



FIGURES

Figure 1: Topographic Site Location Map

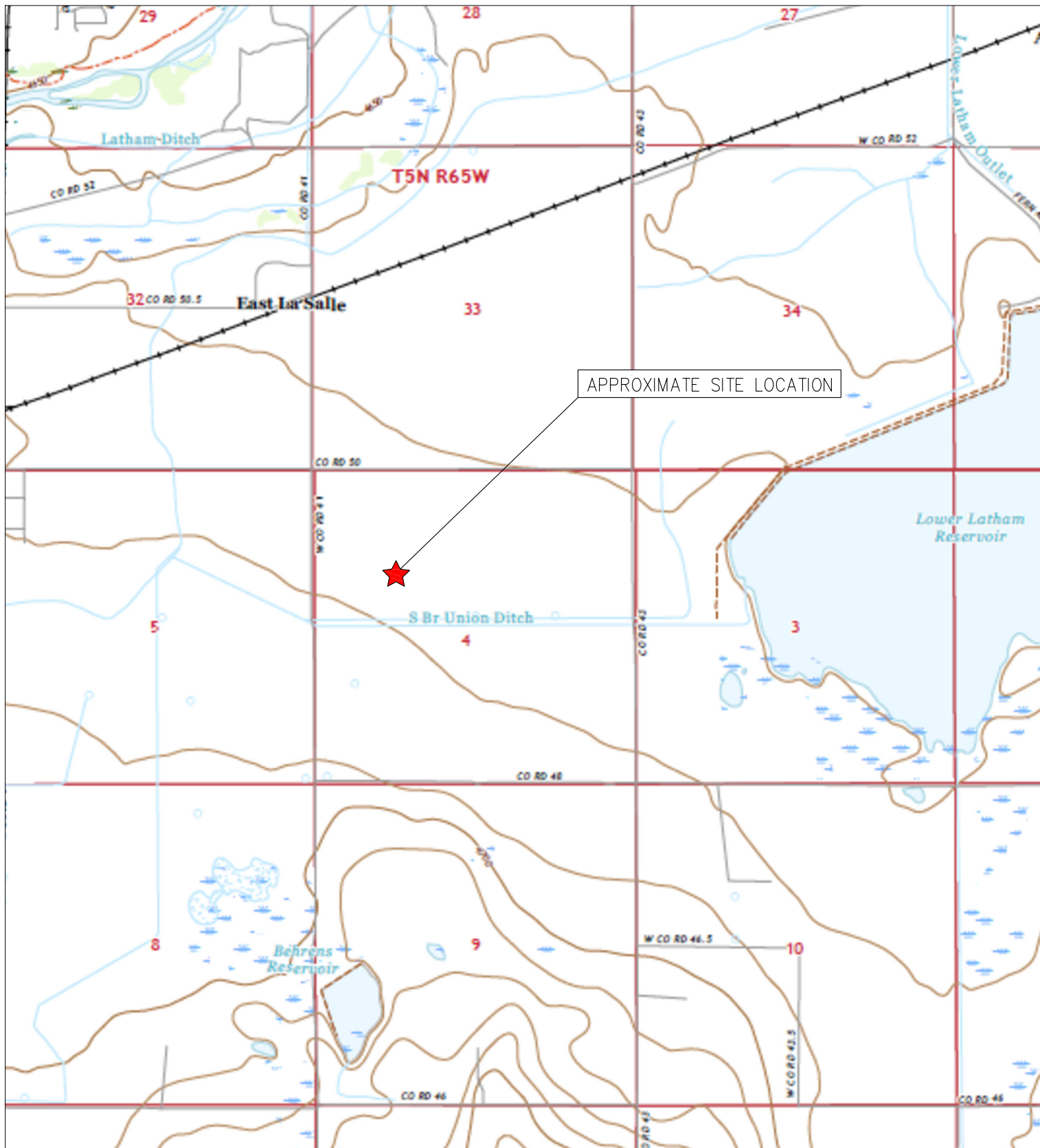
Figure 2: Aerial Site Location Map

Figure 3: Monitoring Well Soil Analytical Map

Figure 4: Monitoring Well Polycyclic Aromatic Hydrocarbons in Soil Map

Figure 5: Groundwater Analytical Map (10/16/23)

Figure 6: Groundwater Elevation Map (10/16/23)

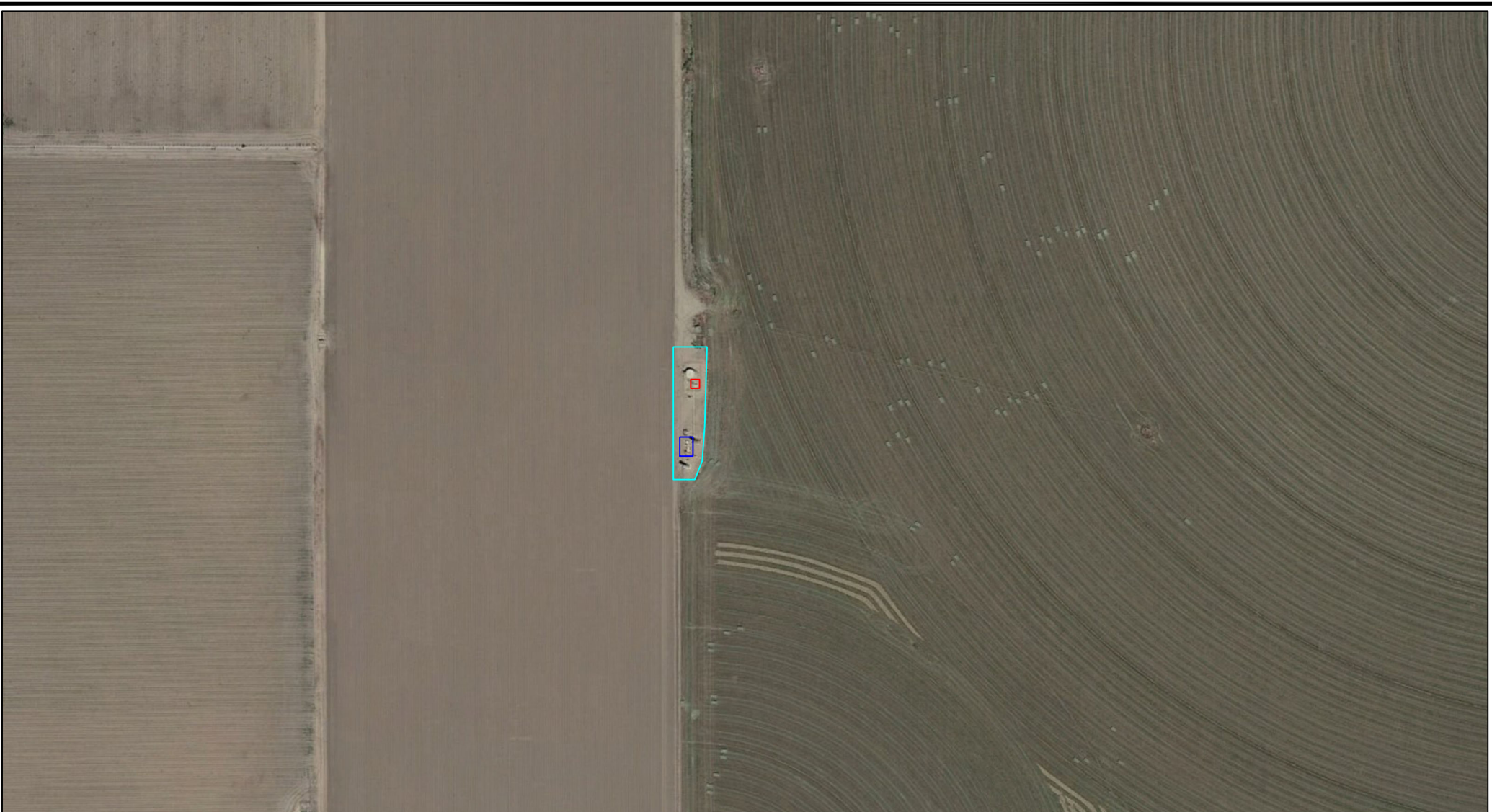


TOPOGRAPHIC SITE LOCATION MAP
 WALKER T4N-R65W-S4 TANK BATTERY
 HISTORICAL RELEASE
 40.343584 / -104.672859
 SE¼ NW¼ SEC.4 T4N R65W 6PM
 WELD COUNTY, COLORADO
 LOCATION ID 306446
 REMEDIATION # 21615






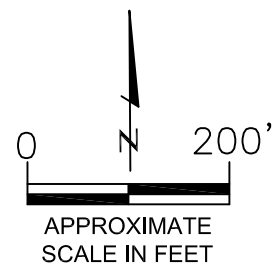
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 ENVIRONMENTAL
 CONSULTING, LLC

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LEGEND

-  FORMER WALKER T4N-R65W-S4 TANK BATTERY (DECOMMISSIONED)
-  APPROXIMATE WATER VAULT LOCATION (REMOVED)
-  SEPARATOR CONTAINMENT AREA (DECOMMISSIONED)



AERIAL SITE LOCATION MAP
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE¼ NW¼ SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

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FIG. NO.
2



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MW-02@5-7.5'
04/18/23
5-7.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

MW-07@2.5-5'
10/09/23
2.5-5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

MW-08@2.5-5'
10/09/23
2.5-5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

MW-03@5-7.5'
04/18/23
5-7.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = 0.742
D = 53.1
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

MW-06@5-7.5'
04/18/23
5-7.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

MW-04@5-7.5'
04/18/23
5-7.5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

MW-01@5-7.5'
04/18/23
5-7.5'
B = **0.00318***
T = <0.00200
E = 0.0904
X = 0.717
G = 13.0
D = 97.7
R = <100
1,2,4-TMB = **0.240***
1,3,5-TMB = **0.200***

MW-05@2.5-5'
04/18/23
2.5-5'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200

MW-07

MW-08

MW-03

MW-02

MW-06

MW-05

MW-04

MW-01

WV-SS-04

WV-SS-01

WV-SS-02

WV-SS-03

WV-FS-01

LEGEND

- INITIAL VAULT ASSESSMENT BOUNDARIES
- PREVIOUS SOIL SAMPLE LOCATIONS ABOVE ECMC TABLE 915-1 REGULATORY LIMITS
- ⊗ MONITORING WELL LOCATIONS

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)
B = BENZENE (mg/kg)
T = TOLUENE (mg/kg)
E = ETHYLBENZENE (mg/kg)
X = TOTAL XYLENES (mg/kg)
G = TPH-GRO (mg/kg)
D = TPH-DRO (mg/kg)
R = TPH-RRO (mg/kg)
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM
mg/L = MILLIGRAMS PER LITER
mmhos/cm = MILLIMHOS PER CENTIMETER

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

NOTES:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY DETECTION LIMITS.

VALUES PRESENTED IN **BOLD** EXCEED ECMC TABLE 915-1 REGULATORY LIMITS.

VALUES PRESENTED WITH ASTERISK (*) EXCEED ECMC TABLE 915-1 PROTECTION OF GROUNDWATER SOIL SCREENING LEVELS FOR THAT COMPOUND.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

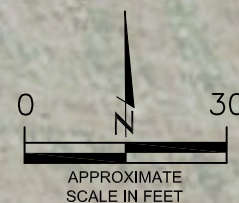
MONITORING WELL SOIL ANALYTICAL MAP
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584/ -104.672859
SE¼ NW¼ SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

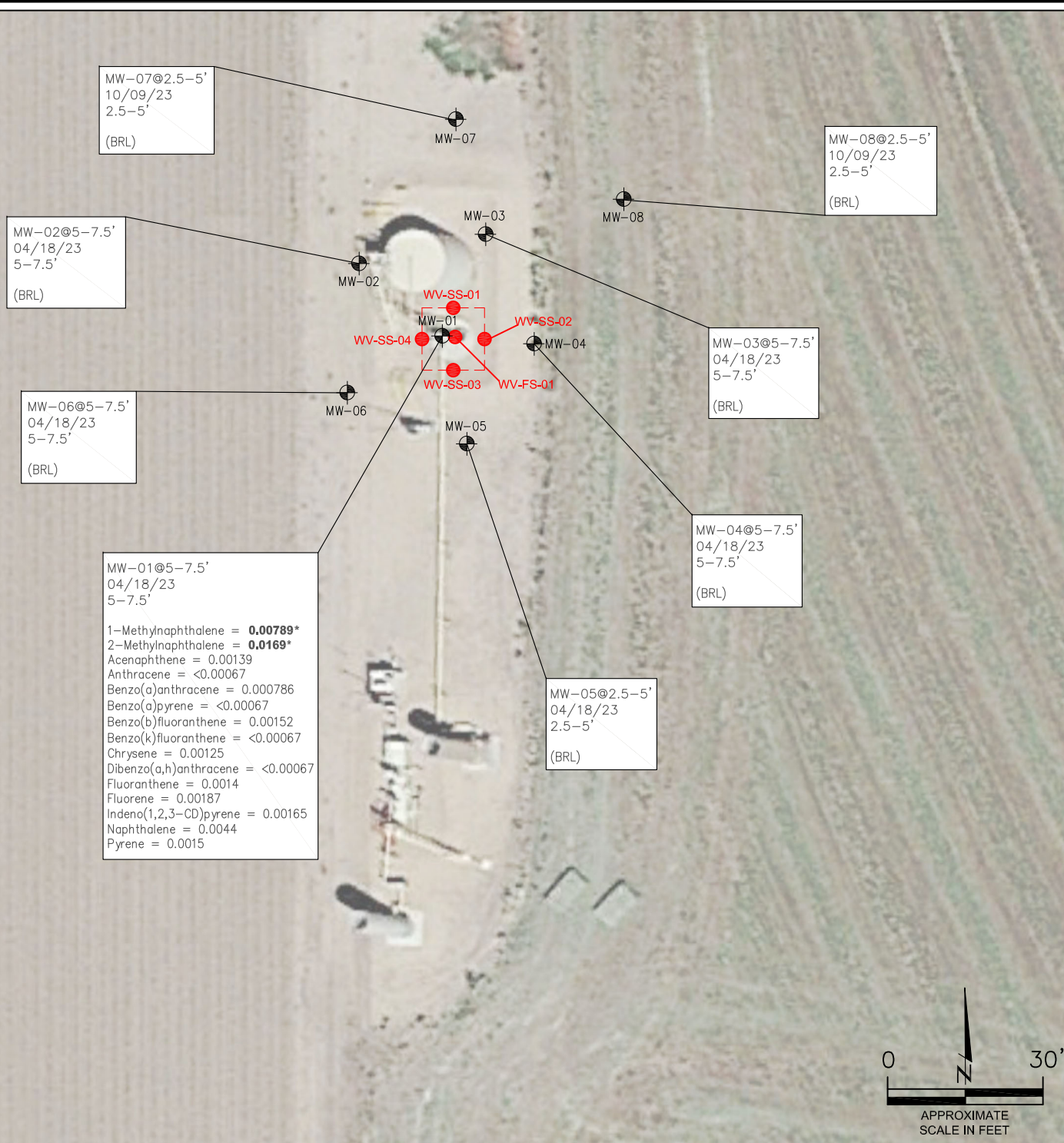
FIGURE NO.
3

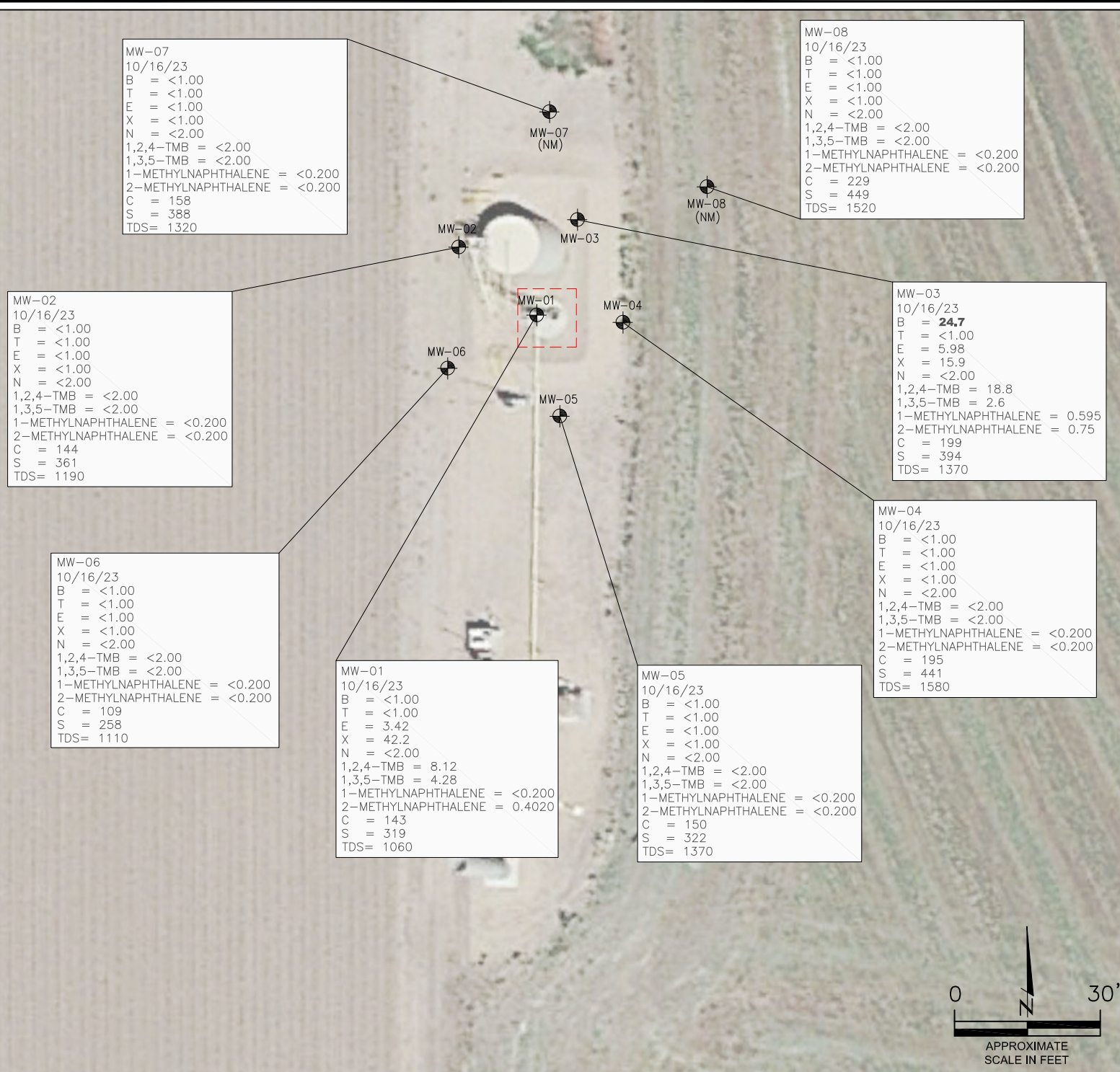
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LEGEND

--- INITIAL 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)
1-METHYLNAPHTHALENE (µg/L)
2-METHYLNAPHTHALENE (µg/L)
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:
VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE THE LABORATORY REPORTING LIMIT.

VALUES PRESENTED IN **BOLD** EXCEED THE ECMC TABLE 915-1 REGULATORY LIMITS AND/OR ECMC NARRATIVE GROUNDWATER QUALITY STANDARDS*.

*ECMC REGULATORY LIMITS IN GROUNDWATER HAVE NOT BEEN ESTABLISHED FOR 1-METHYLNAPHTHALENE AND 2-METHYLNAPHTHALENE. ECMC IMPLEMENTS A NARRATIVE GROUNDWATER QUALITY STANDARD TAKEN FROM THE ENVIRONMENTAL PROTECTION AGENCY (EPA) REGIONAL SCREENING LEVELS (RSLs) FOR TAPWATER, AS INCORPORATED BY REFERENCE IN RULE 901.B, TABLES FOR TARGET RISK ("TR")=1x10⁻⁶ AND TARGET HAZARD QUOTIENT ("THQ")=0.1. THE EPA RSL FOR TAPWATER, AND RESULTANT NARRATIVE GROUNDWATER QUALITY STANDARDS ARE 1.1 µg/L FOR 1-METHYLNAPHTHALENE AND 3.6 µg/L FOR 2-METHYLNAPHTHALENE.

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

GROUNDWATER ANALYTICAL MAP
(10/16/23)
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584/ -104.672859
SE¼ NW¼ SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

FIGURE NO.
5

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LEGEND

- INITIAL VAULT ASSESSMENT BOUNDARIES
- ⊙ MONITORING WELL LOCATIONS
- (91.45) RELATIVE GROUNDWATER ELEVATION (FT.)
- - - INFERRED GROUNDWATER ELEVATION CONTOURS (FT.)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET
NM = NOT MEASURED
NOTE: GROUNDWATER ELEVATION DATA COLLECTED ON 10/16/23.
HYDRAULIC GRADIENT (MW-06 TO MW-04): 0.004 FT./FT.

GROUNDWATER ELEVATION MAP
(10/16/23)
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE¼ NW¼ SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDIAL # 21615

FIGURE NO.
6
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TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

Table 3: Groundwater Analytical Results Summary

Table 4: Inorganic Groundwater Parameters Results Summary

Table 5: Groundwater Elevation Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WV-SS-01 @ 5' (40.343838 / -104.672831)	05/10/22	5	110.3	Y
WV-SS-02 @ 5' (40.343829 / -104.672817)	05/10/22	5	73.5	Y
WV-SS-03 @ 5' (40.343821 / -104.672830)	05/10/22	5	262.5	Y
WV-SS-04 @ 5' (40.343829 / -104.672842)	05/10/22	5	262.2	Y
WV-FS-01 @ 6' (40.343830 / -104.672830)	05/10/22	6	263.2	Y
TB-SS-01 @ 0.5' (40.343862 / -104.672843)	05/10/22	0.5	3.4	Y
TB-SS-02 @ 3' (40.343613 / -104.672870)	05/10/22	3	40.1	Y
TB-SS-03 @ 3' (40.343575 / -104.672871)	05/10/22	3	5.0	N
TB-SS-04 @ 0.5' (40.343520 / -104.672870)	05/10/22	0.5	0.7	N
TB-SS-05 @ 0.5' (40.343613 / -104.672817)	05/10/22	0.5	1.1	N
TB-SS-06 @ 0.5' (40.343648 / -104.672883)	05/10/22	0.5	1.5	N
Background-01 @ 1' (40.343704 / -104.672728)	05/10/22	1	0.1	Y
MW-01 @ 5-7.5' (40.343830 / -104.672839)	04/18/23	5-7.5	1304	Y
MW-02 @ 5-7.5' (40.343876 / -104.672896)	04/18/23	5-7.5	1.1	Y
MW-03 @ 5-7.5' (40.343887 / -104.672812)	04/18/23	5-7.5	58.8	Y
MW-04 @ 5-7.5' (40.343824 / -104.672782)	04/18/23	5-7.5	5.8	Y
MW-05 @ 2.5-5' (40.343778 / -104.672829)	04/18/23	2.5-5	3.3	Y

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
MW-06 @ 5-7.5' (40.343802 / -104.672900)	04/18/23	5-7.5	2.4	Y
MW-07 @ 2.5-5' (40.34394 / -104.672819)	10/09/23	2.5-5	0.9	Y
MW-08 @ 2.5-5' (40.343901 / -104.672719)	10/09/23	2.5-5	1.5	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector				

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDIATION # 21615

Sample Location		WV-SS-01 @ 5'	WV-SS-02 @ 5'	WV-SS-03 @ 5'	WV-SS-04 @ 5'
(Latitude / Longitude)		(40.343838 / -104.672831)	(40.343829 / -104.672817)	(40.343821 / -104.672830)	(40.343829 / -104.672842)
Sample Date		5/10/2022	5/10/2022	5/10/2022	5/10/2022
Sample Depth		5'	5'	5'	5'
PID Reading (ppm-v)		110.3	73.5	262.5	262.2
ECMC Table 915-1 Regulatory Limits					
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs	Local Clean-Up Level	
VOCs					
Benzene	mg/kg	1.2	0.0026	--	<0.00200
Toluene	mg/kg	490	0.69	--	<0.00200
Ethylbenzene	mg/kg	5.8	0.78	--	<0.00200
Total Xylenes	mg/kg	58	9.9	--	0.144
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	--	0.0365*
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	--	0.0394*
Total Petroleum Hydrocarbons					
TPH-GRO	mg/kg	500	--	--	0.403
TPH-DRO	mg/kg	500	--	--	<25.0
TPH-RR0	mg/kg	500	--	--	<100
Polycyclic Aromatics Hydrocarbons					
1-Methyl-naphthalene	mg/kg	18	0.006	--	0.000797
2-Methyl-naphthalene	mg/kg	24	0.019	--	0.0167
Acenaphthene	mg/kg	360	0.55	--	<0.00067
Anthracene	mg/kg	1800	5.8	--	<0.00067
Benzo(a)-anthracene	mg/kg	1.1	0.011	--	<0.00067
Benzo(a)-pyrene	mg/kg	0.11	0.24	--	0.00117
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	--	0.00137
Benzo(k)-fluoranthene	mg/kg	11	2.9	--	<0.00067
Chrysene	mg/kg	110	9	--	0.000736
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	--	<0.00067
Fluoranthene	mg/kg	240	8.9	--	0.00121
Fluorene	mg/kg	240	0.54	--	<0.00067
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	--	0.000942
Naphthalene	mg/kg	2	0.0038	--	<0.00067
Pyrene	mg/kg	180	1.3	--	0.00167
Soil Suitability (Inorganics)					
Boron	mg/L	2	--	--	0.284
pH	standard unit	6-8.3	--	--	7.98
Sodium Adsorption Ratio (SAR)	--	<6	--	--	0.763
Specific Conductance (EC)	mmhos/cm	<4	--	--	0.964
Metals					
Arsenic	mg/kg	0.68	0.29	2.29	1.52
Barium	mg/kg	15000	82	--	45.7
Cadmium	mg/kg	71	0.38	0.52	0.209
Copper	mg/kg	3100	46	--	7.75
Lead	mg/kg	400	14	20.9	9.87
Nickel	mg/kg	1500	26	--	5.06
Selenium	mg/kg	390	0.26	0.71	0.364*
Silver	mg/kg	390	0.8	--	0.0712
Zinc	mg/kg	23000	370	--	35
Hexavalent Chromium	mg/kg	0.3**	0.00067**	0.1 to 1.0**	<0.488**
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter PID = Photoionization Detector ppm-v = parts per million by volume mg/L = milligrams per liter SAR = Sodium Adsorption Ratio Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit and/or minimum detection limit. Values presented in BOLD exceed ECMC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed ECMC Table 915-1 GSSLs, only. **Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg. (1) - Sample required dilution, raising laboratory detection and reporting limits - sample non-detect Elevated metals are naturally occurring in Colorado. Local Clean-up Levels are 1.25*Background, where applicable.					

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

Sample Location (Latitude / Longitude)					WV-FS-01 @ 6'	TB-SS-01 @ 0.5'	TB-SS-02 @ 3'	Background-01 @ 1'
					(40.343830 / -104.672830)	(40.343862 / -104.672843)	(40.343829 / -104.672842)	(40.343704 / -104.672728)
Sample Date					5/10/2022	5/10/2022	5/10/2022	5/10/2022
Sample Depth					6'	0.5'	3'	1'
PID Reading (ppm-v)					263.2	3.4	40.1	0.1
ECMC Table 915-1 Regulatory Limits								
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs	Local Clean-Up Level				
VOCs								
Benzene	mg/kg	1.2	0.0026	--	0.00980*	<0.00200	0.00328*	NA
Toluene	mg/kg	490	0.69	--	0.0641	<0.00200	0.00734	NA
Ethylbenzene	mg/kg	5.8	0.78	--	0.00980	<0.00200	<0.00200	NA
Total Xylenes	mg/kg	58	9.9	--	0.00422	<0.00200	0.00742	NA
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	--	0.0241*	<0.00200	<0.00200	NA
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	--	0.0196*	0.00856	<0.00200	NA
Total Petroleum Hydrocarbons								
TPH-GRO	mg/kg	500	--	--	<0.200	<0.200	<0.200	NA
TPH-DRO	mg/kg	500	--	--	<25.0	<25.0	<25.0	NA
TPH-RRO	mg/kg	500	--	--	<100	<100	<100	NA
Polycyclic Aromatics Hydrocarbons								
1-Methyl-naphthalene	mg/kg	18	0.006	--	0.00319	0.00296	<0.00067	NA
2-Methyl-naphthalene	mg/kg	24	0.019	--	0.00688	0.00474	<0.00067	NA
Acenaphthene	mg/kg	360	0.55	--	0.00103	0.00128	<0.00067	NA
Anthracene	mg/kg	1800	5.8	--	<0.00067	<0.00067	<0.00067	NA
Benzo(a)-anthracene	mg/kg	1.1	0.011	--	<0.00067	<0.00067	<0.00067	NA
Benzo(a)-pyrene	mg/kg	0.11	0.24	--	0.000849	0.000774	<0.00067	NA
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	--	0.000871	0.000833	<0.00067	NA
Benzo(k)-fluoranthene	mg/kg	11	2.9	--	<0.00067	<0.00067	<0.00067	NA
Chrysene	mg/kg	110	9	--	<0.00067	0.000806	<0.00067	NA
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	--	<0.00067	<0.00067	<0.00067	NA
Fluoranthene	mg/kg	240	8.9	--	0.000878	0.000925	<0.00067	NA
Fluorene	mg/kg	240	0.54	--	0.000996	0.00213	<0.00067	NA
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	--	0.00071	0.000699	<0.00067	NA
Naphthalene	mg/kg	2	0.0038	--	0.00142	0.000685	<0.00067	NA
Pyrene	mg/kg	180	1.3	--	0.00121	0.0013	<0.00067	NA
Soil Suitability (Inorganics)								
Boron	mg/L	2	--	--	0.141	0.221	0.181	NA
pH	standard unit	6-8.3	--	--	8.05	8.19	8.29	8.15
Sodium Adsorption Ratio (SAR)	--	<6	--	--	0.344	1.16	0.789	NA
Specific Conductance (EC)	mmhos/cm	<4	--	--	0.854	0.464	0.424	NA
Metals								
Arsenic	mg/kg	0.68	0.29	2.29	1.49	NA	NA	1.83
Barium	mg/kg	15000	82	--	50.4	NA	NA	58.8
Cadmium	mg/kg	71	0.38	0.52	0.121	NA	NA	0.417*
Copper	mg/kg	3100	46	--	6.17	NA	NA	15.2
Lead	mg/kg	400	14	20.9	7.33	NA	NA	16.7*
Nickel	mg/kg	1500	26	--	5.15	NA	NA	5.37
Selenium	mg/kg	390	0.26	0.71	0.278*	NA	NA	0.566*
Silver	mg/kg	390	0.8	--	0.049	NA	NA	0.237
Zinc	mg/kg	23000	370	--	27.3	NA	NA	73.2
Hexavalent Chromium	mg/kg	0.3**	0.00067**	0.1 to 1.0**	<0.244**	NA	NA	<1.22**(1)
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter PID = Photoionization Detector ppm-v = parts per million by volume mg/L = milligrams per liter SAR = Sodium Adsorption Ratio Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit and/or minimum detection limit. Values presented in BOLD exceed ECMC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed ECMC Table 915-1 GSSLs, only. **Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg. (1) - Sample required dilution, raising laboratory detection and reporting limits - sample non-detect Elevated metals are naturally occurring in Colorado. Local Clean-up Levels are 1.25*Background, where applicable.								

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

Sample Location (Latitude / Longitude)		MW-01 (40.343830 / -104.672839)	MW-02 (40.343876 / -104.672896)	MW-03 (40.343887 / -104.672812)	MW-04 (40.343824 / -104.672782)
Sample Date		4/18/2023	4/18/2023	4/18/2023	4/18/2023
Sample Depth		5-7.5'	5-7.5'	5-7.5'	5-7.5'
PID Reading (ppm-v)		1304	1.1	58.8	5.8
ECMC Table 915-1 Regulatory Limits					
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs	Local Clean-Up Level	
VOCs					
Benzene	mg/kg	1.2	0.0026	--	0.00318*
Toluene	mg/kg	490	0.69	--	<0.00200
Ethylbenzene	mg/kg	5.8	0.78	--	<0.00200
Total Xylenes	mg/kg	58	9.9	--	<0.00200
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	--	0.240*
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	--	0.200*
Total Petroleum Hydrocarbons					
TPH-GRO	mg/kg	500	--	--	13.0
TPH-DRO	mg/kg	500	--	--	97.7
TPH-RRO	mg/kg	500	--	--	<100
Polycyclic Aromatics Hydrocarbons					
1-Methyl-naphthalene	mg/kg	18	0.006	--	0.00789*
2-Methyl-naphthalene	mg/kg	24	0.019	--	0.0169*
Acenaphthene	mg/kg	360	0.55	--	0.00139
Anthracene	mg/kg	1800	5.8	--	<0.00067
Benzo(a)-anthracene	mg/kg	1.1	0.011	--	<0.000786
Benzo(a)-pyrene	mg/kg	0.11	0.24	--	<0.00067
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	--	0.00152
Benzo(k)-fluoranthene	mg/kg	11	2.9	--	<0.00067
Chrysene	mg/kg	110	9	--	0.00125
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	--	<0.00067
Fluoranthene	mg/kg	240	8.9	--	0.0014
Fluorene	mg/kg	240	0.54	--	0.00187
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	--	0.00165
Naphthalene	mg/kg	2	0.0038	--	0.0044
Pyrene	mg/kg	180	1.3	--	0.0015
Soil Suitability (Inorganics)					
Boron	mg/L	2	--	--	NA
pH	standard unit	6-8.3	--	--	NA
Sodium Adsorption Ratio (SAR)	--	<6	--	--	NA
Specific Conductance (EC)	mmhos/cm	<4	--	--	NA
Metals					
Arsenic	mg/kg	0.68	0.29	2.29	NA
Barium	mg/kg	15000	82	--	NA
Cadmium	mg/kg	71	0.38	0.52	NA
Copper	mg/kg	3100	46	--	NA
Lead	mg/kg	400	14	20.9	NA
Nickel	mg/kg	1500	26	--	NA
Selenium	mg/kg	390	0.26	0.71	NA
Silver	mg/kg	390	0.8	--	NA
Zinc	mg/kg	23000	370	--	NA
Hexavalent Chromium	mg/kg	0.3**	0.00067**	0.1 to 1.0**	NA
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter PID = Photoionization Detector ppm-v = parts per million by volume mg/L = milligrams per liter SAR = Sodium Adsorption Ratio Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit and/or minimum detection limit. Values presented in BOLD exceed ECMC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed ECMC Table 915-1 GSSLs, only. **Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg. (1) - Sample required dilution, raising laboratory detection and reporting limits - sample non-detect Elevated metals are naturally occurring in Colorado. Local Clean-up Levels are 1.25*Background, where applicable.					

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

Sample Location (Latitude / Longitude)		MW-05 (40.343778 / -104.672829)	MW-06 (40.343802 / -104.672900)	MW-07 (40.34394 / -104.672819)	MW-08 (40.343901 / -104.672719)
Sample Date		4/18/2023	4/18/2023	10/9/2023	10/9/2023
Sample Depth		2.5-5	5-7.5	2.5-5	2.5-5
PID Reading (ppm-v)		3.3	2.4	0.9	1.5
ECMC Table 915-1 Regulatory Limits					
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs	Local Clean-Up Level	
VOCs					
Benzene	mg/kg	1.2	0.0026	--	<0.00200
Toluene	mg/kg	490	0.69	--	<0.00200
Ethylbenzene	mg/kg	5.8	0.78	--	<0.00200
Total Xylenes	mg/kg	58	9.9	--	<0.00200
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	--	<0.00200
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	--	<0.00200
Total Petroleum Hydrocarbons					
TPH-GRO	mg/kg	500	--	--	<0.200
TPH-DRO	mg/kg	500	--	--	<25.0
TPH-RRO	mg/kg	500	--	--	<100
Polycyclic Aromatics Hydrocarbons					
1-Methyl-naphthalene	mg/kg	18	0.006	--	<0.00201
2-Methyl-naphthalene	mg/kg	24	0.019	--	<0.00201
Acenaphthene	mg/kg	360	0.55	--	<0.00067
Anthracene	mg/kg	1800	5.8	--	<0.00067
Benzo(a)-anthracene	mg/kg	1.1	0.011	--	<0.00067
Benzo(a)-pyrene	mg/kg	0.11	0.24	--	<0.00067
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	--	<0.00067
Benzo(k)-fluoranthene	mg/kg	11	2.9	--	<0.00067
Chrysene	mg/kg	110	9	--	<0.00067
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	--	<0.00067
Fluoranthene	mg/kg	240	8.9	--	<0.00067
Fluorene	mg/kg	240	0.54	--	<0.00067
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	--	<0.00067
Naphthalene	mg/kg	2	0.0038	--	<0.00201
Pyrene	mg/kg	180	1.3	--	<0.00067
Soil Suitability (Inorganics)					
Boron	mg/L	2	--	--	NA
pH	standard unit	6-8.3	--	--	NA
Sodium Adsorption Ratio (SAR)	--	<6	--	--	NA
Specific Conductance (EC)	mmhos/cm	<4	--	--	NA
Metals					
Arsenic	mg/kg	0.68	0.29	2.29	NA
Barium	mg/kg	15000	82	--	NA
Cadmium	mg/kg	71	0.38	0.52	NA
Copper	mg/kg	3100	46	--	NA
Lead	mg/kg	400	14	20.9	NA
Nickel	mg/kg	1500	26	--	NA
Selenium	mg/kg	390	0.26	0.71	NA
Silver	mg/kg	390	0.8	--	NA
Zinc	mg/kg	23000	370	--	NA
Hexavalent Chromium	mg/kg	0.3**	0.00067**	0.1 to 1.0**	NA
ECMC = Energy & Carbon Management Commission mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter PID = Photoionization Detector ppm-v = parts per million by volume mg/L = milligrams per liter SAR = Sodium Adsorption Ratio Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit and/or minimum detection limit. Values presented in BOLD exceed ECMC Table 915-1 Regulatory Limits. Values presented with asterisk (*) exceed ECMC Table 915-1 GSSLs, only. **Achievable practical quantitative limits for Hexavalent Chromium in soils is in the range of 0.1 to 1 mg/kg. (1) - Sample required dilution, raising laboratory detection and reporting limits - sample non-detect Elevated metals are naturally occurring in Colorado. Local Clean-up Levels are 1.25*Background, where applicable.					

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDATION # 21615

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)	1-Methyl- naphthalene (µg/L)	2-Methyl- naphthalene (µg/L)
ECMC Table 915-1 Regulatory Limits (µg/L)		5	560	700	1400	140	67	67	--	--
ECMC Narrative Groundwater Quality Standards*		--	--	--	--	--	--	--	1.1*	3.6*
CDPHE WQCC Regulation 41 Standards		--	--	--	--	--	--	--	--	--
MW-01 (40.343830 / -104.672839)	04/24/23	2.85	<1.00	<1.00	389	<2.00	43.5	31.3	0.645	1.2200
	07/03/23	1.08	<1.00	<1.00	69.7	<2.00	15.4	10.8	0.0613	0.0654
	10/16/23	<1.00	<1.00	3.42	42.2	<2.00	8.15	4.28	<0.200	0.4020
MW-02 (40.343876 / -104.672896)	04/24/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	0.0179	0.0347
	07/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02
	10/16/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-03 (40.343887 / -104.672812)	04/24/23	61.4	10.3	43.7	106	<2.00	125	76.8	1.22	2.16
	07/03/23	14.7	<1.00	27.1	197	2.66	39.7	8.17	0.877	1.16
	10/16/23	24.7	<1.00	5.98	15.9	<2.00	18.8	2.6	0.595	0.75
MW-04 (40.343824 / -104.672782)	04/24/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02
	07/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02
	10/16/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-05 (40.343778 / -104.672829)	04/24/23	<1.00	<1.00	<1.00	3.00	<2.00	<2.00	<2.00	<0.02	<0.02
	07/03/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02
	10/16/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-06 (40.343802 / -104.672900)	04/24/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.02	<0.02
	07/03/23	<1.00	<1.00	2.30	58.8	<2.00	14.4	10.4	0.114	0.0769
	10/16/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-07 (40.34394 / -104.672819)	10/16/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
MW-08 (40.343901 / -104.672719)	10/16/23	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	<0.200
ECMC - Energy & Carbon Management Commission		NS - Not Sampled				NOP - Not on Plan		INA - Inaccessible		
µg/L - micrograms per liter										
Notes:										
*ECMC regulatory limits in groundwater have not been established for 1-methylnaphthalene and 2-methylnaphthalene. ECMC implements a narrative groundwater quality standard taken from the Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for Tapwater, as incorporated by reference in Rule 901.b, tables for Target Risk ("TR") = 1x10^-6 and Target Hazard Quotient ("THQ")=0.1. The EPA RSL for Tapwater, and resultant narrative groundwater quality standard is 1.1 µg/L for 1-methylnaphthalene and 3.6 µg/L for 2-methylnaphthalene.										
Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit.										
Values presented in BOLD contained concentrations exceeding applicable Quality Standards.										

TABLE 4
INORGANICS GROUNDWATER PARAMETERS SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDIATION # 21615

Sample Location (Latitude/Longitude)	Date	Chlorides (mg/L)	Sulfates (mg/L)	Total Dissolved Solids (mg/L)
<i>ECMC Table 915-1 Regulatory Limits (mg/L)</i>		1.25 x Local Background (300)	1.25 x Local Background (670)	1.25 x Local Background (1988)
MW-01 (40.343830 / -104.672839)	04/24/23	203	483	1600
	07/03/23	201	395	1480
	10/16/23	143	319	1060
MW-02 (40.343876 / -104.672896)	04/24/23	231	576	1750
	07/03/23	178	402	1370
	10/16/23	144	361	1190
MW-03 (40.343887 / -104.672812)	04/24/23	217	492	1500
	07/03/23	193	412	1430
	10/16/23	199	394	1370
MW-04 (40.343824 / -104.672782)	04/24/23	224	543	1630
	07/03/23	181	405	1370
	10/16/23	195	441	1580
MW-05 (40.343778 / -104.672829)	04/24/23	240	511	1430
	07/03/23	183	411	1400
	10/16/23	150	322	1370
MW-06 (40.343802 / -104.672900)	04/24/23	225	536	1590
	07/03/23	194	405	1450
	10/16/23	109	258	1110
MW-07 (40.34394 / -104.672819)	10/16/23	158	388	1320
MW-08 (40.343901 / -104.672719)	10/16/23	229	449	1520
mg/L - milligrams per liter NS - Not Sampled LNAPL - Light non-aqueous phase liquid NOP - Not on Plan Note: The Inorganic Groundwater Parameters from upgradient monitoring well MW-06 in April 2023 was used in the determination of "local background range" levels for chloride, sulfate and total dissolved solids at the site. Local "regulatory limit" (1.25*local background) presented (in parentheses). Values presented in bold typeface exceed their respective ECMC - Regulatory Limits (Table 915-1).				

TABLE 5
GROUNDWATER ELEVATION SUMMARY
WALKER T4N-R65W-S4 TANK BATTERY
HISTORICAL RELEASE
40.343584 / -104.672859
SE1/4 NW1/4 SEC.4 T4N R65W 6PM
WELD COUNTY, COLORADO
LOCATION ID 306446
REMEDIATION # 21615

Sample Location (Latitude/Longitude)	Date	TOC Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet)
MW-01 (40.343830 / -104.672839)	04/24/23	99.80	8.90	90.90
	07/03/23		5.54	94.26
	10/16/23		3.52	96.28
MW-02 (40.343876 / -104.672896)	04/24/23	100.00	9.03	90.97
	07/03/23		5.69	94.31
	10/16/23		3.71	96.29
MW-03 (40.343887 / -104.672812)	04/24/23	99.49	8.56	90.93
	07/03/23		5.21	94.28
	10/16/23		3.18	96.31
MW-04 (40.343824 / -104.672782)	04/24/23	99.92	9.02	90.90
	07/03/23		5.64	94.28
	10/16/23		3.67	96.25
MW-05 (40.343778 / -104.672829)	04/24/23	99.81	8.86	90.95
	07/03/23		5.49	94.32
	10/16/23		3.47	96.34
MW-06 (40.343802 / -104.672900)	04/24/23	99.93	8.95	90.98
	07/03/23		5.51	94.42
	10/16/23		3.56	96.37
MW-07 (40.34394 / -104.672819)	10/16/23		3.70	NM
MW-08 (40.343901 / -104.672719)	10/16/23		3.45	NM
NOTES: TOC - top of casing NM - Not Measured				



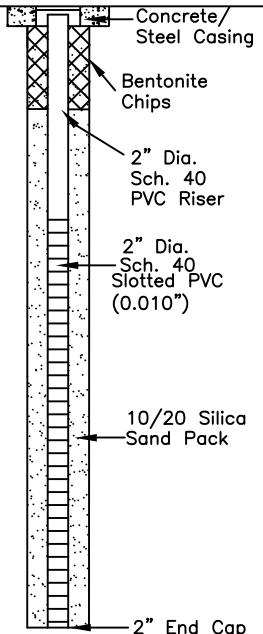
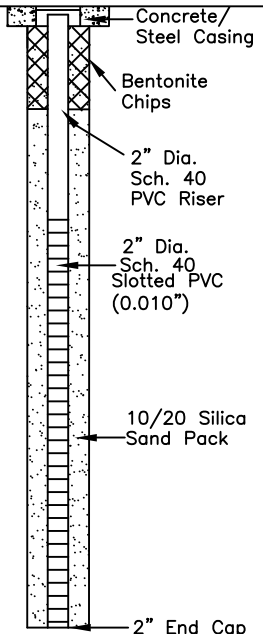
ATTACHMENT A

Soil Boring Logs / Monitoring Well Completion Diagrams

Boring Log/Well Completion Diagram:

MW-01

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-15') silty SAND - brown, moist to wet, loose, fine to medium grained, poorly-graded with ~20-30% silt					1.3	N/A			
3	@3-5' - black staining, strong HC odor		HA	1	100	518.9				
5		SM				1304	N/A			
8	@8' - black staining, strong HC odor; wet		DP	1	90	1300				
10						3.2	N/A			
13	@13' - sandy CLAY lens		DP	2	80	2.9				
15	BoB @ 15'	CL								
15		SM								
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 04/18/23

SAND PACK INTERVAL (FEET): 2.5-15

PROJECT: WALKER T4N-R65W-S4 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2.5

LOGGED BY: E. LOVELL

WELL SCREEN INTERVAL (FEET): 5-15

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 15

WELL DEPTH (FEET): 15

PID INSTRUMENT: TIGER - PID

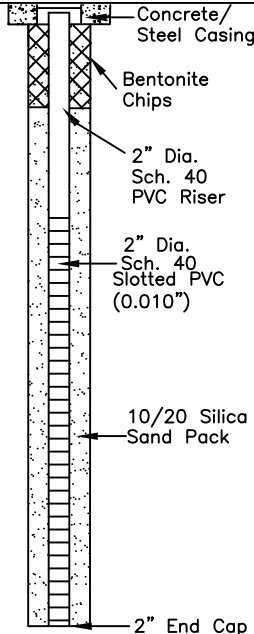
TIME STARTED/COMPLETED: 1100/1135

SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1115



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-3') silty SAND - brown, moist, loose, fine to medium grained, poorly-graded with ~30% silt, N/O, N/S	SM	HA	1	100	0.4	N/A			
3	(3-4') clayey SAND - brown, moist, loose, fine to medium grained, poorly-graded with ~30% clay, N/O, N/S	SC				0.2				
4	(4-13') silty SAND - brown, moist to wet, loose, fine to medium grained, poorly-graded with ~20% silt, N/O, N/S									
5	@8' - wet	SM	DP	1	80	1.1	N/A	5		
10	(13-14') silty CLAY - brown/grey, moist, stiff, high plasticity, poorly-graded with ~20% silt, N/O, N/S					1.0		10		
15	(14-15') gravelly SAND - brown, moist, loose, fine to medium grained, poorly-graded with ~20% small-medium gravel, N/O, N/S	CL	DP	2	80	1.0	N/A			
	BoB @ 15'	SP				0.6		15		
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 04/18/23

SAND PACK INTERVAL (FEET): 2.5-15

PROJECT: WALKER T4N-R65W-S4 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2.5

LOGGED BY: E. LOVELL

WELL SCREEN INTERVAL (FEET): 5-15

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 15

WELL DEPTH (FEET): 15

PID INSTRUMENT: TIGER - PID

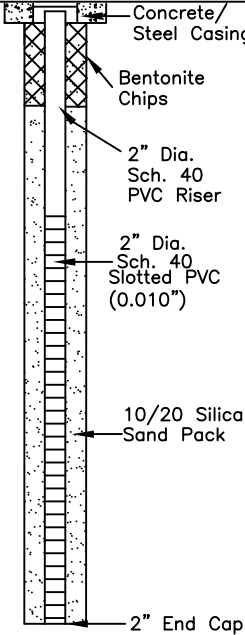
TIME STARTED/COMPLETED: 1140/1200

SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1150



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 ENVIRONMENTAL
 CONSULTING, LLC

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

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-15') silty SAND - brown, moist, loose, fine grained, poorly-graded with ~20% silt	SM	HA	1	100	14.1	N/A			
5						3.2				
10	@7.5' - slight HC odor, no staining @8' - wet @8-15' - strong HC odor, black staining		DP	1	90	58.8	N/A			
15	@13' - silty CLAY lens		DP	2	90	1102				
		CL				30.0	N/A			
		SM				32.9				
15	BoB @ 15'									
20										
25										
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 04/18/23

SAND PACK INTERVAL (FEET): 2.5-15

PROJECT: WALKER T4N-R65W-S4 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0.5-2.5

LOGGED BY: E. LOVELL

WELL SCREEN INTERVAL (FEET): 5-15

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 15

WELL DEPTH (FEET): 15

PID INSTRUMENT: TIGER - PID

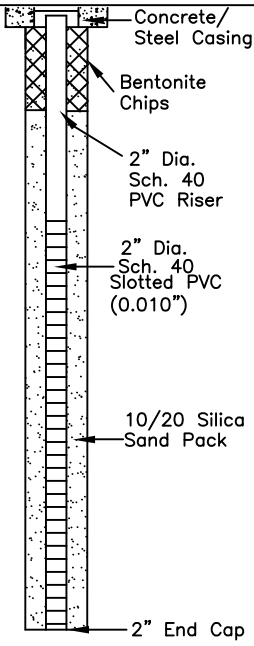
TIME STARTED/COMPLETED: 1205/1220

SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1210



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 ENVIRONMENTAL
 CONSULTING, LLC

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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-14') silty SAND - brown, moist to wet, loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	HA	1	100	5.8	N/A			
						5.8				
5			DP	1	70	5.8	N/A	5		
						3.9				
10	@9' - wet		DP	2	80	2.8	N/A	10		
						1.5				
15	(14-15') gravelly SAND - brown, wet, very loose, medium to coarse grained, poorly-graded with ~20% small-medium gravel, N/O, N/S	SP						15		
	BoB @ 15'									
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 04/18/23

SAND PACK INTERVAL (FEET): 2.5-15

PROJECT: WALKER T4N-R65W-S4 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0-2.5

LOGGED BY: E. LOVELL

WELL SCREEN INTERVAL (FEET): 5-15

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 15

WELL DEPTH (FEET): 15

PID INSTRUMENT: TIGER - PID

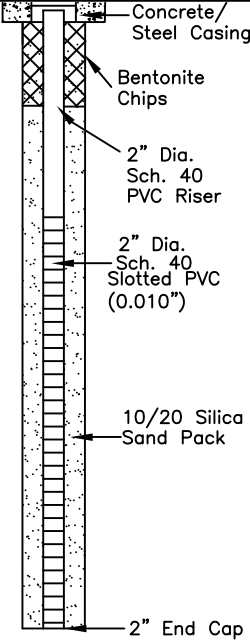
TIME STARTED/COMPLETED: 1230/1250

SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1230



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

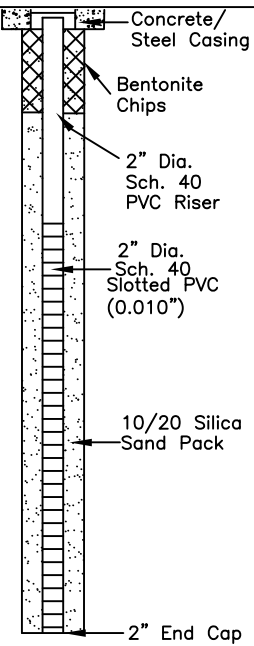
8000 W 44th Ave., Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-3') silty SAND - brown, moist to wet, loose, fine grained, poorly-graded with ~20-30% silt, N/O, N/S	SM	HA	1	100	4.2	N/A	5		HA - Hand Auger DP - Direct Push HC - Hydrocarbon BoB - Bottom of Boring N/O - no odor N/S - no staining TOC - top of casing bgs - below ground surface
	(3-4') clayey SAND - brown, moist, loose, fine to medium grained, poorly-graded with ~20-30% clay	SC				3.3				
5	(4-12') silty SAND - brown, moist to wet, loose, fine grained, poorly-graded with ~20% silt, N/O, N/S	SM	DP	1	70	2.6	N/A			
	@9' - wet					2.4				
10	(12-14') sandy CLAY - mottled orange/brown/grey, moist to wet, stiff, medium plasticity, poorly-graded with ~20% fine-grained sand, Fe, N/O, N/S	CL	DP	2	80	1.7	N/A			
	(14-15') gravelly SAND - brown, wet, very loose, medium to coarse grained, poorly-graded with ~20% small-medium gravel, N/O, N/S					1.5				
15	BoB @ 15'	SP						15		
20								20		
25								25		
30										

Boring Log/Well Completion Diagram:

MW-06

PAGE 1 OF 1

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-10') silty SAND - brown, moist to wet, loose, fine grained, poorly-graded with ~20-30% silt, N/O, N/S	SM	HA	1	100	2.0	N/A			
						2.3				
5			DP	1	80	2.4	N/A	5		
						2.7				
10	(10-12') silty SAND - grey, wet, loose, fine to medium grained, poorly-graded with ~20% silt, N/O, N/S	CL	DP	2	80	1.6	N/A	10		
	(12-14') silty CLAY - mottled orange/brown/grey, moist to wet, stiff, medium plasticity, poorly-graded with ~20% silt, N/O, N/S					1.7				
15	(14-15') gravelly SAND - brown, wet, very loose, medium to coarse grained, poorly-graded with ~20% small-medium gravel, N/O, N/S	SP						15		
	BoB @ 15'									
20								20		
25								25		
30										

HA - Hand Auger
DP - Direct Push
HC - Hydrocarbon
BoB - Bottom of Boring
N/O - no odor
N/S - no staining
TOC - top of casing
bgs - below ground surface

START/COMPLETION DATE: 04/18/23

SAND PACK INTERVAL (FEET): 2.5-15

PROJECT: WALKER T4N-R65W-S4 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0-2.5

LOGGED BY: E. LOVELL

WELL SCREEN INTERVAL (FEET): 5-15

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 15

WELL DEPTH (FEET): 15

PID INSTRUMENT: TIGER - PID

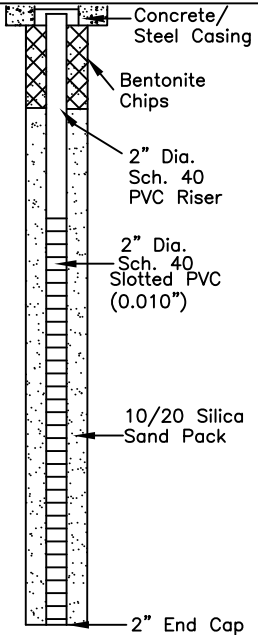
TIME STARTED/COMPLETED: 1320/1345

SAMPLE COLLECTION DEPTH (FT.)/TIME: 5-7.5/1330



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ENVIRONMENTAL
CONSULTING, LLC

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Ph: 303-433-0479 • F: 303-325-5449

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-4') silty SAND - brown, dry to moist, loose, fine grained, poorly-graded with ~10% silt, N/O, N/S	SM	DP	1	80	0.8	N/A			
	@4' - wet					0.9				
5	(4-5') sandy CLAY - brown, wet, stiff, fine grained, low plasticity, poorly-graded with ~25% sand, N/O, N/S	CL						5		
	(5-10') SAND - brown, wet, loose, medium grained, moderately-graded, N/O, N/S		DP	2	70	0.1	N/A			
	@8' - flowing SAND					1.0				
10	(10-15') Flowing SAND sample not possible.	SP				N/A	N/A	10		
			DP	3	0	N/A				
15	BoB @ 15'							15		
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 10/09/23

SAND PACK INTERVAL (FEET): 2-15

PROJECT: WALKER T4N-R65W-S4 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0-2

LOGGED BY: I. MCFARLAND / R. SEYLER

WELL SCREEN INTERVAL (FEET): 2.5-15

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 15

WELL DEPTH (FEET): 15

PID INSTRUMENT: MINI RAE 3000 - PID #10

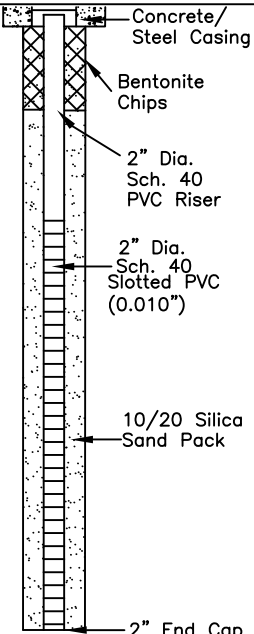
TIME STARTED/COMPLETED: 1004/1020

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/1007



EAGLE
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 CONSULTING, LLC

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DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-5') silty SAND - brown, moist to wet, loose, fine grained, poorly-graded with ~10% silt, N/O, N/S	SM	DP	1	70	1.2	N/A			
						1.5				
5	(5-13') silty SAND - brown, wet, medium dense, fine grained, poorly-graded with ~10% silt, N/O, N/S @5' - wet		DP	2	80	1.3	N/A	5		
						1.8				
10	(13-14') sandy CLAY - brown, wet, stiff, fine grained, slight plasticity, poorly-graded with ~25% sand, N/O, N/S		DP	3	70	0.9	N/A	10		
	(14-15') SAND - brown, wet, loose, medium grained, moderately-graded, N/O, N/S					1.0				
15	BoB @ 15'	CL						15		
		SP								
20								20		
25								25		
30										

HA - Hand Auger
 DP - Direct Push
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 10/09/23

SAND PACK INTERVAL (FEET): 2-15

PROJECT: WALKER T4N-R65W-S4 TANK BATTERY

BENTONITE/GROUT INTERVAL (FEET): 0-2

LOGGED BY: I. MCFARLAND / R. SEYLER

WELL SCREEN INTERVAL (FEET): 2.5-15

DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE

WELL DIAMETER (INCHES): 2

BORING DEPTH (FEET): 15

WELL DEPTH (FEET): 15

PID INSTRUMENT: MINI RAE 3000 - PID #10

TIME STARTED/COMPLETED: 0938/0950

SAMPLE COLLECTION DEPTH (FT.)/TIME: 2.5-5/0939



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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



ATTACHMENT B

Laboratory Analytical Reports



October 23, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Walker T4N-R65W-S4 Tank Battery **Project Number - [none]**

Attached are your analytical results for Noble - Walker T4N-R65W-S4 Tank Battery received by Origins Laboratory, Inc. October 09, 2023. This project is associated with Origins project number Y310260-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-07@2.5-5'	Y310260-01	Soil	October 9, 2023 10:07	10/09/2023 14:10
MW-08@2.5-5'	Y310260-02	Soil	October 9, 2023 9:39	10/09/2023 14:10

Origins Laboratory, Inc.



*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.*

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

ORIGINS

LABORATORY, INC.

www.originslaboratory.com

page | of |

4310260

Client: Eagle Environmental Consulting

Address: 9800 W 44th Ave

Went Ridge, CO 80073

Telephone Number: 303-433-0479

Email Address: mlc3@eagle-environ.com

Project Manager: Martin Eckert III

Project Name: Walker T4U-R65W-S4 Tank Battery

Project Number: _____

Samples Collected By: KS/JTM

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			% Analysts	Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa canister @			Other	
MW-VTE-2.5'-5'	10/09/23	1007	3	X					X		X X	PAC / HCL - 50 mL TAP WATER - 500 mL	MDLs needed	1
MW-CO-2.5'-5'	10/09/23	0939	3	↓					↓		↓ ↓			2
														3
														4
														5
														6
														7
														8
														9
														10

	Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
		10/09/23	1410		EHS	09/23	
	Relinquished By:						

★ Bill to Dan

Temp Received-3.8

Date Results Needed ★ Mobil

Origins Laboratory, Inc.

Byron

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4310260

Client: Eagle

Client Project ID: Walker T4N-R65W-S4

Checklist Completed by: EH

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/9/23

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 1 13.8 °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ½ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed 10/10/23

Origins Laboratory, Inc.

J. Bynon

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-07@2.5-5'

10/9/2023 10:07:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310260-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J1101	ZZZ	10/11/2023	10/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 84.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0937	HKS	10/10/2023	10/11/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4 99.6 % 70-130 " " "
Surrogate: Toluene-d8 100 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 98.7 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3J1139	Windo	10/11/2023	10/14/2023	U
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-07@2.5-5'

10/9/2023 10:07:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310260-01 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND	0.002	mg/kg	1	B3J1139	Windo	10/11/2023	10/14/2023	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.6 %	60-130	"	"	"
Surrogate: Anthracene-d10	127 %	60-130	"	"	"
Surrogate: Pyrene-d10	77.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	87.8 %	60-130	"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-08@2.5-5'
10/9/2023 9:39:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y310260-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3J1101	ZZZ	10/11/2023	10/11/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 84.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3J0937	HKS	10/10/2023	10/11/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " "
Surrogate: Toluene-d8 86.0 % 70-130 " " "
Surrogate: 4-Bromofluorobenzene 98.8 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3J1139	Windo	10/11/2023	10/14/2023	U
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-08@2.5-5'

10/9/2023 9:39:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310260-02 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	ND	0.002	mg/kg	1	B3J1139	Windo	10/11/2023	10/14/2023	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	102 %	60-130	"	"	"
Surrogate: Anthracene-d10	105 %	60-130	"	"	"
Surrogate: Pyrene-d10	104 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	115 %	60-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J0937 - EPA 5030 (soil)										
Blank (B3J0937-BLK1)					Prepared: 10/10/2023 Analyzed: 10/10/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130			

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J0937 - EPA 5030 (soil)										
LCS (B3J0937-BS1)					Prepared: 10/10/2023 Analyzed: 10/10/2023					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Benzene	0.0903	0.00200	"	0.100		90.3	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.106	0.00380	"	0.100		106	70-130			
Toluene	0.0945	0.00200	"	0.100		94.5	70-130			
o-Xylene	0.118	0.00200	"	0.100		118	70-130			
m,p-Xylene	0.220	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J0937 - EPA 5030 (soil)										
Matrix Spike (B3J0937-MS1)		Source: Y310231-01			Prepared: 10/10/2023 Analyzed: 10/10/2023					
1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100	ND	102	70-130			
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130			
Benzene	0.0876	0.00200	"	0.100	ND	87.6	70-130			
Ethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Naphthalene	0.0733	0.00380	"	0.100	ND	73.3	70-130			
Toluene	0.0925	0.00200	"	0.100	ND	92.5	70-130			
o-Xylene	0.116	0.00200	"	0.100	ND	116	70-130			
m,p-Xylene	0.218	0.00400	"	0.200	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J0937 - EPA 5030 (soil)										
Matrix Spike Dup (B3J0937-MSD1)		Source: Y310231-01			Prepared: 10/10/2023 Analyzed: 10/10/2023					
1,2,4-Trimethylbenzene	0.0987	0.00200	mg/kg	0.100	ND	98.7	70-130	3.74	20	
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	3.89	20	
Benzene	0.0869	0.00200	"	0.100	ND	86.9	70-130	0.803	20	
Ethylbenzene	0.0982	0.00200	"	0.100	ND	98.2	70-130	4.40	20	
Naphthalene	0.0895	0.00380	"	0.100	ND	89.5	70-130	19.9	20	
Toluene	0.0885	0.00200	"	0.100	ND	88.5	70-130	4.37	20	
o-Xylene	0.112	0.00200	"	0.100	ND	112	70-130	3.46	20	
m,p-Xylene	0.210	0.00400	"	0.200	ND	105	70-130	3.97	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1101 - EPA 3550B

Blank (B3J1101-BLK1)

Prepared: 10/11/2023 Analyzed: 10/11/2023

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		82.9	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1101 - EPA 3550B

LCS (B3J1101-BS1)

Prepared: 10/11/2023 Analyzed: 10/11/2023

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1210	200	"	1000		121	70-130			
Surrogate: o-Terphenyl	41		"	49.8		82.2	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1101 - EPA 3550B

Matrix Spike (B3J1101-MS1)		Source: Y310237-01			Prepared: 10/11/2023 Analyzed: 10/11/2023					
Diesel (C10-C28)	1070	50.0	mg/kg	1000	ND	107	70-130			
Residual Range Organics (C28-C40)	1240	200	"	1000	ND	124	70-130			
Surrogate: o-Terphenyl	41		"	49.8		82.2	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J1101 - EPA 3550B										
Matrix Spike Dup (B3J1101-MSD1)		Source: Y310237-01			Prepared: 10/11/2023 Analyzed: 10/11/2023					
Diesel (C10-C28)	1120	50.0	mg/kg	1000	ND	112	70-130	4.38	35	
Residual Range Organics (C28-C40)	1300	200	"	1000	ND	130	70-130	4.93	35	
Surrogate: o-Terphenyl	41		"	49.8		81.5	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1139 - EPA 3580

Blank (B3J1139-BLK1)

Prepared: 10/11/2023 Analyzed: 10/14/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	220		"	200		110	60-130			
Surrogate: Pyrene-d10	200		"	200		98.2	60-130			
Surrogate: Benzo (a) pyrene-d12	180		"	200		90.0	60-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1139 - EPA 3580

LCS (B3J1139-BS1)

Prepared: 10/11/2023 Analyzed: 10/14/2023

1-Methylnaphthalene	0.228	0.002	mg/kg	0.200		114	70-130
2-Methylnaphthalene	0.222	0.002	"	0.200		111	70-130
Acenaphthene	0.221	0.020	"	0.200		111	70-130
Anthracene	0.232	0.020	"	0.200		116	70-130
Benzo (a) anthracene	0.209	0.005	"	0.200		105	70-130
Benzo (a) pyrene	0.244	0.020	"	0.200		122	70-130
Benzo (b) fluoranthene	0.205	0.020	"	0.200		103	70-130
Benzo (g,h,i) perylene	0.213	0.020	"	0.200		107	70-130
Benzo (k) fluoranthene	0.249	0.020	"	0.200		124	70-130
Chrysene	0.221	0.020	"	0.200		111	70-130
Dibenz (a,h) anthracene	0.246	0.020	"	0.200		123	70-130
Fluoranthene	0.212	0.020	"	0.200		106	70-130
Fluorene	0.225	0.020	"	0.200		112	70-130
Indeno (1,2,3-cd) pyrene	0.218	0.020	"	0.200		109	70-130
Naphthalene	0.224	0.002	"	0.200		112	70-130
Phenanthrene	0.216	0.020	"	0.200		108	70-130
Pyrene	0.235	0.020	"	0.200		117	70-130

Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130
Surrogate: Anthracene-d10	160		"	200		81.7	60-130
Surrogate: Pyrene-d10	210		"	200		104	60-130
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130

Matrix Spike (B3J1139-MS1)

Source: Y310260-01

Prepared: 10/11/2023 Analyzed: 10/14/2023

1-Methylnaphthalene	0.235	0.002	mg/kg	0.200	ND	117	70-130
2-Methylnaphthalene	0.222	0.002	"	0.200	ND	111	70-130
Acenaphthene	0.220	0.020	"	0.200	ND	110	70-130
Anthracene	0.244	0.020	"	0.200	ND	122	70-130

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1139 - EPA 3580

Matrix Spike (B3J1139-MS1)		Source: Y310260-01			Prepared: 10/11/2023 Analyzed: 10/14/2023					
Benzo (a) anthracene	0.152	0.005	mg/kg	0.200	ND	76.2	70-130			
Benzo (a) pyrene	0.238	0.020	"	0.200	ND	119	70-130			
Benzo (b) fluoranthene	0.208	0.020	"	0.200	0.006	101	70-130			
Benzo (g,h,i) perylene	0.230	0.020	"	0.200	ND	115	70-130			
Benzo (k) fluoranthene	0.246	0.020	"	0.200	ND	123	70-130			
Chrysene	0.194	0.020	"	0.200	ND	96.8	70-130			
Dibenz (a,h) anthracene	0.242	0.020	"	0.200	ND	121	70-130			
Fluoranthene	0.214	0.020	"	0.200	0.001	106	70-130			
Fluorene	0.221	0.020	"	0.200	ND	111	70-130			
Indeno (1,2,3-cd) pyrene	0.217	0.020	"	0.200	ND	109	70-130			
Naphthalene	0.223	0.002	"	0.200	ND	111	70-130			
Phenanthrene	0.218	0.020	"	0.200	ND	109	70-130			
Pyrene	0.229	0.020	"	0.200	ND	115	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	160		"	200		77.5	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		112	60-130			

Matrix Spike Dup (B3J1139-MSD1)		Source: Y310260-01			Prepared: 10/11/2023 Analyzed: 10/14/2023					
1-Methylnaphthalene	0.242	0.002	mg/kg	0.200	ND	121	70-130	3.15	20	
2-Methylnaphthalene	0.230	0.002	"	0.200	ND	115	70-130	3.32	20	
Acenaphthene	0.227	0.020	"	0.200	ND	114	70-130	3.00	20	
Anthracene	0.254	0.020	"	0.200	ND	127	70-130	3.77	20	
Benzo (a) anthracene	0.217	0.005	"	0.200	ND	109	70-130	35.0	20	QR-02
Benzo (a) pyrene	0.248	0.020	"	0.200	ND	124	70-130	4.06	20	
Benzo (b) fluoranthene	0.207	0.020	"	0.200	0.006	101	70-130	0.296	20	
Benzo (g,h,i) perylene	0.237	0.020	"	0.200	ND	118	70-130	3.01	20	

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1139 - EPA 3580

Matrix Spike Dup (B3J1139-MSD1)		Source: Y310260-01			Prepared: 10/11/2023 Analyzed: 10/14/2023					
Benzo (k) fluoranthene	0.212	0.020	mg/kg	0.200	ND	106	70-130	14.9	20	
Chrysene	0.180	0.020	"	0.200	ND	89.8	70-130	7.51	20	
Dibenz (a,h) anthracene	0.245	0.020	"	0.200	ND	123	70-130	1.56	20	
Fluoranthene	0.242	0.020	"	0.200	0.001	120	70-130	12.3	20	
Fluorene	0.230	0.020	"	0.200	ND	115	70-130	3.80	20	
Indeno (1,2,3-cd) pyrene	0.232	0.020	"	0.200	ND	116	70-130	6.34	20	
Naphthalene	0.246	0.002	"	0.200	ND	123	70-130	9.87	20	
Phenanthrene	0.237	0.020	"	0.200	ND	119	70-130	8.35	20	
Pyrene	0.236	0.020	"	0.200	ND	118	70-130	2.86	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.2	60-130			
Surrogate: Anthracene-d10	180		"	200		90.9	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		108	60-130			

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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.



July 13, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Walker T4N-R65W-S4 Tank Battery **Project Number - [none]**

Attached are your analytical results for Noble - Walker T4N-R65W-S4 Tank Battery received by Origins Laboratory, Inc. July 03, 2023. This project is associated with Origins project number Y307017-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y307017-01	Water	July 3, 2023 10:20	07/03/2023 14:20
MW-02	Y307017-02	Water	July 3, 2023 10:30	07/03/2023 14:20
MW-03	Y307017-03	Water	July 3, 2023 10:40	07/03/2023 14:20
MW-04	Y307017-04	Water	July 3, 2023 10:50	07/03/2023 14:20
MW-05	Y307017-05	Water	July 3, 2023 11:00	07/03/2023 14:20
MW-06	Y307017-06	Water	July 3, 2023 11:10	07/03/2023 14:20

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

ORIGINS

LABORATORY, INC

www.originslaboratory.com

4307017

page 1 of 1

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303.433.6195
Email Address: vince@eagleenv.com

Project Manager: Martin Eckert III
Project Name: Walker T4N-R65W-S4 TB
Project Number:
Samples Collected By: GF

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Other	Other	Other	
MW-01	7/3/23	10:20	3		X			X							1
MW-02		10:30													2
MW-03		10:40													3
MW-04		10:50													4
MW-05		11:00													5
MW-06		11:10													6
															7
															8
															9
															10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
GF	7/3/23	14:20	UJ	7/3/23	14:20	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>

Date Results Needed 7/3/23

Temp Received- 4

Bill to Don

Origins Laboratory, Inc.

J. Bynon

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4307017 Client: Eagle
Client Project ID: WALKERTYN-R65W-S4TB

Checklist Completed by: EHS Shipped Via: 40 S4TB
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 7/3/23 Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1/4 °C 1 °C 1 °C (Describe) °C
Thermometer ID: 700u

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NC
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 7-9-23

Origins Laboratory, Inc.

J. Bynon

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-01

7/3/2023 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307017-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	15.4	2.00	ug/L	1	B3G0733	JSM	07/07/2023	07/10/2023	
1,3,5-Trimethylbenzene	10.8	2.00	"	"	"	JSM	"	"	
Benzene	1.08	1.00	"	"	"	JSM	"	"	
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	69.7	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130			"	"	"
Surrogate: Toluene-d8	99.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	70-130			"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-02

7/3/2023 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307017-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3G0733	JSM	07/07/2023	07/10/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130	"	"	"
Surrogate: Toluene-d8	91.6 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-03

7/3/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307017-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	39.7	2.00	ug/L	1	B3G0733	JSM	07/07/2023	07/10/2023	
1,3,5-Trimethylbenzene	8.17	2.00	"	"	"	JSM	"	"	
Benzene	14.7	1.00	"	"	"	JSM	"	"	
Ethylbenzene	27.1	1.00	"	"	"	JSM	"	"	
Naphthalene	2.66	2.00	"	"	"	JSM	"	"	
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	197	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"
Surrogate: Toluene-d8	96.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-04

7/3/2023 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307017-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3G0733	JSM	07/07/2023	07/10/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

105 % 70-130
91.3 % 70-130
105 % 70-130

" " "
" " "
" " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-05

7/3/2023 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307017-05 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3G0733	JSM	07/07/2023	07/10/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"
Surrogate: Toluene-d8	93.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-06

7/3/2023 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307017-06 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	14.4	2.00	ug/L	1	B3G0733	JSM	07/07/2023	07/10/2023	
1,3,5-Trimethylbenzene	10.4	2.00	"	"	"	JSM	"	"	
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	2.30	1.00	"	"	"	JSM	"	"	
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	58.8	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"
Surrogate: Toluene-d8	96.9 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130			"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G0733 - EPA 5030B (Water)										
Blank (B3G0733-BLK1)					Prepared: 07/07/2023 Analyzed: 07/10/2023					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.6	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.9	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G0733 - EPA 5030B (Water)										
LCS (B3G0733-BS1)					Prepared: 07/07/2023 Analyzed: 07/10/2023					
1,2,4-Trimethylbenzene	52.4	2.00	ug/L	50.0		105	70-130			
1,3,5-Trimethylbenzene	55.9	2.00	"	50.0		112	70-130			
Benzene	50.2	1.00	"	50.0		100	70-130			
Ethylbenzene	51.1	1.00	"	50.0		102	70-130			
m,p-Xylene	105	2.00	"	100		105	70-130			
Naphthalene	50.9	2.00	"	50.0		102	70-130			
o-Xylene	53.8	1.00	"	50.0		108	70-130			
Toluene	51.7	1.00	"	50.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.0	70-130			

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G0733 - EPA 5030B (Water)										
Matrix Spike (B3G0733-MS1)		Source: Y307015-01			Prepared: 07/07/2023 Analyzed: 07/10/2023					
1,2,4-Trimethylbenzene	587	2.00	ug/L	50.0	720	NR	70-130			QM-07
1,3,5-Trimethylbenzene	492	2.00	"	50.0	490	4.12	70-130			QM-07
Benzene	1340	1.00	"	50.0	2140	NR	70-130			QM-07
Ethylbenzene	593	1.00	"	50.0	514	157	70-130			QM-07
m,p-Xylene	3160	2.00	"	100	6730	NR	70-130			QM-07
Naphthalene	51.2	2.00	"	50.0	18.3	65.9	70-130			QM-07
o-Xylene	838	1.00	"	50.0	1450	NR	70-130			QM-07
Toluene	1210	1.00	"	50.0	5900	NR	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.6	70-130			
Surrogate: Toluene-d8	67		"	62.5		107	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		108	70-130			

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G0733 - EPA 5030B (Water)										
Matrix Spike Dup (B3G0733-MSD1)		Source: Y307015-01			Prepared: 07/07/2023 Analyzed: 07/10/2023					
1,2,4-Trimethylbenzene	592	2.00	ug/L	50.0	720	NR	70-130	0.733	20	QM-07
1,3,5-Trimethylbenzene	520	2.00	"	50.0	490	60.9	70-130	5.61	20	QM-07
Benzene	1420	1.00	"	50.0	2140	NR	70-130	5.63	20	QM-07
Ethylbenzene	685	1.00	"	50.0	514	342	70-130	14.4	20	QM-07
m,p-Xylene	3290	2.00	"	100	6730	NR	70-130	4.03	20	QM-07
Naphthalene	51.0	2.00	"	50.0	18.3	65.5	70-130	0.352	20	QM-07
o-Xylene	845	1.00	"	50.0	1450	NR	70-130	0.849	20	QM-07
Toluene	1230	1.00	"	50.0	5900	NR	70-130	1.74	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		90.1	70-130			
Surrogate: Toluene-d8	66		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	76		"	62.5		121	70-130			

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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.



July 10, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Walker T4N-R65W-S4 Tank Battery **Project Number - [none]**

Attached are your analytical results for Noble - Walker T4N-R65W-S4 Tank Battery received by Origins Laboratory, Inc. July 03, 2023. This project is associated with Origins project number Y307009-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y307009-01	Water	July 3, 2023 10:20	07/03/2023 14:20
MW-02	Y307009-02	Water	July 3, 2023 10:30	07/03/2023 14:20
MW-03	Y307009-03	Water	July 3, 2023 10:40	07/03/2023 14:20
MW-04	Y307009-04	Water	July 3, 2023 10:50	07/03/2023 14:20
MW-05	Y307009-05	Water	July 3, 2023 11:00	07/03/2023 14:20
MW-06	Y307009-06	Water	July 3, 2023 11:10	07/03/2023 14:20

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

www.originslaboratory.com

page 1 of 1

4307009

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Telephone Number: 303 433 6479
Email Address: m.c.eckert@eagleenviro.com

Project Manager: Martin Eckert III
Project Name: Walker T4N-R65W-S4 TB
Project Number:
Samples Collected By: GTF

Preservative: Unpreserved, HCl, HNO₃, Other
Matrix: Soil, Groundwater, Other
Analysis: 10/20, 10/30, 10/40, 10/50, 11/00, 11/10

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Matrix	Analysis	Sample Instructions
MW-01	7/5/23	10:20	2	X	Soil	X	1
MW-02		10:30					2
MW-03		10:40					3
MW-04		10:50					4
MW-05		11:00					5
MW-06		11:10					6
							7
							8
							9
							10
Relinquished By: GTF	Date: 7/5/23	Time: 14:20	Received By: [Signature]	Date: 7/5/23	Time: 14:20	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:		

Temp Received: 4
Date Results Needed: 7/5/23

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4307009 Client: Eagle
Client Project ID: Walker T4N-R65W
Checklist Completed by: EHS Shipped Via: HD SU TB
Date/time completed: 7/3/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A
Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other:
Cooler Number/Temperature: 1/4 °C / °C / °C (Describe) °C
Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by JP (Project Manager) Date/Time Reviewed 7-3-23

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini For Noelle Doyle Mathis, President

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-01

7/3/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307009-01 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	0.0613	0.0076	0.02	µg/L	1	L691475	07/07/2023	07/07/2023
2-Methylnaphthalene	0.0654	0.0185	0.02	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	85.5 %	70-130	"	"	"
Surrogate: 4-Terphenyl-d14	77.6 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-02

7/3/2023 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y307009-02 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L691475	07/07/2023	07/07/2023	
2-Methylnaphthalene	ND	0.0185	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	87.8 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	78.2 %		70-130			"	"	"	

Origins Laboratory, Inc.



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.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-03
7/3/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307009-03 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	0.877	0.0076	0.02	µg/L	1	L691475	07/07/2023	07/07/2023	
2-Methylnaphthalene	1.16	0.0185	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	96 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	74.3 %		70-130			"	"	"	

Origins Laboratory, Inc.



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.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-04

7/3/2023 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y307009-04 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L691475	07/07/2023	07/07/2023	
2-Methylnaphthalene	ND	0.0185	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	91.4 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	83.5 %		70-130			"	"	"	

Origins Laboratory, Inc.



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.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-05

7/3/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y307009-05 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0076	0.02	µg/L	1	L691475	07/07/2023	07/07/2023	
2-Methylnaphthalene	ND	0.0185	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	91.7 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	74.3 %		70-130			"	"	"	

Origins Laboratory, Inc.



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.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-06
7/3/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307009-06 (Water)

PAH by 8270D SIM

1-Methylnaphthalene	0.114	0.0076	0.02	µg/L	1	L691475	07/07/2023	07/07/2023	
2-Methylnaphthalene	0.0769	0.0185	0.02	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	97.4 %		70-130			"	"	"	
Surrogate: 4-Terphenyl-d14	89.1 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L691475 - 3511										
LCSD (LCSD-L691475)					Prepared: 07/07/2023 Analyzed: 07/07/2023					
2-Methylnaphthalene	2.83	0.02	µg/L	3.03		93.3	60-140	5.4	20	
1-Methylnaphthalene	2.89	0.02	"	3.03		95.3	60-140	5	20	
Surrogate: 4-Terphenyl-d14	89.7		"	3.03		89.7	70-130			
Surrogate: 2-Fluorobiphenyl	86.7		"	3.03		86.7	70-130			
LCS (LCS-L691475)					Prepared: 07/07/2023 Analyzed: 07/07/2023					
2-Methylnaphthalene	2.99	0.02	µg/L	3.03		98.6	60-140			
1-Methylnaphthalene	3.04	0.02	"	3.03		100	60-140			
Surrogate: 4-Terphenyl-d14	84.1		"	3.03		84.1	70-130			
Surrogate: 2-Fluorobiphenyl	87.4		"	3.03		87.4	70-130			
LRB (LRB-L691475)					Prepared: 07/07/2023 Analyzed: 07/07/2023					
2-Methylnaphthalene	ND	0.02	µg/L				-			
1-Methylnaphthalene	ND	0.02	"				-			
Surrogate: 4-Terphenyl-d14	90		"	3.03		90	70-130			
Surrogate: 2-Fluorobiphenyl	91.4		"	3.03		91.4	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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.

Jen Pellegrini For Noelle Doyle Mathis, President



July 13, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Walker T4N-R65W-S4 Tank Battery **Project Number - [none]**

Attached are your analytical results for Noble - Walker T4N-R65W-S4 Tank Battery received by Origins Laboratory, Inc. July 03, 2023. This project is associated with Origins project number Y307013-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y307013-01	Water	July 3, 2023 10:20	07/03/2023 14:20
MW-02	Y307013-02	Water	July 3, 2023 10:30	07/03/2023 14:20
MW-03	Y307013-03	Water	July 3, 2023 10:40	07/03/2023 14:20
MW-04	Y307013-04	Water	July 3, 2023 10:50	07/03/2023 14:20
MW-05	Y307013-05	Water	July 3, 2023 11:00	07/03/2023 14:20
MW-06	Y307013-06	Water	July 3, 2023 11:10	07/03/2023 14:20

Origins Laboratory, Inc.



*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.*

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

ORIGINS
LABORATORY, INC

www.originslaboratory.com

4307013

page 1 of 1

Client: Eagle Environmental Consulting
Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
Telephone Number: 303 433 1175
Email Address: mce@eagleenviro.com

Project Manager: Martin Eckert III
Project Name: Noble - Walker T4N-R65W-S4 TB
Project Number:
Samples Collected By: GTF

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
MW-01	7/3/13	10:20	X1								X	1
MW-02		10:30									X	2
MW-03		10:40									X	3
MW-04		10:50									X	4
MW-05		11:00									X	5
MW-06		11:10									X	6
												7
												8
												9
												10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
GTF	7/3/13	14:20	[Signature]	7/3/13	14:20	Some Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard

Date Results Needed: 8/1/13

Temp Received: 4

Origins Laboratory, Inc.

J. Bynon

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4307013 Client: Eagle
Client Project ID: WALKER T4N-R65W-S4
Checklist Completed by: EHS Shipped Via: DO TS
Date/time completed: 7/13/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A
Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other:
Cooler Number/Temperature: 114 °C / °C / °C (Describe) °C
Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Date/Time Reviewed 7-5-23

Origins Laboratory, Inc.

J. Bynon

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-01

7/3/2023 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y307013-01 (Water)

Anions by IC 300.0

Chloride	201	31.2	mg/L	125	B3G0508	ACC	07/05/2023	07/05/2023	
Sulfate	395	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1480	5.00	"	1	B3G0616	EMILI	07/06/2023	07/07/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-02

7/3/2023 10:30:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.

Y307013-02 (Water)

Anions by IC 300.0

Chloride	178	31.2	mg/L	125	B3G0508	ACC	07/05/2023	07/05/2023
Sulfate	402	31.2	"	"	"	ACC	"	"

Total Dissolved Solids by 2540C

Total Dissolved Solids	1370	5.00	"	1	B3G0616	EMILI	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-03

7/3/2023 10:40:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.

Y307013-03 (Water)

Anions by IC 300.0

Chloride	193	31.2	mg/L	125	B3G0508	ACC	07/05/2023	07/05/2023
Sulfate	412	31.2	"	"	"	ACC	"	"

Total Dissolved Solids by 2540C

Total Dissolved Solids	1430	5.00	"	1	B3G0616	EMILI	07/06/2023	07/07/2023
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-04

7/3/2023 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307013-04 (Water)

Anions by IC 300.0

Chloride	181	31.2	mg/L	125	B3G0508	ACC	07/05/2023	07/05/2023	
Sulfate	405	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1370	5.00	"	1	B3G0616	EMILI	07/06/2023	07/07/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-05

7/3/2023 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307013-05 (Water)

Anions by IC 300.0

Chloride	183	31.2	mg/L	125	B3G0508	ACC	07/05/2023	07/05/2023	
Sulfate	411	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1400	5.00	"	1	B3G0616	EMILI	07/06/2023	07/07/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-06

7/3/2023 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307013-06 (Water)

Anions by IC 300.0

Chloride	194	31.2	mg/L	125	B3G0508	ACC	07/05/2023	07/05/2023	
Sulfate	405	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1450	5.00	"	1	B3G0616	EMILI	07/06/2023	07/07/2023	
------------------------	------	------	---	---	---------	-------	------------	------------	--

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G0508 - Filter .45um non acidified										
Blank (B3G0508-BLK1)					Prepared: 07/05/2023 Analyzed: 07/05/2023					
Chloride	ND	0.250	mg/L							U
Fluoride	ND	0.100	"							U
Bromide	ND	0.100	"							U
Sulfate	ND	0.250	"							U
LCS (B3G0508-BS1)					Prepared: 07/05/2023 Analyzed: 07/05/2023					
Chloride	4.11	0.250	mg/L	4.00		103	90-110			
Fluoride	3.89	0.100	"	4.00		97.2	90-110			
Bromide	3.93	0.100	"	4.00		98.2	90-110			
Sulfate	3.95	0.250	"	4.00		98.8	90-110			
Matrix Spike (B3G0508-MS1)					Source: Y306884-02		Prepared: 07/05/2023 Analyzed: 07/05/2023			
Chloride	541		mg/L	500	9.63	106	90-110			
Fluoride	504		"	500	0.356	101	90-110			
Bromide	507		"	500	0.00	101	90-110			
Sulfate	552		"	500	31.5	104	90-110			
Matrix Spike Dup (B3G0508-MSD1)					Source: Y306884-02		Prepared: 07/05/2023 Analyzed: 07/05/2023			
Chloride	555		mg/L	500	9.63	109	90-110	2.49	5	
Fluoride	523		"	500	0.356	104	90-110	3.69	5	
Bromide	509		"	500	0.00	102	90-110	0.354	5	
Sulfate	556		"	500	31.5	105	90-110	0.704	5	
Batch B3G0616 - NO PREP										
Blank (B3G0616-BLK1)					Prepared: 07/06/2023 Analyzed: 07/07/2023					
Total Dissolved Solids	ND	5.00	mg/L							

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G0616 - NO PREP										
LCS (B3G0616-BS1)					Prepared: 07/06/2023 Analyzed: 07/07/2023					
Total Dissolved Solids	983	5.00	mg/L	1000		98.3	90-110			
Duplicate (B3G0616-DUP1)					Source: Y307012-04 Prepared: 07/06/2023 Analyzed: 07/07/2023					
Total Dissolved Solids	1870	5.00	mg/L		1830			2.38	10	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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.



October 26, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Walker T4N-R65W-S4 Tank Battery **Project Number - [none]**

Attached are your analytical results for Noble - Walker T4N-R65W-S4 Tank Battery received by Origins Laboratory, Inc. October 16, 2023. This project is associated with Origins project number Y310423-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y310423-01	Water	October 16, 2023 10:25	10/16/2023 12:41
MW-02	Y310423-02	Water	October 16, 2023 10:30	10/16/2023 12:41
MW-03	Y310423-03	Water	October 16, 2023 10:35	10/16/2023 12:41
MW-04	Y310423-04	Water	October 16, 2023 10:40	10/16/2023 12:41
MW-05	Y310423-05	Water	October 16, 2023 10:45	10/16/2023 12:41
MW-06	Y310423-06	Water	October 16, 2023 10:50	10/16/2023 12:41
MW-07	Y310423-07	Water	October 16, 2023 10:55	10/16/2023 12:41
MW-08	Y310423-08	Water	October 16, 2023 11:00	10/16/2023 12:41

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4310423

Client: Eagle
Client Project ID: WALKER T4N-R65W-S4 TB

Checklist Completed by: EHS

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/16/23

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1 / 1.7 °C 1 / 1 °C 1 / 1 °C (Describe) °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>NC</u>
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 10/17/23

Origins Laboratory, Inc.

[Signature]

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-01

10/16/2023 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310423-01 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023	U
2-Methylnaphthalene	0.402	0.200	"	"	"	Windo	"	"	

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	
Surrogate: Anthracene-d10	98.4 %	60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.6 %	60-130			"	"	"	
Surrogate: Pyrene-d10	103 %	60-130			"	"	"	

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-02

10/16/2023 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y310423-02 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	98.5 %	60-130			"	"	"
Surrogate: Anthracene-d10	97.9 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	99.6 %	60-130			"	"	"
Surrogate: Pyrene-d10	114 %	60-130			"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-03

10/16/2023 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310423-03 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	0.595	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023
2-Methylnaphthalene	0.750	0.200	"	"	"	Windo	"	"
Surrogate: Fluorene-d10	102 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	97.9 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	105 %	60-130			"	"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-04

10/16/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310423-04 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130	"	"	"
Surrogate: Anthracene-d10	95.8 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.8 %	60-130	"	"	"
Surrogate: Pyrene-d10	102 %	60-130	"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-05

10/16/2023 10:45:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310423-05 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"
Surrogate: Anthracene-d10	89.9 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	98.3 %	60-130			"	"	"
Surrogate: Pyrene-d10	103 %	60-130			"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-06

10/16/2023 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310423-06 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.4 %	60-130			"	"	"
Surrogate: Anthracene-d10	96.3 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	98.7 %	60-130			"	"	"
Surrogate: Pyrene-d10	111 %	60-130			"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-07

10/16/2023 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310423-07 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"
Surrogate: Anthracene-d10	93.0 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	95.2 %	60-130			"	"	"
Surrogate: Pyrene-d10	109 %	60-130			"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-08

10/16/2023 11:00:00AM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310423-08 (Water)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B3J2409	Windo	10/24/2023	10/25/2023	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.3 %	60-130			"	"	"
Surrogate: Anthracene-d10	80.7 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	98.6 %	60-130			"	"	"
Surrogate: Pyrene-d10	114 %	60-130			"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J2409 - EPA 3510C_MS

Blank (B3J2409-BLK1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

1-Methylnaphthalene	ND	0.200	ug/L							U
2-Methylnaphthalene	ND	0.200	"							U
Acenaphthene	ND	2.00	"							U
Anthracene	ND	2.00	"							U
Benzo (a) anthracene	ND	0.500	"							U
Benzo (a) pyrene	ND	2.00	"							U
Benzo (b) fluoranthene	ND	2.00	"							U
Benzo (g,h,i) perylene	ND	2.00	"							U
Benzo (k) fluoranthene	ND	2.00	"							U
Chrysene	ND	2.00	"							U
Dibenz (a,h) anthracene	ND	2.00	"							U
Fluoranthene	ND	2.00	"							U
Fluorene	ND	2.00	"							U
Indeno (1,2,3-cd) pyrene	ND	2.00	"							U
Naphthalene	ND	0.200	"							U
Phenanthrene	ND	2.00	"							U
Pyrene	ND	2.00	"							U
Surrogate: Fluorene-d10	200		"	200		101	60-130			
Surrogate: Anthracene-d10	200		"	200		99.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			
Surrogate: Pyrene-d10	210		"	200		104	60-130			

LCS (B3J2409-BS1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

1-Methylnaphthalene	20.7	0.200	ug/L	20.0		103	70-130			
2-Methylnaphthalene	19.7	0.200	"	20.0		98.3	70-130			
Acenaphthene	19.8	2.00	"	20.0		98.9	70-130			
Anthracene	17.3	2.00	"	20.0		86.5	70-130			

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J2409 - EPA 3510C_MS

LCS (B3J2409-BS1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

Benzo (a) anthracene	17.6	0.500	ug/L	20.0		87.8	70-130
Benzo (a) pyrene	19.7	2.00	"	20.0		98.7	70-130
Benzo (b) fluoranthene	19.1	2.00	"	20.0		95.3	70-130
Benzo (g,h,i) perylene	20.7	2.00	"	20.0		104	70-130
Benzo (k) fluoranthene	17.4	2.00	"	20.0		87.1	70-130
Chrysene	19.3	2.00	"	20.0		96.3	70-130
Dibenz (a,h) anthracene	19.9	2.00	"	20.0		99.6	70-130
Fluoranthene	19.4	2.00	"	20.0		97.0	70-130
Fluorene	19.7	2.00	"	20.0		98.7	70-130
Indeno (1,2,3-cd) pyrene	18.4	2.00	"	20.0		91.8	70-130
Naphthalene	20.3	0.200	"	20.0		102	70-130
Phenanthrene	18.9	2.00	"	20.0		94.4	70-130
Pyrene	19.0	2.00	"	20.0		95.0	70-130
Surrogate: Fluorene-d10	200		"	200		101	60-130
Surrogate: Anthracene-d10	190		"	200		96.9	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130
Surrogate: Pyrene-d10	200		"	200		99.4	60-130

Matrix Spike (B3J2409-MS1)

Source: Y310413-01

Prepared: 10/24/2023 Analyzed: 10/25/2023

1-Methylnaphthalene	88.5	1.00	ug/L	20.0	66.0	113	70-130
2-Methylnaphthalene	131	1.00	"	20.0	109	108	70-130
Acenaphthene	25.5	10.0	"	20.0	5.88	98.1	70-130
Anthracene	20.6	10.0	"	20.0	ND	103	70-130
Benzo (a) anthracene	18.4	2.50	"	20.0	ND	92.0	70-130
Benzo (a) pyrene	17.9	10.0	"	20.0	ND	89.4	70-130
Benzo (b) fluoranthene	21.1	10.0	"	20.0	ND	106	70-130
Benzo (g,h,i) perylene	19.9	10.0	"	20.0	ND	99.3	70-130

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J2409 - EPA 3510C_MS

Matrix Spike (B3J2409-MS1)		Source: Y310413-01			Prepared: 10/24/2023 Analyzed: 10/25/2023					
Benzo (k) fluoranthene	18.9	10.0	ug/L	20.0	ND	94.7	70-130			
Chrysene	18.3	10.0	"	20.0	1.48	84.1	70-130			
Dibenz (a,h) anthracene	20.1	10.0	"	20.0	ND	100	70-130			
Fluoranthene	17.9	10.0	"	20.0	ND	89.3	70-130			
Fluorene	27.8	10.0	"	20.0	7.91	99.3	70-130			
Indeno (1,2,3-cd) pyrene	22.5	10.0	"	20.0	ND	113	70-130			
Naphthalene	104	1.00	"	20.0	82.1	110	70-130			
Phenanthrene	27.0	10.0	"	20.0	8.56	92.2	70-130			
Pyrene	23.2	10.0	"	20.0	ND	116	70-130			
Surrogate: Fluorene-d10	200		"	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		96.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			
Surrogate: Pyrene-d10	240		"	200		120	60-130			

Matrix Spike Dup (B3J2409-MSD1)		Source: Y310413-01			Prepared: 10/24/2023 Analyzed: 10/25/2023					
1-Methylnaphthalene	90.7	1.00	ug/L	20.0	66.0	123	70-130	2.45	20	
2-Methylnaphthalene	136	1.00	"	20.0	109	136	70-130	4.14	20	QM-07
Acenaphthene	25.7	10.0	"	20.0	5.88	99.0	70-130	0.737	20	
Anthracene	19.4	10.0	"	20.0	ND	96.9	70-130	5.96	20	
Benzo (a) anthracene	18.2	2.50	"	20.0	ND	90.8	70-130	1.35	20	
Benzo (a) pyrene	16.9	10.0	"	20.0	ND	84.7	70-130	5.33	20	
Benzo (b) fluoranthene	19.8	10.0	"	20.0	ND	99.0	70-130	6.49	20	
Benzo (g,h,i) perylene	20.3	10.0	"	20.0	ND	101	70-130	2.14	20	
Benzo (k) fluoranthene	18.3	10.0	"	20.0	ND	91.4	70-130	3.51	20	
Chrysene	18.4	10.0	"	20.0	1.48	84.5	70-130	0.442	20	
Dibenz (a,h) anthracene	19.5	10.0	"	20.0	ND	97.7	70-130	2.69	20	
Fluoranthene	17.9	10.0	"	20.0	ND	89.7	70-130	0.431	20	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J2409 - EPA 3510C_MS										
Matrix Spike Dup (B3J2409-MSD1)					Source: Y310413-01					
										Prepared: 10/24/2023 Analyzed: 10/25/2023
Fluorene	27.0	10.0	ug/L	20.0	7.91	95.6	70-130	2.67	20	
Indeno (1,2,3-cd) pyrene	18.3	10.0	"	20.0	ND	91.7	70-130	20.5	20	QR-02
Naphthalene	108	1.00	"	20.0	82.1	127	70-130	3.23	20	
Phenanthrene	27.6	10.0	"	20.0	8.56	95.1	70-130	2.13	20	
Pyrene	21.4	10.0	"	20.0	ND	107	70-130	8.07	20	
Surrogate: Fluorene-d10	200		"	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		96.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.4	60-130			
Surrogate: Pyrene-d10	240		"	200		118	60-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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.



October 24, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Walker T4N-R65W-S4 Tank Battery **Project Number - [none]**

Attached are your analytical results for Noble - Walker T4N-R65W-S4 Tank Battery received by Origins Laboratory, Inc. October 16, 2023. This project is associated with Origins project number Y310422-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y310422-01	Water	October 16, 2023 10:25	10/16/2023 12:41
MW-02	Y310422-02	Water	October 16, 2023 10:30	10/16/2023 12:41
MW-03	Y310422-03	Water	October 16, 2023 10:35	10/16/2023 12:41
MW-04	Y310422-04	Water	October 16, 2023 10:40	10/16/2023 12:41
MW-05	Y310422-05	Water	October 16, 2023 10:45	10/16/2023 12:41
MW-06	Y310422-06	Water	October 16, 2023 10:50	10/16/2023 12:41
MW-07	Y310422-07	Water	October 16, 2023 10:55	10/16/2023 12:41
MW-08	Y310422-08	Water	October 16, 2023 11:00	10/16/2023 12:41

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4310422

Client: Eagle

Client Project ID: Walker T4N-R65W-S4 TB

Checklist Completed by: EHS

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/16/23

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1 / 1.7 °C 1 / 1 °C 1 / 1 °C (Describe) °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	JSC
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by [Signature] (Project Manager)

10/17/23
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-01

10/16/2023 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	8.15	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	
1,3,5-Trimethylbenzene	4.28	2.00	"	"	"	HKS	"	"	
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	3.42	1.00	"	"	"	HKS	"	"	
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	42.2	1.00	"	"	"	HKS	"	"	

Surrogate: 1,2-Dichloroethane-d4	121 %	70-130			"	"	"
Surrogate: Toluene-d8	98.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	98.1 %	70-130			"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-02

10/16/2023 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-02 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	HKS	"	"	U
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	ND	1.00	"	"	"	HKS	"	"	U
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	ND	1.00	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	122 %	70-130	"	"	"
Surrogate: Toluene-d8	97.5 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	96.8 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-03

10/16/2023 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-03 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	18.8	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	
1,3,5-Trimethylbenzene	2.60	2.00	"	"	"	HKS	"	"	
Benzene	24.7	1.00	"	"	"	HKS	"	"	
Ethylbenzene	5.98	1.00	"	"	"	HKS	"	"	
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	15.9	1.00	"	"	"	HKS	"	"	

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

120 % 70-130
97.5 % 70-130
98.0 % 70-130

" " "
" " "
" " "

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-04

10/16/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-04 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	HKS	"	"	U
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	ND	1.00	"	"	"	HKS	"	"	U
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	ND	1.00	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	118 %	70-130	"	"	"
Surrogate: Toluene-d8	99.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.3 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-05

10/16/2023 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-05 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	HKS	"	"	U
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	ND	1.00	"	"	"	HKS	"	"	U
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	ND	1.00	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	121 %	70-130	"	"	"
Surrogate: Toluene-d8	98.0 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130	"	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-06

10/16/2023 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-06 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	HKS	"	"	U
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	ND	1.00	"	"	"	HKS	"	"	U
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	ND	1.00	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	123 %	70-130	"	"	"
Surrogate: Toluene-d8	97.6 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-07

10/16/2023 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-07 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	HKS	"	"	U
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	ND	1.00	"	"	"	HKS	"	"	U
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	ND	1.00	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

120 % 70-130
97.5 % 70-130
96.5 % 70-130

" " "
" " "
" " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-08

10/16/2023 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310422-08 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B3J1623	HKS	10/16/2023	10/17/2023	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	HKS	"	"	U
Benzene	ND	1.00	"	"	"	HKS	"	"	U
Ethylbenzene	ND	1.00	"	"	"	HKS	"	"	U
Naphthalene	ND	2.00	"	"	"	HKS	"	"	U
Toluene	ND	1.00	"	"	"	HKS	"	"	U
Xylenes, total	ND	1.00	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	116 %	70-130	"	"	"
Surrogate: Toluene-d8	97.9 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J1623 - EPA 5030B (Water)										
Blank (B3J1623-BLK1)					Prepared: 10/16/2023 Analyzed: 10/16/2023					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	71		"	62.5		114	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.4	70-130			

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J1623 - EPA 5030B (Water)										
LCS (B3J1623-BS1)					Prepared: 10/16/2023 Analyzed: 10/16/2023					
1,2,4-Trimethylbenzene	52.7	2.00	ug/L	50.0		105	70-130			
1,3,5-Trimethylbenzene	51.7	2.00	"	50.0		103	70-130			
Benzene	42.1	1.00	"	50.0		84.2	70-130			
Ethylbenzene	49.4	1.00	"	50.0		98.7	70-130			
m,p-Xylene	101	2.00	"	100		101	70-130			
Naphthalene	53.7	2.00	"	50.0		107	70-130			
o-Xylene	53.8	1.00	"	50.0		108	70-130			
Toluene	45.1	1.00	"	50.0		90.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	72		"	62.5		115	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3J1623 - EPA 5030B (Water)

Matrix Spike (B3J1623-MS1)		Source: Y310414-01			Prepared: 10/16/2023 Analyzed: 10/16/2023					
1,2,4-Trimethylbenzene	53.4	2.00	ug/L	50.0	ND	107	70-130			
1,3,5-Trimethylbenzene	52.8	2.00	"	50.0	ND	106	70-130			
Benzene	38.9	1.00	"	50.0	ND	77.8	70-130			
Ethylbenzene	49.7	1.00	"	50.0	ND	99.4	70-130			
m,p-Xylene	101	2.00	"	100	0.620	101	70-130			
Naphthalene	49.6	2.00	"	50.0	ND	99.2	70-130			
o-Xylene	54.0	1.00	"	50.0	0.240	108	70-130			
Toluene	44.7	1.00	"	50.0	ND	89.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	70		"	62.5		112	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J1623 - EPA 5030B (Water)										
Matrix Spike Dup (B3J1623-MSD1)	Source: Y310414-01				Prepared: 10/16/2023 Analyzed: 10/16/2023					
1,2,4-Trimethylbenzene	53.6	2.00	ug/L	50.0	ND	107	70-130	0.355	20	
1,3,5-Trimethylbenzene	53.0	2.00	"	50.0	ND	106	70-130	0.341	20	
Benzene	39.6	1.00	"	50.0	ND	79.3	70-130	1.91	20	
Ethylbenzene	50.3	1.00	"	50.0	ND	101	70-130	1.24	20	
m,p-Xylene	103	2.00	"	100	0.620	102	70-130	1.68	20	
Naphthalene	52.1	2.00	"	50.0	ND	104	70-130	4.86	20	
o-Xylene	54.2	1.00	"	50.0	0.240	108	70-130	0.370	20	
Toluene	44.7	1.00	"	50.0	ND	89.3	70-130	0.00	20	
Surrogate: 1,2-Dichloroethane-d4	72		"	62.5		116	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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.



October 30, 2023

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Walker T4N-R65W-S4 Tank Battery **Project Number - [none]**

Attached are your analytical results for Noble - Walker T4N-R65W-S4 Tank Battery received by Origins Laboratory, Inc. October 16, 2023. This project is associated with Origins project number Y310421-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y310421-01	Water	October 16, 2023 10:25	10/16/2023 12:41
MW-02	Y310421-02	Water	October 16, 2023 10:30	10/16/2023 12:41
MW-03	Y310421-03	Water	October 16, 2023 10:35	10/16/2023 12:41
MW-04	Y310421-04	Water	October 16, 2023 10:40	10/16/2023 12:41
MW-05	Y310421-05	Water	October 16, 2023 10:45	10/16/2023 12:41
MW-06	Y310421-06	Water	October 16, 2023 10:50	10/16/2023 12:41
MW-07	Y310421-07	Water	October 16, 2023 10:55	10/16/2023 12:41
MW-08	Y310421-08	Water	October 16, 2023 11:00	10/16/2023 12:41

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4310421

Client: Eagle

Client Project ID: Walker T4N-R65W-S4 TB

Checklist Completed by: EHS

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/16/23

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: _____

Cooler Number/Temperature: 1 / 1.7 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed 10/17/23

Origins Laboratory, Inc.

J. Bynon

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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-01

10/16/2023 10:25:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.
Y310421-01 (Water)

Anions by IC 300.0

Chloride	143	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/28/2023
Sulfate	319	31.2	"	"	"	ACC	"	"

Total Dissolved Solids by 2540C

Total Dissolved Solids	1060	5.00	"	1	B3J1859	KRM	10/18/2023	10/19/2023
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-02

10/16/2023 10:30:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.
Y310421-02 (Water)

Anions by IC 300.0

Chloride	144	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/28/2023
Sulfate	361	31.2	"	"	"	ACC	"	"

Total Dissolved Solids by 2540C

Total Dissolved Solids	1190	5.00	"	1	B3J1859	KRM	10/18/2023	10/19/2023
------------------------	------	------	---	---	---------	-----	------------	------------

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-03

10/16/2023 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y310421-03 (Water)

Anions by IC 300.0

Chloride	199	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/28/2023	
Sulfate	394	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1370	5.00	"	1	B3J1859	KRM	10/18/2023	10/19/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-04

10/16/2023 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310421-04 (Water)

Anions by IC 300.0

Chloride	195	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/28/2023	
Sulfate	441	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1580	5.00	"	1	B3J1859	KRM	10/18/2023	10/19/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-05

10/16/2023 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310421-05 (Water)

Anions by IC 300.0

Chloride	150	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/28/2023	
Sulfate	322	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1370	5.00	"	1	B3J1859	KRM	10/18/2023	10/19/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-06

10/16/2023 10:50:00AM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.
Y310421-06 (Water)

Anions by IC 300.0

Chloride	109	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/30/2023
Sulfate	258	31.2	"	"	"	ACC	"	"

Total Dissolved Solids by 2540C

Total Dissolved Solids	1110	5.00	"	1	B3J1859	KRM	10/18/2023	10/19/2023
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

MW-07

10/16/2023 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310421-07 (Water)

Anions by IC 300.0

Chloride	158	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/30/2023	
Sulfate	388	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1320	5.00	"	1	B3J1859	KRM	10/18/2023	10/19/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

MW-08

10/16/2023 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y310421-08 (Water)

Anions by IC 300.0

Chloride	229	31.2	mg/L	125	B3J2608	ACC	10/26/2023	10/30/2023	
Sulfate	449	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1520	5.00	"	1	B3J1860	KRM	10/18/2023	10/19/2023	
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Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J1859 - NO PREP										
Blank (B3J1859-BLK1)					Prepared: 10/18/2023 Analyzed: 10/19/2023					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B3J1859-BS1)					Prepared: 10/18/2023 Analyzed: 10/19/2023					
Total Dissolved Solids	982	5.00	mg/L	1010		97.2	90-110			
Duplicate (B3J1859-DUP1)					Source: Y310375-10 Prepared: 10/18/2023 Analyzed: 10/19/2023					
Total Dissolved Solids	1790	5.00	mg/L		1850			3.29	10	
Batch B3J1860 - NO PREP										
Blank (B3J1860-BLK1)					Prepared: 10/18/2023 Analyzed: 10/19/2023					
Total Dissolved Solids	ND	5.00	mg/L							
LCS (B3J1860-BS1)					Prepared: 10/18/2023 Analyzed: 10/19/2023					
Total Dissolved Solids	990	5.00	mg/L	1010		98.0	90-110			
Duplicate (B3J1860-DUP1)					Source: Y310421-08 Prepared: 10/18/2023 Analyzed: 10/19/2023					
Total Dissolved Solids	1530	5.00	mg/L		1520			0.788	10	
Batch B3J2608 - Filter .45um non acidified										
Blank (B3J2608-BLK1)					Prepared: 10/26/2023 Analyzed: 10/28/2023					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
LCS (B3J2608-BS1)					Prepared: 10/26/2023 Analyzed: 10/28/2023					
Chloride	4.05	0.250	mg/L	4.00		101	90-110			
Sulfate	4.08	0.250	"	4.00		102	90-110			

Origins Laboratory, Inc.



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.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Andrew Newberry
Project Number: [none]
Project: Noble - Walker T4N-R65W-S4 Tank Battery

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3J2608 - Filter .45um non acidified										
Matrix Spike (B3J2608-MS1)		Source: Y310419-05			Prepared: 10/26/2023 Analyzed: 10/28/2023					
Chloride	517		mg/L	500	0.00	103	90-110			
Sulfate	530		"	500	7.55	104	90-110			
Matrix Spike Dup (B3J2608-MSD1)		Source: Y310419-05			Prepared: 10/26/2023 Analyzed: 10/28/2023					
Chloride	522		mg/L	500	0.00	104	90-110	1.11	5	
Sulfate	534		"	500	7.55	105	90-110	0.743	5	

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Eagle Environmental Consulting, LLC

8000 W 44th Ave

Wheat Ridge CO 80033

Andrew Newberry

Project Number: [none]

Project: Noble - Walker T4N-R65W-S4 Tank
Battery

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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