



FIGURES

Figure 1: Groundwater Analytical Map (08/12/24)

Figure 2: Groundwater Elevation Map (08/12/24)

LEGEND

- WATER VAULT ASSESSMENT BOUNDARIES
- MONITORING WELL LOCATIONS

PARAMETERS

GROUNDWATER SAMPLE LOCATION
DATE
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)
N = NAPHTHALENE (µg/L)
1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE (µg/L)
1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE (µg/L)
B(a)P = Benzo(a)Pyrene
C = CHLORIDE (mg/L)
S = SULFATE (mg/L)
TDS = TOTAL DISSOLVED SOLIDS (mg/L)

µg/L = MICROGRAMS PER LITER
mg/L = MILLIGRAMS PER LITER

NOTES:
GROUNDWATER SAMPLES WERE COLLECTED 08/12/24.

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE THE LABORATORY REPORTING LIMIT

VALUES PRESENTED WITH AN ASTERISK SYMBOL (*) INDICATE LABORATORY MINIMUM DETECTION LIMITS IN EXCESS OF ECMC TABLE 915-1 REGULATORY LIMITS

VALUES PRESENTED IN **BOLD** EXCEED THE ECMC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

GROUNDWATER ANALYTICAL MAP (08/12/24)

LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE¼ SW¼ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
REMEDATION # 23570

FIGURE NO.
1

DRAWN BY:
RS



EAGLE
ENVIRONMENTAL
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8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449

MW-01
08/12/24
B = 1.30
T = <1.00
E = <1.00
X = 13.2
N = <2.00
1,2,4-TMB = 2.12
1,3,5-TMB = <2.00
B(a)P = <0.500*
C = 106
S = 307
TDS = 834

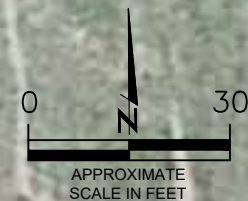
MW-06
08/12/24
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
B(a)P = <0.500*
C = 110
S = 325
TDS = 956

MW-02
08/12/24
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
B(a)P = <0.500*
C = 105
S = 306
TDS = 920

MW-03
08/12/24
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
B(a)P = <0.500*
C = 105
S = 305
TDS = 904

MW-05
08/12/24
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
B(a)P = <0.500*
C = 105
S = 305
TDS = 904

MW-04
08/12/24
B = <1.00
T = <1.00
E = <1.00
X = <1.00
N = <2.00
1,2,4-TMB = <2.00
1,3,5-TMB = <2.00
B(a)P = <0.500*
C = 99.5
S = 281
TDS = 834



LEGEND

WATER VAULT ASSESSMENT BOUNDARIES

MONITORING WELL LOCATIONS

(89.25)

RELATIVE GROUNDWATER ELEVATION (FT.)

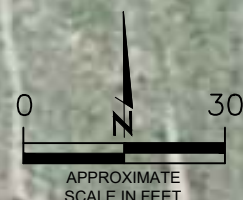
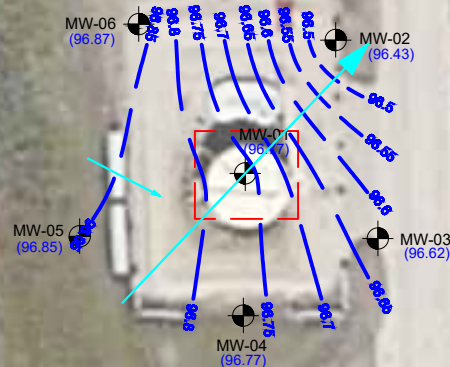
INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)

APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET


NOTE:
GROUNDWATER ELEVATION DATA WAS COLLECTED ON 08/12/24.

BACKGROUND: GOOGLE EARTH AERIAL IMAGERY JUNE 2016



GROUNDWATER CONTOUR MAP
(08/12/24)

LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395146 / -104.536147
SE¼ SW¼ SEC.15 T5N R64W 6PM
WELD COUNTY, COLORADO
REMEDATION # 23570

FIGURE NO. 2	 <div> <div>EAGLE</div> <div>ENVIRONMENTAL CONSULTING, LLC</div> <div>8000 W 44th Ave, Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</div> </div>
DRAWN BY: RS	



TABLES

Table 1: Summary of Groundwater Elevation Data and Organic Chemistry Data

Table 2: Summary of Inorganic Groundwater Chemistry Data

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethyl- Benzene (µg/L)	1,3,5- Trimethyl- Benzene (µg/L)	Benzo(a)anthr acene (µg/L)	TOC Elevation (ft)	Depth to Groundwater Below TOC (ft)	Depth to Groundwater Below Ground Surface (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67	0.011					
MW-01	05/02/24	8.62	1.82	54.4	375	8.61	168	76.1	NA	99.82	1.58	1.58	98.24	NP
	08/12/24	1.30	<1.00	<1.00	13.2	<2.00	2.12	<2.00	<0.500*		3.05	3.05	96.77	NP
MW-02	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	100	1.68	1.68	98.32	NP
	08/12/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.500*		3.57	3.57	96.43	NP
MW-03	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	99.83	1.66	1.66	98.17	NP
	08/12/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.500*		3.21	3.21	96.62	NP
MW-04	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	99.58	1.40	1.40	98.18	NP
	08/12/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.500*		2.81	2.81	96.77	NP
MW-05	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	99.37	1.08	1.08	98.29	NP
	08/12/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.500*		2.52	2.52	96.85	NP
MW-06	05/02/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	NA	99.99	1.50	1.50	98.49	NP
	08/12/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.500*		3.12	3.12	96.87	NP

1. Bold values exceed the ECMC limit(s)

2. Red highlighted groundwater analytical values indicate a regulatory exceedance

* Indicates laboratory minimum detection limit in excess of Table 915-1 Limits

NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed



TABLE 2
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
LOUSTELET T5N-R64W-S15 L01 TANK BATTERY
HISTORICAL RELEASE
40.395041 / -104.536099
SE¼ SW¼ S15 T5N R64W
WELD COUNTY, COLORADO
LOCATION ID 447669
REM # 23570

Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
MW-1	5/2/24	894	140	402
	8/12/24	834	106	307
MW-02	5/2/24	948	144	445
	8/12/24	920	105	306
MW-03	5/2/24	844	129	372
	8/12/24	904	105	305
MW-04	5/2/24	868	131	384
	8/12/24	834	99.5	281
MW-05	5/2/24	900	130	378
	8/12/24	904	105	305
MW-06	5/2/24	876	134	379
	8/12/24	956	110	325
Background Concentration (Current)		1130	163	473

1. Bold values exceed the ECMC limit(s)

2. Blue highlighted groundwater analytical values indicate a regulatory exceedance

NP - No measurable LNAPL, NA - Not Analyzed, INA - Inaccessible, IW - Insufficient Water, DES - Destroyed

