




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> United/Norwood Pit	<b>MINE/PROSPECTING ID#:</b> M-1988-037	<b>MINERAL:</b> Gravel	<b>COUNTY:</b> Montrose
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Dustin Czapla	<b>INSP. DATE:</b> June 23, 2022	<b>INSP. TIME:</b> 11:00
<b>OPERATOR:</b> Oldcastle SW Group, Inc. dba United Companies of Mesa County	<b>OPERATOR REPRESENTATIVE:</b> Jason Burkey	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$245,000.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> July 7, 2022	

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **OBSERVATIONS**

This inspection was conducted as part of the Division of Reclamation, Mining and Safety's (Division) normal monitoring program. Jason Burkey and Tyra Bartuska, representing the Operator, were present during this inspection. Photographs are included with this report in order to illustrate some of the conditions observed. Heavy rainfall occurred just prior to the inspection.

The United/Norwood Pit is located approximately 2.5 miles northeast of Norwood and accessed from County Rd 44Z N. The site is a 112c operation that includes a total of 83.3 permitted acres. The Division currently holds a financial warranty amount of \$245,000 for this site. The Division has reviewed the reclamation costs, in order to ensure the financial warranty reflects the actual current cost of fulfilling the requirements of the Reclamation Plan, and determined that the current financial warranty amount is sufficient.

Adequate mine identification signage was noted at the entrance to the site.

The affected area was marked by posts and fencing that were clearly visible and adequate to delineate the affected area boundary.

A scale, scale house, storage building and fuel storage are located near the pit entrance. Fuel was stored in adequate secondary containment. An asphalt plant is located in the central part of the pit. According to the operator the plant is not used anymore and is planned for removal in the near future.

Materials stockpiles are located throughout the pit area. Overburden is stockpiled near the eastern edge of the permit area.

Mining is progressing through the north part of the Phase 3 area into the Phase 4 area. The highwall is mined to a near vertical slope, which sloughs to approximately 1H:1V and is approximately 30 feet in height.

A water storage pond and three settling ponds are located in the Phase 1 area. The storage pond contained water during this inspection. The settling ponds were mostly dry, except for some residual moisture in the bottoms.

A stormwater berm is in place on the southside of the scale area. Runoff from the site was not observed during this inspection. The stormwater controls appear effective.

The neighboring landowner to the south, Mary Ann Gaston, has submitted a complaint to the Division. The complaint alleges the mining operation may be contributing to high levels of Total Dissolved Solids (TDS) in her well water. The inspector met with Mrs. Gaston at her property following the inspection. Mrs. Gaston's well was installed November 19, 2021. The well permit number is 322886. The well was drilled to a depth of 100 feet (7,115 feet above mean sea level (AMSL)) from a ground elevation of approximately 7,215 AMSL. Mrs. Gaston's well completion report states the ground surface at the well location is 6,960 feet AMSL but the inspector believes this to be incorrect based on GPS and topographic data. The well is located in a drainage swale that flows to the southwest from an irrigation ditch located on the slope between the gravel pit and above the well area. There is a cistern and pump located in the swale approximately ten feet up-gradient of the well. The cistern system uses shallow water that presumably seeps from the ditch. The pit floor elevation is approximately 7,240 feet AMSL near the scalehouse to 7,270 feet AMSL in the north part of the pit near the water storage pond.

Stratigraphy at the well location consists of quaternary alluvium and eolian deposits overlaying the Dakota Sandstone and Burro Canyon Formations; ref. *Tweto, Ogden, 1979, Geologic Map of Colorado: U.S. Geological Survey Special Geologic Map*. The well completion report shows the lithology of the well as: 0-30 feet (clay cobble), 30-50 feet (claystone), and 50-100 feet (sandstone). The well encountered water at 50 feet below the ground surface (~7,165 feet AMSL), in the sandstone layer. Groundwater was not observed in the gravel pit. The pit floor is still located within the alluvium layer. Seeps were not noted in any of the highwalls. The pit floor is roughly 75-105 feet higher than the encountered water level in Mrs. Gaston's well. Seeps were not noted in the slope between the gravel pit and Gaston property. Water was encountered in Mrs. Gaston's well in a sandstone layer overlain by roughly 20 feet of low permeability claystone. Based on the data available and field observations, it appears unlikely that there is a connection between the operations at the United/Norwood Pit and the water quality from Mrs. Gaston's well.

It should be noted that during the visit with Mrs. Gaston, Mrs. Gaston stated that she took the well water sample herself. In order to pursue this matter further the Division would need to see water quality results from a sample taken by a third party professional following proper chain of custody protocol.

No problems or violations were noted during this inspection.

Responses to this inspection report should be directed to Dustin Czapla at the Division of Reclamation, Mining and Safety, 1313 Sherman Street Room 215, Denver, Colorado, 80203, phone number (303) 866-3567, ext. 8188.





Sign at mine entrance



Scale house and fuel storage near mine entrance



View north from scalehouse area



View east from scalehouse area



View west from south side of Phase 2 area



View north from south side of Phase 2 area





View east from south side of Phase 2 area



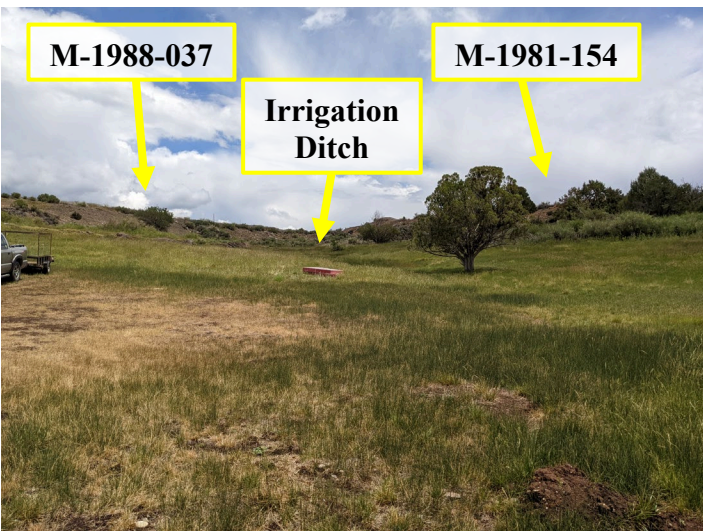
Asphalt plant planned for removal



Water storage pond



Settling pond



Swale on Mrs. Gaston's property viewed from well location



Cistern system at well location





Well head



**Inspection Contact Address**

Jason Burkey  
Oldcastle SW Group, Inc. dba United Companies of Mesa County  
2273 River Road  
Grand Junction, CO 81502

**Enclosure:**

Gaston Well 322886 Completion Report  
Gaston Well Water Quality Data (Green Analytical Laboratories, February 9, 2022)

**CC:**

Mary Ann Gaston  
1280 CR 442 N  
Norwood, CO 81423

[illegible]

## INSTRUCTIONS FOR WELL CONSTRUCTION AND YIELD ESTIMATE REPORT

This report must be computer generated online, typed or printed in **BLACK OR BLUE INK** and may be reproduced by photocopy or computer generation. Photocopy reproductions must retain margins and print quality. Attach additional sheets if more space is required. Each additional sheet must be identified at the top by the well owner's name, the permit number, form name/number and a sequential page number. Report depths in feet below ground surface. If filing online please see the [Form Submittal, Payment Options, & Fee Schedule](#). You may also save, print and email the completed form to: [dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us)

The form must be submitted to the State Engineer's Office within 60 days after completing the well or 7 days after the permit expiration date, whichever is earlier. A copy of the form must be provided to the well owner.

### **Item Instructions:** (numbers correspond with those on the front of this form)

1. Complete the well permit and receipt number.
2. Provide the identification (owner's well designation) for the well.
3. Fill in well owner name.
4. Provide the street address where the well is located.
5. Provide the GPS location where the well was drilled (required field).  
  
Colorado contains two (2) UTM zones. Zone 13 covers most of Colorado. The boundary between Zone 12 and Zone 13 is the 108<sup>th</sup> Meridian (longitude). West of the 108<sup>th</sup> Meridian is UTM Zone 12 and east of the 108<sup>th</sup> Meridian is UTM Zone 13. The 108<sup>th</sup> Meridian is approximately 57 miles east of the Colorado-Utah state line. On most GPS units, the UTM zone is given as part of the Easting measurement, e.g. 12T0123456. Check the appropriate box for the zone.
6. Complete the legal description location of the well and county. For wells located in subdivisions, the name, lot, block, and filing, must be provided.
7. Report the ground surface elevation in feet above sea level if available. This value may be obtained from a topographic map. Provide the date the well was completed and describe the drilling method used to construct the well.
8. Indicate the aquifer in which the well was completed, the total depth drilled, and the actual completed depth of the well.
9. Indicate whether or not the well inspection team was required to be notified prior to construction. If required, provide the date notification was given. See <https://dwr.colorado.gov/services/well-construction-inspection> for more information on Notifications.
10. Check the box indicating the type aquifer in which the well is completed (See Rule 5.2.2 Well Construction Rules).
11. Fully describe the materials encountered in drilling. Do not use formation names unless they are in conjunction with a description of materials. Examples of descriptive terms include:  
**Type** - sandstone, sand, etc.  
**Grain size** - Boulders, gravel, sand, silt, clay, etc.  
**Color** - Denote for all materials, most critical in sedimentary rock  
**Water Location** - Depth where water is encountered (if it can be determined)
12. Provide the diameters of the drilled borehole.
13. The outside diameter, type, wall thickness, and interval of plain and perforated casing lengths must be indicated. For perforated casing, the screen size must be indicated.
14. Indicate the material and size of filter pack (e.g. sand, gravel, etc.) and the interval where placed.
15. Indicate the type and setting depth for any packers installed.
16. The material, amount, and interval of the grout slurry must be reported. Density may be indicated as pounds per gallon, gallons of water per sack, total gallons of water used, or number of sacks used, etc. Specify the grout placement method, i.e. tremie pipe or positive placement. The percentage of additives mixed with the grout should be reported under remarks.
17. Record the type and the amount of disinfection used, how placed, and the length of time left in the hole.
18. Report Well Yield Estimate data as required by Rule 17.1.1. Spaces are provided to report all estimates made during the assessment. The report should show that the estimate complied with the provisions of the rules. If available, report clock time when measurements were taken. If an estimate was not performed, explain when it will be done. A full Well Yield Test may be performed instead of an estimate; if so, check the appropriate box and submit the data on form GWS-39.
19. Fill in Company Name, Email, and Address and License Number (or PE/PG) of the Individual who is responsible for the well construction. The licensed contractor or authorized individual responsible for the construction of the well must sign or if filing online, enter his/her name on the report. If filing online the State Engineer considers the entering of the licensed contractors name on the form to be a certification of accuracy and truthfulness in compliance with Rule 17.4 of the Water Well Construction Rules and Regulations, 2 CCR 402-2.  
**Rule 17.4 Certification** - Work reports must be signed and certified as to accuracy and truthfulness of the information on the report by the well construction or pump installation contractors or authorized individuals responsible for the work performed by them or under their direction or supervision, or by the private driller or private pump installer if the work was performed by them. Such reports are deemed to be completed, signed and certified under oath.

Submit completed report to: State of Colorado, Office of the State Engineer, 1313 Sherman St, Room 821, Denver, CO 80203. You may also save, print, scan and email the completed form to [dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us)

**IF YOU HAVE ANY QUESTIONS** regarding any item on this form, please call the Division of Water Resources Ground Water Information Desk (303-866-3587), or the nearest Division of Water Resources Field Office located in Greeley (970-352-8712), Pueblo (719-542-3368), Alamosa (719-589-6683), Montrose (970-249-6622), Glenwood Springs (970-945-5665), Steamboat Springs (970-879-0272), or Durango (970-247-1845), or refer to our web site at [dwr.colorado.gov](http://dwr.colorado.gov) for general information, forms, online filing instructions and access to state rules and statutes.





February 22, 2022

Jason Burkey  
Oldcastle SW Group, Inc. dba  
United Companies of Mesa County  
2273 River Road  
Grand Junction, CO 81505

**Re: United/Norwood Pit, Permit No. M-1988-037, Notice of Complaint**

Mr. Burkey,

On Wednesday February 16, 2022 the Division of Reclamation, Mining and Safety (Division) received a citizen complaint regarding possible groundwater contamination. The complaint alleges the contamination of the privately owned well is a result of the nearby gravel operations including the United Pit, Permit No. M-1988-037 and the Norwood Pit, Permit No. M-1981-154. The complaint included analytic sample results (enclosed) performed by Green Analytical in Durango, CO.

Please review the enclosed water quality information, prepare and submit a response, in writing, to the Division to address these allegations. If you have questions or concerns, please contact me.

Sincerely,

**Dustin Czapla**  
Environmental Protection Specialist  
Division of Reclamation, Mining and Safety  
Phone: (303) 866-3567, ext. 8188  
dustin.czapla@state.co.us

Encl: Water Quality Sample Results, Green Analytical

Cc: Travis Marshall, DRMS





75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
970.247.4227 Fax  
[www.greenanalytical.com](http://www.greenanalytical.com)

09 February 2022

Mary Ann Gaston  
Gaston, Mary Ann  
1280 CR 442 N  
Norwood, CO 81423  
RE: Pkg 1

Enclosed are the results of analyses for samples received by the laboratory on 02/01/22 12:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'. The signature is written in a cursive, flowing style.

Debbie Zufelt  
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-22-13

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-21-14





dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Gaston, Mary Ann  
1280 CR 442 N  
Norwood CO, 81423

Project: Pkg 1  
Project Name / Number: New Well 60' -100'  
Project Manager: Mary Ann Gaston

Reported:  
02/09/22 12:01

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Water Faucet	2202018-01	Water	01/31/22 14:00	02/01/22 12:50	

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Gaston, Mary Ann  
1280 CR 442 N  
Norwood CO, 81423

Project: Pkg 1  
Project Name / Number: New Well 60' -100'  
Project Manager: Mary Ann Gaston

Reported:  
02/09/22 12:01

### Water Faucet

#### 2202018-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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#### General Chemistry

Alkalinity, Bicarbonate as CaCO <sub>3</sub> *	484	10.0	2.27	mg/L	2	02/03/22 09:20	2320 B		VJW
Alkalinity, Carbonate as CaCO <sub>3</sub> *	<10.0	10.0	2.27	mg/L	2	02/03/22 09:20	2320 B		VJW
Alkalinity, Hydroxide as CaCO <sub>3</sub> *	<10.0	10.0	2.27	mg/L	2	02/03/22 09:20	2320 B		VJW
Alkalinity, Total as CaCO <sub>3</sub> *	484	10.0	2.27	mg/L	2	02/03/22 09:20	2320 B		VJW
Chloride*	171	5.00	0.152	mg/L	5	02/07/22 13:13	EPA300.0		AES
Conductivity*	5140	1.00		umho/cm @ 25.0°C	1	02/02/22 13:35	2510 B		VJW
Fluoride*	<0.500	0.500	0.0486	mg/L	5	02/07/22 13:13	EPA300.0		AES
pH*	7.22			pH Units	1	02/02/22 13:35	EPA150.1		VJW
pH Temperature, degrees C	19.4			pH Units	1	02/02/22 13:35	EPA150.1		VJW
Total Dissolved Solids*	4860	10.0		mg/L	1	02/02/22 11:35	EPA160.1		VJW
Sulfate*	2570	100	12.4	mg/L	100	02/07/22 19:41	EPA300.0		AES

#### Total Recoverable Metals by ICP (E200.7)

Calcium*	515	0.500	0.192	mg/L	5	02/08/22 18:02	EPA200.7		AES
Iron*	8.99	0.250	0.189	mg/L	5	02/08/22 18:02	EPA200.7		AES
Magnesium*	344	0.500	0.148	mg/L	5	02/08/22 18:02	EPA200.7		AES
Hardness	2700	3.31	1.09	mg/L	5	02/08/22 18:02	2340 B		AES
Potassium*	15.4	5.00	0.888	mg/L	5	02/08/22 18:02	EPA200.7		AES
Sodium*	432	5.00	0.380	mg/L	5	02/08/22 18:02	EPA200.7		AES
Strontium*	10.7	0.500	0.091	mg/L	5	02/08/22 18:02	EPA200.7		AES

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Gaston, Mary Ann  
1280 CR 442 N  
Norwood CO, 81423

Project: Pkg 1  
Project Name / Number: New Well 60'-100'  
Project Manager: Mary Ann Gaston

Reported:  
02/09/22 12:01

### General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B220312 - General Prep - Wet Chem

##### Blank (B220312-BLK1)

Prepared &amp; Analyzed: 02/02/22

Total Dissolved Solids	ND	10.0	mg/L
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##### Duplicate (B220312-DUP1)

Source: 2202001-01

Prepared &amp; Analyzed: 02/02/22

Total Dissolved Solids	1080	10.0	mg/L	1080	0.918	20
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##### Reference (B220312-SRM1)

Prepared &amp; Analyzed: 02/02/22

Total Dissolved Solids	635	10.0	mg/L	600	106	85-115
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#### Batch B220314 - General Prep - Wet Chem

##### Blank (B220314-BLK1)

Prepared: 02/02/22 Analyzed: 02/03/22

Alkalinity, Bicarbonate as CaCO <sub>3</sub>	ND	10.0	mg/L
Alkalinity, Carbonate as CaCO <sub>3</sub>	ND	10.0	mg/L
Alkalinity, Hydroxide as CaCO <sub>3</sub>	ND	10.0	mg/L
Alkalinity, Total as CaCO <sub>3</sub>	ND	10.0	mg/L

##### LCS (B220314-BS1)

Prepared: 02/02/22 Analyzed: 02/03/22

Alkalinity, Bicarbonate as CaCO <sub>3</sub>	104	10.0	mg/L	100	104	85-115
Alkalinity, Carbonate as CaCO <sub>3</sub>	ND	10.0	mg/L			85-115
Alkalinity, Hydroxide as CaCO <sub>3</sub>	ND	10.0	mg/L			85-115
Alkalinity, Total as CaCO <sub>3</sub>	104	10.0	mg/L	100	104	85-115

##### LCS Dup (B220314-BSD1)

Prepared: 02/02/22 Analyzed: 02/03/22

Alkalinity, Bicarbonate as CaCO <sub>3</sub>	103	10.0	mg/L	100	103	85-115	0.966	20
Alkalinity, Carbonate as CaCO <sub>3</sub>	ND	10.0	mg/L			85-115		20
Alkalinity, Hydroxide as CaCO <sub>3</sub>	ND	10.0	mg/L			85-115		20
Alkalinity, Total as CaCO <sub>3</sub>	103	10.0	mg/L	100	103	85-115	0.966	20

#### Batch B220321 - General Prep - Wet Chem

##### Duplicate (B220321-DUP1)

Source: 2202018-01

Prepared &amp; Analyzed: 02/02/22

pH	7.27	pH Units	7.22	0.690	20
pH Temperature, degrees C	19.6	pH Units	19.4	1.03	200

##### Reference (B220321-SRM1)

Prepared &amp; Analyzed: 02/02/22

pH	7.00	pH Units	7.00	100	98.57-101.42
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#### Batch B220322 - General Prep - Wet Chem

##### Duplicate (B220322-DUP1)

Source: 2202018-01

Prepared &amp; Analyzed: 02/02/22

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Gaston, Mary Ann  
1280 CR 442 N  
Norwood CO, 81423

Project: Pkg 1  
Project Name / Number: New Well 60'-100'  
Project Manager: Mary Ann Gaston

Reported:  
02/09/22 12:01

**General Chemistry - Quality Control  
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B220322 - General Prep - Wet Chem (Continued)**

**Duplicate (B220322-DUP1) (Continued)**

Source: 2202018-01 Prepared & Analyzed: 02/02/22

Conductivity	5150	1.00	umho/cm @ 25.0°C	5140	0.194	20
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**Reference (B220322-SRM1)**

Prepared & Analyzed: 02/02/22

Conductivity	1030	1.00	umho/cm @ 25.0°C	1000	103	90-110
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**Batch B220338 - IC- Ion Chromatograph**

**Blank (B220338-BLK1)**

Prepared: 02/04/22 Analyzed: 02/07/22

Chloride	ND	1.00	mg/L
Fluoride	ND	0.100	mg/L
Sulfate	ND	1.00	mg/L

**LCS (B220338-BS1)**

Prepared: 02/04/22 Analyzed: 02/07/22

Chloride	24.8	1.00	mg/L	25.0	99.3	90-110
Fluoride	2.42	0.100	mg/L	2.50	97.0	90-110
Sulfate	23.6	1.00	mg/L	25.0	94.3	90-110

**LCS Dup (B220338-BSD1)**

Prepared: 02/04/22 Analyzed: 02/07/22

Chloride	24.7	1.00	mg/L	25.0	98.9	90-110	0.404	20
Fluoride	2.42	0.100	mg/L	2.50	96.7	90-110	0.248	20
Sulfate	23.5	1.00	mg/L	25.0	94.2	90-110	0.191	20

Green Analytical Laboratories

*Debbie Zufelt*

Debbie Zufelt, Reports Manager

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Gaston, Mary Ann  
1280 CR 442 N  
Norwood CO, 81423

Project: Pkg 1  
Project Name / Number: New Well 60' -100'  
Project Manager: Mary Ann Gaston

Reported:  
02/09/22 12:01

**Total Recoverable Metals by ICP (E200.7) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B220346 - Total Rec. 200.7/200.8/200.2****Blank (B220346-BLK1)**

Prepared: 02/07/22 Analyzed: 02/08/22

Calcium	ND	0.100	mg/L
Iron	ND	0.050	mg/L
Magnesium	ND	0.100	mg/L
Potassium	ND	1.00	mg/L
Sodium	ND	1.00	mg/L
Strontium	ND	0.100	mg/L

**LCS (B220346-BS1)**

Prepared: 02/07/22 Analyzed: 02/08/22

Calcium	1.92	0.100	mg/L	2.00	95.8	85-115
Iron	1.88	0.050	mg/L	2.00	94.2	85-115
Magnesium	9.78	0.100	mg/L	10.0	97.8	85-115
Potassium	3.95	1.00	mg/L	4.00	98.8	85-115
Sodium	1.58	1.00	mg/L	1.62	97.3	85-115
Strontium	1.89	0.100	mg/L	2.00	94.5	85-115

**LCS Dup (B220346-BSD1)**

Prepared: 02/07/22 Analyzed: 02/08/22

Calcium	1.86	0.100	mg/L	2.00	93.2	85-115	2.71	20
Iron	1.85	0.050	mg/L	2.00	92.5	85-115	1.79	20
Magnesium	9.60	0.100	mg/L	10.0	96.0	85-115	1.91	20
Potassium	3.84	1.00	mg/L	4.00	95.9	85-115	2.98	20
Sodium	1.52	1.00	mg/L	1.62	93.9	85-115	3.52	20
Strontium	1.88	0.100	mg/L	2.00	94.0	85-115	0.529	20

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
\*Results reported on as received basis unless designated as dry.  
RPD Relative Percent Difference  
LCS Laboratory Control Sample (Blank Spike)  
RL Report Limit  
MDL Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Livestock water  
 Household drinking  
 Plant Irrigation  
 C  
 dzuleit@greenanalytical.com

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Sodium

Sulfate

**Re: Relinquished Date and Time**

Mary Ann Gaston <mgaston10@gmail.com>

Wed 2/2/2022 10:57 AM

To: Green Analytical <receiving@greenanalytical.com>

I relinquished my well water sample on Monday, January 31, 2022 at a UPS shipping site at Norwood Hardware in Norwood, CO

Mary Ann Gaston

PO BOX 191, Norwood, CO 81423

970-708-0001

On Wed, Feb 2, 2022 at 10:52 AM Mary Ann Gaston <mgaston10@gmail.com> wrote:

I thought you were sending me a form to sign. Please let me know.

Mary Ann

On Wed, Feb 2, 2022 at 9:15 AM Green Analytical <receiving@greenanalytical.com> wrote:

Hello. If you could send an email, that we talked about on the phone yesterday, stating that you Relinquished the Samples to UPS on the date and time would be great!

Thank you!

Linda Gumper

Green Analytical Laboratories

75 Suttle St, Durango, CO 81303

(970)247-4220