

## Quality Assurance Report Level II

L369105

October 14, 2008

| Analyte                     | Result  | Laboratory Blank |       | Limit    | Batch    | Date Analyzed  |
|-----------------------------|---------|------------------|-------|----------|----------|----------------|
|                             |         | Units            | % Rec |          |          |                |
| Turbidity                   | < .1    | NTU              |       |          | WG387991 | 10/09/08 14:20 |
| Dissolved Solids            | < 10    | mg/l             |       |          | WG388019 | 10/10/08 14:38 |
| Benzene                     | < .0005 | mg/l             |       |          | WG387968 | 10/09/08 22:33 |
| Ethylbenzene                | < .0005 | mg/l             |       |          | WG387968 | 10/09/08 22:33 |
| Toluene                     | < .005  | mg/l             |       |          | WG387968 | 10/09/08 22:33 |
| TPH (GC/FID) Low Fraction   | < .1    | mg/l             |       |          | WG387968 | 10/09/08 22:33 |
| Total Xylene                | < .0015 | mg/l             |       |          | WG387968 | 10/09/08 22:33 |
| a,a,a-Trifluorotoluene(FID) |         | % Rec.           | 102.7 | 62-128   | WG387968 | 10/09/08 22:33 |
| a,a,a-Trifluorotoluene(PID) |         | % Rec.           | 108.2 | 54.8-121 | WG387968 | 10/09/08 22:33 |
| Specific Conductance        | 0.510   | umhos/cm         |       |          | WG388068 | 10/10/08 15:00 |
| Suspended Solids            | < 1     | mg/l             |       |          | WG388028 | 10/10/08 09:02 |
| Calcium                     | < .5    | mg/l             |       |          | WG388137 | 10/11/08 14:14 |
| Copper                      | < .02   | mg/l             |       |          | WG388137 | 10/11/08 14:14 |
| Lead                        | < .005  | mg/l             |       |          | WG388137 | 10/11/08 14:14 |
| Magnesium                   | < .1    | mg/l             |       |          | WG388137 | 10/11/08 14:14 |
| Selenium                    | < .02   | mg/l             |       |          | WG388137 | 10/11/08 14:14 |
| Silver                      | < .01   | mg/l             |       |          | WG388137 | 10/11/08 14:14 |
| Zinc                        | < .03   | mg/l             |       |          | WG388137 | 10/11/08 14:14 |
| Ammonia Nitrogen            | < .1    | mg/l             |       |          | WG388220 | 10/14/08 11:42 |

| Analyte              | Units | Duplicate |           | RPD   | Limit | Ref Samp   | Batch    |
|----------------------|-------|-----------|-----------|-------|-------|------------|----------|
|                      |       | Result    | Duplicate |       |       |            |          |
| Turbidity            | NTU   | 0.770     | 0.770     | 0.00  | 20    | L369105-01 | WG387991 |
| Dissolved Solids     | mg/l  | 170.      | 170.      | 0.00  | 5     | L369105-04 | WG388019 |
| Specific Conductance | umhos | 218.      | 220.      | 0.730 | 20    | L368400-01 | WG388068 |
| Specific Conductance | umhos | 269.      | 270.      | 0.334 | 20    | L369105-04 | WG388068 |
| Suspended Solids     | mg/l  | 1.50      | 1.50      | 0.00  | 5     | L369105-04 | WG388028 |
| Calcium              | mg/l  | 33.4      | 33.0      | 1.20  | 20    | L369105-04 | WG388137 |
| Copper               | mg/l  | 0.00      | 0.00      | 0.00  | 20    | L369105-04 | WG388137 |
| Lead                 | mg/l  | 0.00      | 0.00      | 0.00  | 20    | L369105-04 | WG388137 |
| Magnesium            | mg/l  | 5.90      | 6.00      | 1.68  | 20    | L369105-04 | WG388137 |
| Selenium             | mg/l  | 0.0214    | 0.00      | NA*   | 20    | L369105-04 | WG388137 |
| Silver               | mg/l  | 0.00      | 0.00      | 0.00  | 20    | L369105-04 | WG388137 |
| Zinc                 | mg/l  | 0.00      | 0.00      | 0.00  | 20    | L369105-04 | WG388137 |
| Ammonia Nitrogen     | mg/l  | 0.00      | 0.00      | 0.00  | 20    | L369055-02 | WG388220 |

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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## Quality Assurance Report Level II

L369105

October 14, 2008

| Analyte          | Units | Duplicate |           | RPD   | Limit | Ref Samp   | Batch    |
|------------------|-------|-----------|-----------|-------|-------|------------|----------|
|                  |       | Result    | Duplicate |       |       |            |          |
| Ammonia Nitrogen | mg/l  | 0.203     | 0.110     | 59.4* | 20    | L369105-01 | WG388220 |

| Analyte                     | Units    | Laboratory Control Sample |        | % Rec | Limit     | Batch    |
|-----------------------------|----------|---------------------------|--------|-------|-----------|----------|
|                             |          | Known Val                 | Result |       |           |          |
| Turbidity                   | NTU      | 20                        | 19.0   | 95.0  | 85-115    | WG387991 |
| Dissolved Solids            | mg/l     | 8800                      | 8510   | 96.7  | 85-115    | WG388019 |
| Benzene                     | mg/l     | .05                       | 0.0494 | 98.8  | 79-114    | WG387968 |
| Ethylbenzene                | mg/l     | .05                       | 0.0509 | 102.  | 80-116    | WG387968 |
| Toluene                     | mg/l     | .05                       | 0.0478 | 95.7  | 79-112    | WG387968 |
| Total Xylene                | mg/l     | .15                       | 0.157  | 104.  | 84-118    | WG387968 |
| a,a,a-Trifluorotoluene(FID) |          |                           |        | 101.2 | 62-128    | WG387968 |
| a,a,a-Trifluorotoluene(PID) |          |                           |        | 108.0 | 54.8-121. | WG387968 |
| TPH (GC/FID) Low Fraction   | mg/l     | 5.5                       | 4.96   | 90.3  | 70-124    | WG387968 |
| a,a,a-Trifluorotoluene(FID) |          |                           |        | 94.04 | 62-128    | WG387968 |
| a,a,a-Trifluorotoluene(PID) |          |                           |        | 115.3 | 54.8-121. | WG387968 |
| Specific Conductance        | umhos/cm | 519                       | 540.   | 104.  | 85-115    | WG388068 |
| Suspended Solids            | mg/l     | 778                       | 808.   | 104.  | 85-115    | WG388028 |
| Calcium                     | mg/l     | 11.3                      | 10.9   | 96.5  | 85-115    | WG388137 |
| Copper                      | mg/l     | 1.13                      | 1.15   | 102.  | 85-115    | WG388137 |
| Lead                        | mg/l     | 1.13                      | 1.17   | 104.  | 85-115    | WG388137 |
| Magnesium                   | mg/l     | 11.3                      | 11.2   | 99.1  | 85-115    | WG388137 |
| Selenium                    | mg/l     | 1.13                      | 1.08   | 95.6  | 85-115    | WG388137 |
| Silver                      | mg/l     | 1.13                      | 1.11   | 98.2  | 85-115    | WG388137 |
| Zinc                        | mg/l     | 1.13                      | 1.09   | 96.5  | 85-115    | WG388137 |
| Ammonia Nitrogen            | mg/l     | 7.5                       | 7.96   | 106.  | 85-115    | WG388220 |

| Analyte                     | Units | Laboratory Control Sample Duplicate |          | Limit | RPD     | Limit    | Batch    |
|-----------------------------|-------|-------------------------------------|----------|-------|---------|----------|----------|
|                             |       | Result                              | Ref %Rec |       |         |          |          |
| Turbidity                   | NTU   | 19.0                                | 19.0     | 95.0  | 85-115  | 0.00 20  | WG387991 |
| Dissolved Solids            | mg/l  | 8450                                | 8510     | 96.0  | 85-115  | 0.708 20 | WG388019 |
| Benzene                     | mg/l  | 0.047                               | 0.049    | 96.0  | 79-114  | 3.16 20  | WG387968 |
| Ethylbenzene                | mg/l  | 0.049                               | 0.050    | 98.0  | 80-116  | 3.48 20  | WG387968 |
| Toluene                     | mg/l  | 0.045                               | 0.047    | 91.0  | 79-112  | 4.64 20  | WG387968 |
| Total Xylene                | mg/l  | 0.151                               | 0.157    | 101.  | 84-118  | 3.73 20  | WG387968 |
| a,a,a-Trifluorotoluene(FID) |       |                                     |          | 99.94 | 62-128  |          | WG387968 |
| a,a,a-Trifluorotoluene(PID) |       |                                     |          | 108.4 | 54.8-12 |          | WG387968 |
| TPH (GC/FID) Low Fraction   | mg/l  | 5.00                                | 4.96     | 91.0  | 70-124  | 0.691 20 | WG387968 |
| a,a,a-Trifluorotoluene(FID) |       |                                     |          | 94.06 | 62-128  |          | WG387968 |
| a,a,a-Trifluorotoluene(PID) |       |                                     |          | 114.7 | 54.8-12 |          | WG387968 |

\* Performance of this Analyte is outside of established criteria.

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## Quality Assurance Report Level II

L369105

October 14, 2008

| Analyte              | Laboratory Control Sample Duplicate |        |      |      |        |      | RPD | Limit    | Batch |
|----------------------|-------------------------------------|--------|------|------|--------|------|-----|----------|-------|
|                      | Units                               | Result | Ref  | %Rec | Limit  |      |     |          |       |
| Specific Conductance | umhos                               | 540.   | 540. | 104. | 85-115 | 0.00 | 20  | WG388068 |       |
| Suspended Solids     | mg/l                                | 752.   | 808. | 97.0 | 85-115 | 7.18 | 20  | WG388028 |       |
| Ammonia Nitrogen     | mg/l                                | 8.14   | 7.96 | 109. | 85-115 | 2.24 | 20  | WG388220 |       |

| Analyte                     | Units | Matrix Spike |         |      |       | % Rec   | Limit      | Ref Samp | Batch |
|-----------------------------|-------|--------------|---------|------|-------|---------|------------|----------|-------|
|                             |       | MS Res       | Ref Res | TV   |       |         |            |          |       |
| Benzene                     | mg/l  | 6.09         | 5.20    | .05  | 89.1  | 35-147  | L368746-05 | WG387968 |       |
| Ethylbenzene                | mg/l  | 1.28         | 0.390   | .05  | 89.1  | 39-141  | L368746-05 | WG387968 |       |
| Toluene                     | mg/l  | 8.04         | 7.90    | .05  | 13.6* | 35-148  | L368746-05 | WG387968 |       |
| Total Xylene                | mg/l  | 8.07         | 6.20    | .15  | 62.2  | 33-151  | L368746-05 | WG387968 |       |
| a,a,a-Trifluorotoluene(FID) |       |              |         |      | 94.02 | 62-128  |            | WG387968 |       |
| a,a,a-Trifluorotoluene(PID) |       |              |         |      | 102.2 | 54.8-12 |            | WG387968 |       |
| TPH (GC/FID) Low Fraction   | mg/l  | 139.         | 64.0    | 5.5  | 68.0  | 58-122  | L368746-05 | WG387968 |       |
| a,a,a-Trifluorotoluene(FID) |       |              |         |      | 91.28 | 62-128  |            | WG387968 |       |
| a,a,a-Trifluorotoluene(PID) |       |              |         |      | 111.2 | 54.8-12 |            | WG387968 |       |
| Calcium                     | mg/l  | 44.6         | 33.0    | 11.3 | 103.  | 75-125  | L369105-04 | WG388137 |       |
| Copper                      | mg/l  | 1.18         | 0.00    | 1.13 | 104.  | 75-125  | L369105-04 | WG388137 |       |
| Lead                        | mg/l  | 1.14         | 0.00    | 1.13 | 101.  | 75-125  | L369105-04 | WG388137 |       |
| Magnesium                   | mg/l  | 17.1         | 6.00    | 11.3 | 98.2  | 75-125  | L369105-04 | WG388137 |       |
| Selenium                    | mg/l  | 1.07         | 0.00    | 1.13 | 94.7  | 75-125  | L369105-04 | WG388137 |       |
| Silver                      | mg/l  | 1.10         | 0.00    | 1.13 | 97.3  | 75-125  | L369105-04 | WG388137 |       |
| Zinc                        | mg/l  | 1.11         | 0.00    | 1.13 | 98.2  | 75-125  | L369105-04 | WG388137 |       |
| Ammonia Nitrogen            | mg/l  | 11.0         | 0.00    | 10   | 110.  | 80-120  | L369006-06 | WG388220 |       |

| Analyte                     | Units | Matrix Spike Duplicate |      |      |        | RPD    | Limit | Ref Samp   | Batch    |
|-----------------------------|-------|------------------------|------|------|--------|--------|-------|------------|----------|
|                             |       | MSD                    | Ref  | %Rec | Limit  |        |       |            |          |
| Benzene                     | mg/l  | 5.85                   | 6.09 | 65.1 | 35-147 | 4.02   | 20    | L368746-05 | WG387968 |
| Ethylbenzene                | mg/l  | 1.30                   | 1.28 | 91.3 | 39-141 | 1.76   | 20    | L368746-05 | WG387968 |
| Toluene                     | mg/l  | 7.83                   | 8.04 | 0*   | 35-148 | 2.66   | 20    | L368746-05 | WG387968 |
| Total Xylene                | mg/l  | 7.84                   | 8.07 | 54.7 | 33-151 | 2.84   | 20    | L368746-05 | WG387968 |
| a,a,a-Trifluorotoluene(FID) |       |                        |      |      | 94.1   | 62-128 |       |            | WG387968 |
| a,a,a-Trifluorotoluene(PID) |       |                        |      |      | 103.0  | 54.8-1 |       |            | WG387968 |
| TPH (GC/FID) Low Fraction   | mg/l  | 139.                   | 139. | 68.0 | 58-122 | 0.01   | 20    | L368746-05 | WG387968 |
| a,a,a-Trifluorotoluene(FID) |       |                        |      |      | 91.3   | 62-128 |       |            | WG387968 |
| a,a,a-Trifluorotoluene(PID) |       |                        |      |      | 111.1  | 54.8-1 |       |            | WG387968 |
| Calcium                     | mg/l  | 44.6                   | 44.6 | 103. | 75-125 | 0.00   | 20    | L369105-04 | WG388137 |
| Copper                      | mg/l  | 1.17                   | 1.18 | 104. | 75-125 | 0.85   | 20    | L369105-04 | WG388137 |
| Lead                        | mg/l  | 1.13                   | 1.14 | 100. | 75-125 | 0.88   | 20    | L369105-04 | WG388137 |
| Magnesium                   | mg/l  | 17.0                   | 17.1 | 97.3 | 75-125 | 0.58   | 20    | L369105-04 | WG388137 |
| Selenium                    | mg/l  | 1.07                   | 1.07 | 94.7 | 75-125 | 0.00   | 20    | L369105-04 | WG388137 |
| Silver                      | mg/l  | 1.10                   | 1.10 | 97.3 | 75-125 | 0.00   | 20    | L369105-04 | WG388137 |
| Zinc                        | mg/l  | 1.10                   | 1.11 | 97.3 | 75-125 | 0.90   | 20    | L369105-04 | WG388137 |
| Ammonia Nitrogen            | mg/l  | 10.4                   | 11.0 | 104. | 80-120 | 5.61   | 20    | L369006-06 | WG388220 |

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



ENVIRONMENTAL  
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Tax I.D. 62-0814289

Est. 1970

Buys and Associates, Inc - GJ, CO  
Dan Soucy  
838 Grand Avenue, Suite 100  
Grand Junction, CO 81506

Quality Assurance Report  
Level II

L369105

October 14, 2008

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Batch number /Run number / Sample number cross reference

WG387991: R495065: L369105-01 02 03 04  
WG388019: R496544: L369105-01 02 03 04  
WG387968: R496626: L369105-01 02 03 04  
WG388068: R496804: L369105-01 02 03 04  
WG388028: R496947: L369105-01 02 03 04  
WG388137: R498164: L369105-01 02 03 04  
WG388220: R499804: L369105-01 02 03 04

\* \* Calculations are performed prior to rounding of reported values .  
\* Performance of this Analyte is outside of established criteria.  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Est. 1970

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Dan Soucy  
838 Grand Avenue, Suite 100

## Quality Assurance Report Level II

Grand Junction, CO 81506

L369105

October 14, 2008

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

JOHN C. KEPHART & CO.  
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE ♦ PHONE: (970) 242-7618 ♦ FAX: (970) 243-7235 ♦ GRAND JUNCTION, COLORADO 81501

— ANALYTICAL REPORT —

Received from: Buys and Associates Buys and Associates  
Dave Diss 300 East Mineral Ave., Suite #10  
838 Grand Ave., Suite 100 Littleton, CO 80122-2655  
Grand Jct. CO 81501 303-781-8211  
970-245-0778, 270-1355, FAX 245-0330  
7295 water

Customer No. Laboratory No. Sample

10/7/08

10/9/08

Date Received Date Reported

Lab Number: 7295  
Client Sample ID: Black Diamond BD 1  
14:40 10-7-08 by CHG  
E. Coli 1 colony/100ml sample

Lab Number: 7296  
Client Sample ID: Black Diamond BD 3  
15:25 10-7-08 by CHG  
E. Coli 2 colonies/100ml sample

Lab Dir.: Brian S. Bauer

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970-245-0778, 270-1355, FAX 245-0330  
7297 water

Customer No. Laboratory No. Sample

Date Received 10/8/08 Date Reported 10/9/08

Lab Number: 7297  
Client Sample ID: Black Diamond BD 2  
11:10 10-8-08 CHG/ARS

E. Coli 4 colony/100ml sample

Lab Number: 7298  
Client Sample ID: Black Diamond BD 4  
9:45 10-8-08 by CHG/ARS

E. Coli 7 colonies/100ml sample

Lab Dir.: Brian S. Bauer