



## **FIGURES**

**Figure 1: Groundwater Analytical Map (01/09/24)**

**Figure 2: Groundwater Elevation Map (01/09/24)**



#### 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<sup>-6</sup> 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

(01/09/24)

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.

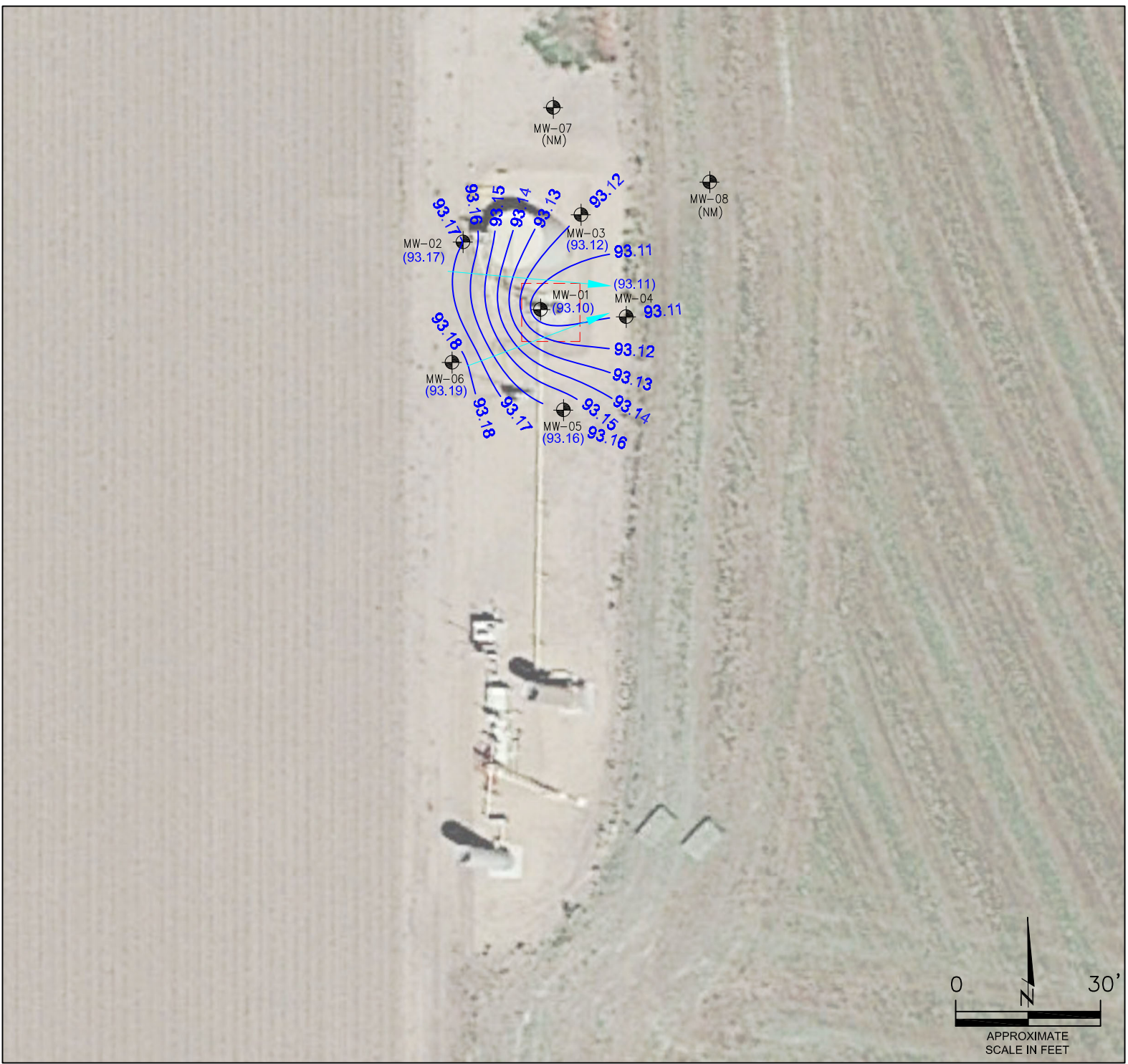
1

DRAWN BY:

RS



**EAGLE**  
ENVIRONMENTAL  
CONSULTING, LLC  
8000 W 44th Ave, Wheat Ridge, CO 80033  
Ph: 303-431-0479 • F: 303-325-5449



**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  
NOTE: GROUNDWATER ELEVATION DATA COLLECTED ON 01/09/24.  
HYDRAULIC GRADIENT (MW-06 TO MW-04): 0.002 FT./FT.  
NM = NOT MEASURED

GROUNDWATER ELEVATION MAP  
(01/09/24)  
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.  
2  
DRAWN BY:  
ZM



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## **TABLES**

**Table 1: Groundwater Analytical Results Summary**

**Table 2: Inorganics Groundwater Parameters Summary**

**Table 3: Groundwater Elevation Summary**



**TABLE 1**  
**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)
<b>ECMC Table 915-1 Regulatory Limits (µg/L)</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	<b>140</b>	<b>67</b>	<b>67</b>	<b>--</b>	<b>--</b>
<b>ECMC Narrative Groundwater Quality Standards* (µg/L)</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1.1*</b>	<b>3.6*</b>
MW-01 (40.343830 / -104.672839)	04/24/23	2.85	<1.00	<1.00	389	<2.00	43.5	31.3	0.645	1.22
	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	42.20	<2.00	8.15	4.3	<0.200	0.402
	01/09/24	<1.00	<1.00	2.62	35.4	<2.00	6.87	3.48	0.654	1.25
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
	01/09/24	<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	<b>61.4</b>	10.3	43.7	106	<2.00	<b>125</b>	<b>76.8</b>	1.22	2.16
	07/03/23	<b>14.7</b>	<1.00	27.1	197	2.66	39.7	8.17	0.877	1.16
	10/16/23	<b>24.7</b>	<1.00	5.98	15.9	<2.00	18.8	2.6	0.595	0.75
	01/09/24	<b>45.5</b>	<1.00	12.8	88.6	<2.00	26.8	2.25	1.02	1.36
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
	01/09/24	<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
	01/09/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	0.227
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
	01/09/24	<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
	01/09/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	0.246
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
	01/09/24	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	<0.200	0.255

ECMC - Energy & Carbon Management Commission

NS - Not Sampled

NOP - Not on Plan

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<sup>-6</sup> 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 2**  
**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**  
**REMEDATION # 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 (280)	1.25 x Local Background (679)	1.25 x Local Background (2037)
MW-01 (40.343830 / -104.672839)	04/24/23	203	483	1600
	07/03/23	201	395	1480
	10/16/23	143	319	1060
	01/09/24	111	254	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
	01/09/24	114	274	1100
MW-03 (40.343887 / -104.672812)	04/24/23	217	492	1500
	07/03/23	193	412	1430
	10/16/23	199	394	1370
	01/09/24	125	173	1020
MW-04 (40.343824 / -104.672782)	04/24/23	224	543	1630
	07/03/23	181	405	1370
	10/16/23	195	441	1580
	01/09/24	120	276	1110
MW-05 (40.343778 / -104.672829)	04/24/23	240	511	1430
	07/03/23	183	411	1400
	10/16/23	150	322	1370
	01/09/24	128	284	1190
MW-06 (40.343802 / -104.672900)	04/24/23	225	536	1590
	07/03/23	194	405	1450
	10/16/23	109	258	1110
	01/09/24	103	241	992
MW-07 (40.34394 / -104.672819)	10/16/23	158	388	1320
	01/09/24	150	380	1360
MW-08 (40.343901 / -104.672719)	10/16/23	229	449	1520
	01/09/24	173	382	1420
mg/L - milligrams per liter      NS - Not Sampled				
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 <b>bold</b> typeface exceed their respective ECMC - Regulatory Limits (Table 915-1).				

**TABLE 3**  
**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
	01/09/24		6.70	93.10
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
	01/09/24		6.83	93.17
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
	01/09/24		6.37	93.12
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
	01/09/24		6.81	93.11
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
			6.65	93.16
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
	01/09/24		6.74	93.19
MW-07 (40.34394 / -104.672819)	10/16/23		3.70	NM
	01/09/24		6.82	NM
MW-08 (40.343901 / -104.672719)	10/16/23		3.45	NM
	01/09/24		6.64	NM
NOTES: TOC - top of casing NM - Not Measured				



## **ATTACHMENT A**

### **Laboratory Analytical Reports (1Q24)**





January 17, 2024

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. January 09, 2024. This project is associated with Origins project number Y401195-01.

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	Y401195-01	Water	January 9, 2024 14:40	01/09/2024 17:10
MW-02	Y401195-02	Water	January 9, 2024 14:45	01/09/2024 17:10
MW-03	Y401195-03	Water	January 9, 2024 14:50	01/09/2024 17:10
MW-04	Y401195-04	Water	January 9, 2024 14:55	01/09/2024 17:10
MW-05	Y401195-05	Water	January 9, 2024 15:00	01/09/2024 17:10
MW-06	Y401195-06	Water	January 9, 2024 15:05	01/09/2024 17:10
MW-07	Y401195-07	Water	January 9, 2024 15:10	01/09/2024 17:10
MW-08	Y401195-08	Water	January 9, 2024 15:15	01/09/2024 17:10

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.*



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: 4401095 Client: Eagle  
Client Project ID: Walker T4N-R65W-S4 TB

Checklist Completed by: FHS Shipped Via: HD  
Date/time completed: 1/9/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Y Water Other:  
Cooler Number/Temperature: 1, 7 °C 1 °C 1 °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 <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		SP
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			NC
Additional Comments (if any):				

<sup>(1)</sup> 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) JB

Date/Time Reviewed 1-11-24

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

1/9/2024 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-01 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	0.654	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024
2-Methylnaphthalene	1.25	0.200	"	"	"	Windo	"	"
Surrogate: Fluorene-d10	97.9 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	94.1 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	93.5 %	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

1/9/2024 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-02 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	98.8 %	60-130			"	"	"
Surrogate: Anthracene-d10	93.1 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	98.1 %	60-130			"	"	"
Surrogate: Pyrene-d10	93.4 %	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

1/9/2024 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-03 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	1.02	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024
2-Methylnaphthalene	1.36	0.200	"	"	"	Windo	"	"

Surrogate: Fluorene-d10	99.4 %	60-130			"	"	"
Surrogate: Anthracene-d10	93.4 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	97.8 %	60-130			"	"	"
Surrogate: Pyrene-d10	91.6 %	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

1/9/2024 2:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-04 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	90.9 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.1 %	60-130	"	"	"
Surrogate: Pyrene-d10	94.2 %	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

## MW-05

1/9/2024 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-05 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024	U
2-Methylnaphthalene	0.227	0.200	"	"	"	Windo	"	"	

Surrogate: Fluorene-d10	99.6 %	60-130			"	"	"	
Surrogate: Anthracene-d10	90.5 %	60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %	60-130			"	"	"	
Surrogate: Pyrene-d10	91.6 %	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

1/9/2024 3:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-06 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024	U
2-Methylnaphthalene	ND	0.200	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	98.5 %	60-130			"	"	"
Surrogate: Anthracene-d10	92.2 %	60-130			"	"	"
Surrogate: Benzo (a) pyrene-d12	98.0 %	60-130			"	"	"
Surrogate: Pyrene-d10	94.0 %	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

## MW-07

1/9/2024 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-07 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024	U
2-Methylnaphthalene	0.246	0.200	"	"	"	Windo	"	"	

Surrogate: Fluorene-d10	99.2 %	60-130	"	"	"	"	"	"	
Surrogate: Anthracene-d10	91.3 %	60-130	"	"	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.4 %	60-130	"	"	"	"	"	"	
Surrogate: Pyrene-d10	96.0 %	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

1/9/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401195-08 (Water)

### PAH by EPA 8270E

1-Methylnaphthalene	ND	0.200	ug/L	1	B4A1601	Windo	01/16/2024	01/16/2024	U
2-Methylnaphthalene	0.255	0.200	"	"	"	Windo	"	"	

Surrogate: Fluorene-d10	98.2 %	60-130	"	"	"	"	"	"	
Surrogate: Anthracene-d10	92.5 %	60-130	"	"	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	98.1 %	60-130	"	"	"	"	"	"	
Surrogate: Pyrene-d10	94.5 %	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

**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 B4A1601 - EPA 3510C\_MS**

**Blank (B4A1601-BLK1)**

Prepared: 01/16/2024 Analyzed: 01/16/2024

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		99.1	60-130			
Surrogate: Anthracene-d10	190		"	200		94.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			
Surrogate: Pyrene-d10	190		"	200		93.7	60-130			

**LCS (B4A1601-BS1)**

Prepared: 01/16/2024 Analyzed: 01/16/2024

1-Methylnaphthalene	17.7	0.200	ug/L	20.0		88.4	70-130			
2-Methylnaphthalene	17.6	0.200	"	20.0		88.1	70-130			
Acenaphthene	16.1	2.00	"	20.0		80.6	70-130			
Anthracene	14.7	2.00	"	20.0		73.7	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 B4A1601 - EPA 3510C\_MS**

**LCS (B4A1601-BS1)**

Prepared: 01/16/2024 Analyzed: 01/16/2024

Benzo (a) anthracene	15.0	0.500	ug/L	20.0		74.8	70-130			
Benzo (a) pyrene	18.7	2.00	"	20.0		93.3	70-130			
Benzo (b) fluoranthene	19.0	2.00	"	20.0		94.9	70-130			
Benzo (g,h,i) perylene	19.2	2.00	"	20.0		96.2	70-130			
Benzo (k) fluoranthene	17.4	2.00	"	20.0		87.2	70-130			
Chrysene	16.3	2.00	"	20.0		81.3	70-130			
Dibenz (a,h) anthracene	19.1	2.00	"	20.0		95.6	70-130			
Fluoranthene	16.4	2.00	"	20.0		82.1	70-130			
Fluorene	14.7	2.00	"	20.0		73.7	70-130			
Indeno (1,2,3-cd) pyrene	18.0	2.00	"	20.0		90.1	70-130			
Naphthalene	17.1	0.200	"	20.0		85.6	70-130			
Phenanthrene	17.2	2.00	"	20.0		86.0	70-130			
Pyrene	15.3	2.00	"	20.0		76.4	70-130			
Surrogate: Fluorene-d10	200		"	200		97.7	60-130			
Surrogate: Anthracene-d10	190		"	200		94.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			
Surrogate: Pyrene-d10	180		"	200		91.6	60-130			

**LCS Dup (B4A1601-BSD1)**

Prepared: 01/16/2024 Analyzed: 01/16/2024

1-Methylnaphthalene	19.3	0.200	ug/L	20.0		96.6	70-130	8.78	20	
2-Methylnaphthalene	19.0	0.200	"	20.0		95.0	70-130	7.53	20	
Acenaphthene	17.4	2.00	"	20.0		87.0	70-130	7.56	20	
Anthracene	15.4	2.00	"	20.0		77.1	70-130	4.60	20	
Benzo (a) anthracene	16.3	0.500	"	20.0		81.4	70-130	8.46	20	
Benzo (a) pyrene	18.1	2.00	"	20.0		90.4	70-130	3.19	20	
Benzo (b) fluoranthene	20.9	2.00	"	20.0		105	70-130	9.76	20	
Benzo (g,h,i) perylene	21.3	2.00	"	20.0		107	70-130	10.4	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
<b>Batch B4A1601 - EPA 3510C_MS</b>										
<b>LCS Dup (B4A1601-BSD1)</b>					Prepared: 01/16/2024 Analyzed: 01/16/2024					
Benzo (k) fluoranthene	19.7	2.00	ug/L	20.0		98.5	70-130	12.2	20	
Chrysene	18.8	2.00	"	20.0		93.8	70-130	14.3	20	
Dibenz (a,h) anthracene	21.1	2.00	"	20.0		105	70-130	9.69	20	
Fluoranthene	18.3	2.00	"	20.0		91.4	70-130	10.7	20	
Fluorene	16.4	2.00	"	20.0		82.1	70-130	10.7	20	
Indeno (1,2,3-cd) pyrene	19.9	2.00	"	20.0		99.3	70-130	9.75	20	
Naphthalene	19.1	0.200	"	20.0		95.4	70-130	10.8	20	
Phenanthrene	18.9	2.00	"	20.0		94.6	70-130	9.44	20	
Pyrene	16.6	2.00	"	20.0		82.8	70-130	7.99	20	
Surrogate: Fluorene-d10	200		"	200		98.1	60-130			
Surrogate: Anthracene-d10	190		"	200		94.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			
Surrogate: Pyrene-d10	180		"	200		91.4	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.

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.*



January 17, 2024

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. January 09, 2024. This project is associated with Origins project number Y401196-01.

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	Y401196-01	Water	January 9, 2024 14:40	01/09/2024 17:10
MW-02	Y401196-02	Water	January 9, 2024 14:45	01/09/2024 17:10
MW-03	Y401196-03	Water	January 9, 2024 14:50	01/09/2024 17:10
MW-04	Y401196-04	Water	January 9, 2024 14:55	01/09/2024 17:10
MW-05	Y401196-05	Water	January 9, 2024 15:00	01/09/2024 17:10
MW-06	Y401196-06	Water	January 9, 2024 15:05	01/09/2024 17:10
MW-07	Y401196-07	Water	January 9, 2024 15:10	01/09/2024 17:10
MW-08	Y401196-08	Water	January 9, 2024 15:15	01/09/2024 17:10

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.*



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

www.originslaboratory.com

page 1 of 1

Client: Eagle Environmental Consulting  
Address: 8000 W 44th Ave  
Wheat Ridge, CO 80033  
Telephone Number: 303-433-0779  
Email Address: andrewnewberry@eagle-environment.com

Project Manager: Andrew Newberry  
Project Name: Walker T4N-R65W-S4 TANK BATTERY  
Project Number: 51181  
Samples Collected By: SLB

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa &		
MJ-01	11/17/14	1440	3	X				X			X X X	1
MJ-02		1445										2
MJ-03		1450										3
MJ-04		1455										4
MJ-05		1500										5
MJ-06		1505										6
MJ-07		1510										7
MJ-08		1515										8
												9
												10

Relinquished By: Sam [Signature]  
Relinquished By: [Signature]

Date: 11/17/14  
Date: 11/24/14

Time: 1710  
Time: 1710

Received By: [Signature]  
Received By: [Signature]

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

Temp Received: 7  
Date Results Needed: 11/24/14

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

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

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: 441011910 Client: Eagle  
Client Project ID: Walker T4N-R65W-S4

Checklist Completed by: EHS Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/time completed: 1/19/12 Airbill #: N/A

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

Cooler Number/Temperature: 117 °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 <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		SD
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			RG
Additional Comments (if any):				

<sup>(1)</sup> 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] Date/Time Reviewed: 1-11-12

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

1/9/2024 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-01 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	6.87	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	
1,3,5-Trimethylbenzene	3.48	2.00	"	"	"	JSM	"	"	
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	2.62	1.00	"	"	"	JSM	"	"	
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	35.4	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130			"	"	"
Surrogate: Toluene-d8	98.9 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	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-02

1/9/2024 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-02 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	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	96.4 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	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

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

## MW-03

1/9/2024 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-03 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	26.8	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	
1,3,5-Trimethylbenzene	2.25	2.00	"	"	"	JSM	"	"	
Benzene	45.5	1.00	"	"	"	JSM	"	"	
Ethylbenzene	12.8	1.00	"	"	"	JSM	"	"	
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	88.6	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	98.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	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

1/9/2024 2:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-04 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	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	96.4 %	70-130	"	"	"
Surrogate: Toluene-d8	98.4 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	110 %	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-05

1/9/2024 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-05 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	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	98.4 %	70-130	"	"	"
Surrogate: Toluene-d8	99.2 %	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

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

## MW-06

1/9/2024 3:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-06 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	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	99.0 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	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

1/9/2024 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-07 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	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	97.6 %	70-130	"	"	"
Surrogate: Toluene-d8	100 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	111 %	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-08

1/9/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401196-08 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B4A1028	JSM	01/10/2024	01/11/2024	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

101 % 70-130 " " "  
98.8 % 70-130 " " "  
102 % 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 B4A1028 - EPA 5030B (Water)										
Blank (B4A1028-BLK1)					Prepared: 01/10/2024 Analyzed: 01/11/2024					
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	59		"	62.5		94.6	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	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
<b>Batch B4A1028 - EPA 5030B (Water)</b>										
<b>LCS (B4A1028-BS1)</b>					Prepared: 01/10/2024 Analyzed: 01/11/2024					
1,2,4-Trimethylbenzene	54.0	2.00	ug/L	50.0		108	70-130			
1,3,5-Trimethylbenzene	53.6	2.00	"	50.0		107	70-130			
Benzene	53.2	1.00	"	50.0		106	70-130			
Ethylbenzene	52.3	1.00	"	50.0		105	70-130			
m,p-Xylene	107	2.00	"	100		107	70-130			
Naphthalene	51.0	2.00	"	50.0		102	70-130			
o-Xylene	51.2	1.00	"	50.0		102	70-130			
Toluene	52.3	1.00	"	50.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.4	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		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

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 B4A1028 - EPA 5030B (Water)**

Matrix Spike (B4A1028-MS1)		Source: Y401196-01			Prepared: 01/10/2024 Analyzed: 01/11/2024					
1,2,4-Trimethylbenzene	59.7	2.00	ug/L	50.0	6.87	106	70-130			
1,3,5-Trimethylbenzene	56.1	2.00	"	50.0	3.48	105	70-130			
Benzene	51.7	1.00	"	50.0	ND	103	70-130			
Ethylbenzene	53.2	1.00	"	50.0	2.62	101	70-130			
m,p-Xylene	132	2.00	"	100	34.0	98.3	70-130			
Naphthalene	49.1	2.00	"	50.0	0.350	97.5	70-130			
o-Xylene	53.2	1.00	"	50.0	1.39	104	70-130			
Toluene	51.1	1.00	"	50.0	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.3	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	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
<b>Batch B4A1028 - EPA 5030B (Water)</b>										
<b>Matrix Spike Dup (B4A1028-MSD1)</b>	<b>Source: Y401196-01</b>				Prepared: 01/10/2024 Analyzed: 01/11/2024					
1,2,4-Trimethylbenzene	59.0	2.00	ug/L	50.0	6.87	104	70-130	1.11	20	
1,3,5-Trimethylbenzene	58.0	2.00	"	50.0	3.48	109	70-130	3.28	20	
Benzene	53.0	1.00	"	50.0	ND	106	70-130	2.58	20	
Ethylbenzene	56.4	1.00	"	50.0	2.62	108	70-130	5.86	20	
m,p-Xylene	138	2.00	"	100	34.0	104	70-130	4.20	20	
Naphthalene	48.9	2.00	"	50.0	0.350	97.1	70-130	0.367	20	
o-Xylene	56.3	1.00	"	50.0	1.39	110	70-130	5.64	20	
Toluene	53.4	1.00	"	50.0	ND	107	70-130	4.29	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.6	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		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

### 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.*



January 18, 2024

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. January 09, 2024. This project is associated with Origins project number Y401197-01.

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	Y401197-01	Water	January 9, 2024 14:40	01/09/2024 17:10
MW-02	Y401197-02	Water	January 9, 2024 14:45	01/09/2024 17:10
MW-03	Y401197-03	Water	January 9, 2024 14:50	01/09/2024 17:10
MW-04	Y401197-04	Water	January 9, 2024 14:55	01/09/2024 17:10
MW-05	Y401197-05	Water	January 9, 2024 15:00	01/09/2024 17:10
MW-06	Y401197-06	Water	January 9, 2024 15:05	01/09/2024 17:10
MW-07	Y401197-07	Water	January 9, 2024 15:10	01/09/2024 17:10
MW-08	Y401197-08	Water	January 9, 2024 15:15	01/09/2024 17:10

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.*

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

www.originslaboratory.com

page | of |

Project Manager: Andrew Newberry  
Project Name: Walker T4N-R65W-S4 TANK BATTERY  
Project Number: \_\_\_\_\_  
Samples Collected By: SLB

Client: Eagle Environmental Consulting  
Address: 8000 W 44th Ave  
Wheat Ridge, CO, 80033  
Telephone Number: 303-433-0770  
Email Address: andrew@eagle-env.com

Sample ID Description	Date Sampled	Time Sampled	Preservative				Matrix	Analysis	Sample Instructions
			Unpreserved	HCl	HNO <sub>3</sub>	Other			
MW-01	11/1/14	1440	X				Soil	1 2 3 4 5 6 7 8 9 10	Matrix Needed
MW-02		1445							
MW-03		1450							
MW-04		1455							
MW-05		1500							
MW-06		1505							
MW-07		1510							
MW-08		1515							

Relinquished By: SLB Date: 11/1/14 Time: 1910  
Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: SLB Date: 11/12/14 Time: 1710  
Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☒ Standard

Temp Received: 7 Date Results Needed: 11/12/14

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

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

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: 4401097

Client: Eagle

Client Project ID: Walker T4N-R65W-S4

Checklist Completed by: EHS

Shipped Via: HD

Date/time completed: 1/19/24

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

Airbill #: N/A

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

Cooler Number/Temperature: 1/7 °C 1 °C 1 °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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>SD</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontrasted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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 1/11/24

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

1/9/2024 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-01 (Water)

### Anions by IC 300.0

Chloride	111	31.2	mg/L	125	B4A1107	STW	01/11/2024	01/12/2024	
Sulfate	254	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1060	5.00	"	1	B4A1022	KRM	01/10/2024	01/11/2024	
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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-02

1/9/2024 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-02 (Water)

### Anions by IC 300.0

Chloride	114	31.2	mg/L	125	B4A1107	STW	01/11/2024	01/12/2024	
Sulfate	274	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1100	5.00	"	1	B4A1022	KRM	01/10/2024	01/11/2024	
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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-03

1/9/2024 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-03 (Water)

### Anions by IC 300.0

Chloride	125	31.2	mg/L	125	B4A1107	STW	01/11/2024	01/12/2024	
Sulfate	173	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1020	5.00	"	1	B4A1022	KRM	01/10/2024	01/11/2024	
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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-04

1/9/2024 2:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-04 (Water)

### Anions by IC 300.0

Chloride	120	31.2	mg/L	125	B4A1107	STW	01/11/2024	01/12/2024	
Sulfate	276	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1110	5.00	"	1	B4A1022	KRM	01/10/2024	01/11/2024	
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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-05

1/9/2024 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-05 (Water)

### Anions by IC 300.0

Chloride	128	31.2	mg/L	125	B4A1108	STW	01/11/2024	01/12/2024	
Sulfate	284	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1190	5.00	"	1	B4A1039	KRM	01/10/2024	01/12/2024	
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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-06

1/9/2024 3:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-06 (Water)

### Anions by IC 300.0

Chloride	103	31.2	mg/L	125	B4A1108	STW	01/11/2024	01/12/2024	
Sulfate	241	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	992	5.00	"	1	B4A1039	KRM	01/10/2024	01/12/2024	
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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

1/9/2024 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-07 (Water)

### Anions by IC 300.0

Chloride	150	31.2	mg/L	125	B4A1108	STW	01/11/2024	01/12/2024	
Sulfate	380	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1360	5.00	"	1	B4A1039	KRM	01/10/2024	01/12/2024	
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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-08

1/9/2024 3:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y401197-08 (Water)

### Anions by IC 300.0

Chloride	173	31.2	mg/L	125	B4A1108	STW	01/11/2024	01/12/2024	
Sulfate	382	31.2	"	"	"	STW	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1420	5.00	"	1	B4A1039	KRM	01/10/2024	01/12/2024	
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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

## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4A1022 - NO PREP</b>										
<b>Blank (B4A1022-BLK1)</b>					Prepared: 01/10/2024 Analyzed: 01/11/2024					
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B4A1022-BS1)</b>					Prepared: 01/10/2024 Analyzed: 01/11/2024					
Total Dissolved Solids	994	5.00	mg/L	1030		96.5	90-110			
<b>Duplicate (B4A1022-DUP1)</b>					Source: Y401194-01 Prepared: 01/10/2024 Analyzed: 01/11/2024					
Total Dissolved Solids	1320	5.00	mg/L		1350			2.25	10	
<b>Batch B4A1039 - NO PREP</b>										
<b>Blank (B4A1039-BLK1)</b>					Prepared: 01/10/2024 Analyzed: 01/12/2024					
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B4A1039-BS1)</b>					Prepared: 01/10/2024 Analyzed: 01/12/2024					
Total Dissolved Solids	1000	5.00	mg/L	1030		97.5	90-110			
<b>Duplicate (B4A1039-DUP1)</b>					Source: Y401197-05 Prepared: 01/10/2024 Analyzed: 01/12/2024					
Total Dissolved Solids	1200	5.00	mg/L		1190			1.00	10	
<b>Batch B4A1107 - Filter .45um non acidified</b>										
<b>Blank (B4A1107-BLK1)</b>					Prepared: 01/11/2024 Analyzed: 01/15/2024					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
<b>LCS (B4A1107-BS1)</b>					Prepared: 01/11/2024 Analyzed: 01/15/2024					
Chloride	3.71	0.250	mg/L	4.00		92.7	90-110			
Sulfate	3.87	0.250	"	4.00		96.6	90-110			

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

## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4A1107 - Filter .45um non acidified</b>										
<b>Matrix Spike (B4A1107-MS1)</b>		<b>Source: Y401194-01</b>			Prepared: 01/11/2024 Analyzed: 01/15/2024					
Chloride	685		mg/L	500	212	94.6	90-110			
Sulfate	840		"	500	325	103	90-110			
<b>Matrix Spike Dup (B4A1107-MSD1)</b>		<b>Source: Y401194-01</b>			Prepared: 01/11/2024 Analyzed: 01/15/2024					
Chloride	683		mg/L	500	212	94.2	90-110	0.274	5	
Sulfate	836		"	500	325	102	90-110	0.537	5	
<b>Batch B4A1108 - Filter .45um non acidified</b>										
<b>Blank (B4A1108-BLK1)</b>		Prepared: 01/11/2024 Analyzed: 01/12/2024								
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
<b>LCS (B4A1108-BS1)</b>		Prepared: 01/11/2024 Analyzed: 01/12/2024								
Chloride	3.76	0.250	mg/L	4.00		94.0	90-110			
Sulfate	3.86	0.250	"	4.00		96.5	90-110			
<b>Matrix Spike (B4A1108-MS1)</b>		<b>Source: Y401197-05</b>			Prepared: 01/11/2024 Analyzed: 01/12/2024					
Chloride	585		mg/L	500	128	91.4	90-110			
Sulfate	771		"	500	284	97.4	90-110			
<b>Matrix Spike Dup (B4A1108-MSD1)</b>		<b>Source: Y401197-05</b>			Prepared: 01/11/2024 Analyzed: 01/12/2024					
Chloride	589		mg/L	500	128	92.2	90-110	0.681	5	
Sulfate	774		"	500	284	98.1	90-110	0.453	5	

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.



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