

**TABLE 1**  
**WATER WELL SAMPLE RESULTS**  
**Permit #47218-F (Well #2)**  
**Fort Lupton, Colorado**  
**Sample ID: Martin 47218-F, Sample Date: 3/4/2024**

Analyte	Result	Units	Regulatory Limit
Alkalinity, Bicarbonate	508	mg/L	n/a
Alkalinity, Carbonate	30.0	mg/L	n/a
Alkalinity, Total	538	mg/L	n/a
Bacteria, Iron Related	140,000	CFU/mL	n/a
Bacteria, Slime Forming	67,000	CFU/mL	n/a
Bacteria, Sulfate Reducing	1,400	CFU/mL	n/a
Barium	0.0558	mg/L	2
Benzene	ND	µg/L	5
Boron	0.394	mg/L	0.75
Bromide	0.62	mg/L	n/a
Calcium	1.68	mg/L	n/a
Chloride	63.1	mg/L	250
Diesel Range Organics	ND <sub>J</sub>	mg/L	n/a
Ethane	0.0173	mg/L	n/a
Ethylbenzene	ND	µg/L	700
Fluoride	1.7	mg/L	2.0
Gasoline Range Organics	ND	mg/L	n/a
Iron	0.118	mg/L	0.3
Magnesium	0.454	mg/L	n/a
Manganese	0.0081	mg/L	0.05
Methane	7.27	mg/L	n/a
Nitrogen, Nitrate	ND	mg/L	10
Nitrogen, Nitrite	ND	mg/L	1
pH	8.60	Standard Units	6.5-8.5
Phosphorus, Total	0.078	mg/L	n/a
Propane	ND	mg/L	n/a
Potassium	1.52	mg/L	n/a
Selenium	ND	mg/L	0.02
Sodium	295	mg/L	n/a
Specific Conductivity	1,650	µmhos/cm	n/a
Strontium	0.0713	mg/L	n/a
Sulfate	ND	mg/L	250
Toluene	ND	µg/L	1,000
Total Dissolved Solids	914	mg/L	500
Xylene, Total	ND	µg/L	10,000

Notes:

ND = Not detected above method reporting limit

J = Result detected above minimum detection level but below method reporting limit

Lab qualifiers (i.e. letters next to result) are defined in the lab report

n/a = regulatory limit not available for the analyte

**TABLE 2**  
**WATER WELL SAMPLE ISOTOPIC ANALYSIS RESULTS**  
**Permit #47218-F (Well #2)**  
**Fort Lupton, Colorado**  
**Sample ID: Martin 47218-F, Sample Date: 3/4/2024**

Analyte	Result	Units <sup>a</sup>	Regulatory Limit
$\delta\text{D}$ of water	-102.0	‰ relative to VSMOW	n/a
$\delta^{18}\text{O}$ of water	-13.48	‰ relative to VSMOW	n/a
Tritium content of water	na	‰	n/a
$\delta^{13}\text{C}$ of DIC	-9.7	‰ relative to VPDB	n/a
$^{14}\text{C}$ content of DIC	na	‰	n/a
$\delta^{15}\text{N}$ of nitrate	na	‰	n/a
$\delta^{18}\text{O}$ of nitrate	na	‰	n/a
$\delta^{34}\text{S}$ of sulfate	na	‰	n/a
$\delta^{18}\text{O}$ of sulfate	na	‰	n/a

Notes:

Isotopic analysis conducted at Isotech Laboratories Inc.

n/a = regulatory limit not available for the analyte

na = not analyzed

**TABLE 3**  
**WATER WELL SAMPLE ISOTOPIC ANALYSIS RESULTS**  
**Permit #47218-F (Well #2)**  
**Fort Lupton, Colorado**  
**Sample ID: Martin 47218-F, Sample Date: 3/4/2024**

Analyte	Result	Units <sup>a</sup>	Regulatory Limit
Carbon Monoxide	nd	mol %	n/a
Helium	na	mol %	n/a
Hydrogen	nd	mol %	n/a
Argon	0.764 (0.59 mg/L)	mol %	n/a
Oxygen	4.72	mol %	n/a
Nitrogen	37.98 (19 mg/L)	mol %	n/a
Carbon Dioxide	0.79	mol %	n/a
Methane	55.64 (17 mg/L)	mol %	n/a
Ethane	0.0934 (0.057 mg/L)	mol %	n/a
Ethylene	nd	mol %	n/a
Propane	0.0085 (0.0074 mg/L)	mol %	n/a
Propylene	nd	mol %	n/a
Iso-butane	0.0005	mol %	n/a
N-butane	0.0016	mol %	n/a
Iso-pentane	nd	mol %	n/a
N-pentane	nd	mol %	n/a
Hexanes +	nd	mol %	n/a

Notes:

Isotopic analysis conducted at Isotech Laboratories, Inc.

<sup>a</sup> Chemical compositions are normalized to 100% (Mol. % is approximately equal to Vol. %). Additional information provided in attached lab report n/a = regulatory limit not available for the analyte

nd = Not detected above method reporting limit

na = Not analyzed

n/a = regulatory limit not available for the analyte