

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
Watson E28-19 Facility, Weld County, COLORADO
REM # 33863

Sample ID	Sample Date	Depth	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
Ast01-B 0.5'	6/11/2024	0.5'	40.462235	-104.673502	0.90	0
Ecd01-surface	6/11/2024	surface	40.462530	-104.673451	0.90	0
MH01-surface	6/11/2024	surface	40.462693	-104.673508	0.90	0
Pvw01-B 4.0'	6/11/2024	4.0'	40.462288	-104.673501	0.90	1.8
Pvw01-E 2.0'	6/11/2024	2.0'	40.462299	-104.673496	0.90	1.0
Pvw01-N 2.0'	6/11/2024	2.0'	40.462301	-104.673503	0.90	1.8
Pvw01-S 2.0'	6/11/2024	2.0'	40.462279	-104.673508	0.90	0.8
Pvw01-W 2.0'	6/11/2024	2.0'	40.462293	-104.673519	1.00	1.3
Sep01-DL 4.0'	6/11/2024	4.0'	40.462485	-104.673501	0.90	1.6
Sep01-FL 4.0'	6/11/2024	4.0'	40.462522	-104.673524	0.90	1.5

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
Watson E28-19 Facility, Weld County, COLORADO
REM # 33863

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
AST01-B 0.5FT	06/11/2024	0.5ft	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.00508	<100	<0.200	<25.0	<100
PWV01-B 4.0FT	06/11/2024	4.0ft	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<100	<0.200	<25.0	<100
PWV01-N 2.0FT	06/11/2024	2.0ft	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<100	<0.200	<25.0	<100
SEP01-DL 4.0FT	06/11/2024	4.0ft	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<100	<0.200	<25.0	<100
SEP01-FL 4.0FT	06/11/2024	4.0ft	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<100	<0.200	<25.0	<100

1. Bold values exceed the ECMC Table 915-1 limit(s)

2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

3. * Indicates laboratory minimum detection limit in excess of SSL

4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.
 = Material excavated and transported off site for disposal.

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
Watson E28-19 Facility, Weld County, COLORADO
REM # 33863

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl - Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
AST01-B 0.5FT	06/11/2024	0.5ft	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	0.003
PWV01-B 4.0FT	06/11/2024	4.0ft	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
PWV01-N 2.0FT	06/11/2024	2.0ft	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
SEP01-DL 4.0FT	06/11/2024	4.0ft	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
SEP01-FL 4.0FT	06/11/2024	4.0ft	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002

1. Bold values exceed the ECMC Table 915-1 limit(s)

2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

3. * Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
Watson E28-19 Facility, Weld County, COLORADO
REM # 33863

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
AST01-B 0.5FT	06/11/2024	0.5ft	8.54	0.310	0.371	<i><0.0994</i>
PWV01-B 4.0FT	06/11/2024	4.0ft	8.49	0.464	0.473	0.314
PWV01-N 2.0FT	06/11/2024	2.0ft	8.54	0.268	0.258	0.238
SEP01-DL 4.0FT	06/11/2024	4.0ft	8.60	0.450	0.173	0.314
SEP01-FL 4.0FT	06/11/2024	4.0ft	8.61	0.331	0.261	0.356

1. Bold faced values exceed the ECMC Table 915-1 limit(s)
 2. Blue highlighted soil analytical values indicate a regulatory exceedance
- NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
Watson E28-19 Facility, Weld County, COLORADO
REM # 33863

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
AST01-B 0.5FT	06/11/2024	0.5ft	2.88	44.0	<0.0962	<0.299	<9.62	4.21	6.05	<0.250	<0.0962	<35.6
PWV01-B 4.0FT	06/11/2024	4.0ft	5.99	115	0.190	<0.426	9.25	8.47	10.9	<0.222	<0.0854	40.4
PWV01-N 2.0FT	06/11/2024	2.0ft	5.40	154	0.193	<0.332	10.5	9.02	12.0	<0.226	<0.0870	41.4
SEP01-DL 4.0FT	06/11/2024	4.0ft	5.12	118	0.173	<0.332	<9.67	8.40	10.9	<0.251	<0.0967	37.7
SEP01-FL 4.0FT	06/11/2024	4.0ft	5.14	130	0.189	<0.339	10.2	8.82	11.7	<0.226	<0.0869	39.6

1. Bold values exceed the ECMC Table 915-1 limit(s)

2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

 = Source material characterization sample, excavated and transported off site for disposal.

 = Material excavated and transported off site for disposal.

Watson E28-19 Facility

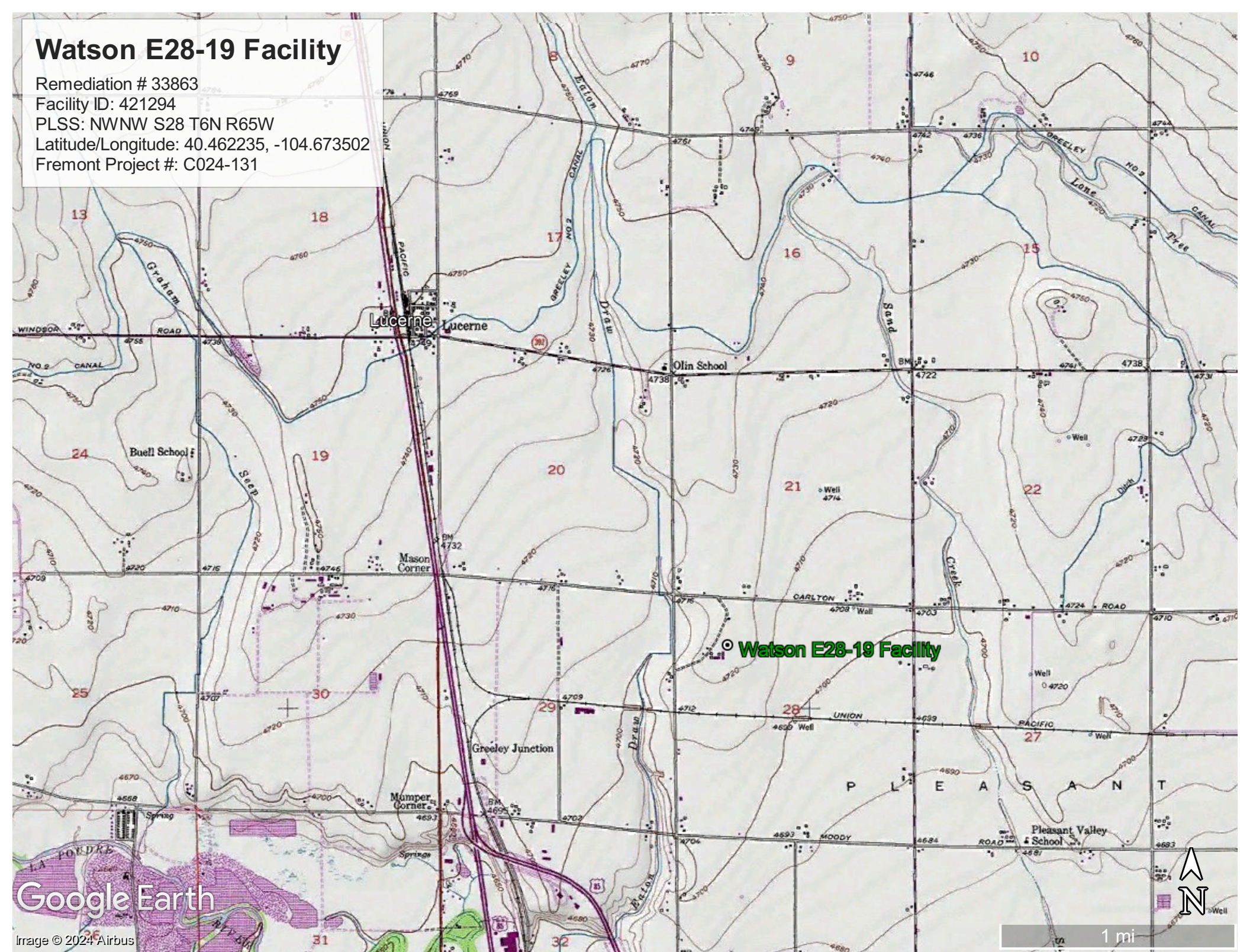
Remediation # 33863

Facility ID: 421294

PLSS: NWNW S28 T6N R65W

Latitude/Longitude: 40.462235, -104.673502

Fremont Project #: C024-131



Google Earth

Imrage © 2024 Airbus

Watson E28-19 Facility

Remediation #: 33863
Facility ID: 421294
PLSS: NWNW S28 T6N R65W
Latitude/Longitude: 40.462235, -104.673502
Fremont Project #: C024-131

Proposed BKGs

Sep01-FL 4.0'
PID (ppm): 1.5

Pwv01-N 2.0'
PID (ppm): 1.8

Pwv01-W 2.0'
PID (ppm): 1.3

MH01-surface
PID (ppm): 0

Ecd01-surface
PID (ppm): 0

Sep01-DL 4.0'
PID (ppm): 1.6

Pwv01-E 2.0'
PID (ppm): 1.0

Pvw01-B 4.0'
PID (ppm): 1.8

Pwv01-S 2.0'
PID (ppm): 0.9

Ast01-B 0.5'
PID (ppm): 0
Soil sample exceeding for organic compound



Photo Log



Description:

Ast01 footprint north of pwv excavation. Facing south



July 03, 2024

Fremont Environmental

Paul Henehan

8305 6th St, PO Box 1289

Wellington CO 80549

Project Name - Watson T6N-R65W-S28-L02

Project Number - UWRWE-A2767-ABN (C

Attached are your analytical results for Watson T6N-R65W-S28-L02 received by Origins Laboratory, Inc. June 11, 2024. This project is associated with Origins project number Y406325-01.

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

Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: UWRWE-A2767-ABN
Project: Watson T6N-R65W-S28-L02

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AST01-B 0.5FT	Y406325-01	Soil	June 11, 2024 0:00	06/11/2024 16:40
SEP01-DL 4.0FT	Y406325-02	Soil	June 11, 2024 0:00	06/11/2024 16:40
SEP01-FL 4.0FT	Y406325-03	Soil	June 11, 2024 0:00	06/11/2024 16:40
PWV01-B 4.0FT	Y406325-04	Soil	June 11, 2024 0:00	06/11/2024 16:40
PWV01-N 2.0FT	Y406325-05	Soil	June 11, 2024 0:00	06/11/2024 16:40

Chain of Custody Modification Request

On 6/27/2024, Josh Belanger from Fremont contacted Jordan Bynon via email regarding Y406325 requesting that PAH be added to all samples. Requested modifications to the chain of custody were made by Jordan Bynon on 6/27/2024.

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.

Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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

ORIGINS

LABORATORY, INC

440632S

www.originslaboratory.com

Client: Fremont Env.

Address: _____

Telephone Number: 813-514-9330

Email Address: psb@fremontenv.com

Project Manager: Paul Henehan

Project Name: WATSON T6N-R65W-S28-L02

Project Number: UWRWE-A2767-ABN (0024-131)

Samples Collected By: Voshua Belongy

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil			Air Summa Canister #
AST01-B 0.5ft	6-11-24		2	/								
Sep 01-DL 4.0ft	/		2	/								
Sep 01-FL 4.0ft	/		2	/								
DW01-B 4.0ft	/		2	/								
PW01-N 2.0ft	/		2	/								

Relinquished By: Voshua Belongy Date: 08/11/24 Time: 1500
 Received By: Origins Lab Date: 6-11-24 Time: 1500
 Temp Received: 29.8°C Date Results Needed: _____

Turnaround Time:
 Same Day
 24 Hr
 48 Hr
 Standard

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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

Sample Receipt Checklist

Origins Work Order: 4406325 Client: Fremont
 Checklist Completed by: JND/CHD Client Project ID: WATSON T6N-R65W
 Date/time completed: 6/11/12 Shipped Via: TWD
 (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, 29.0 °C / _____ °C / _____ °C (Describe) / _____ °C
 Thermometer ID: 7003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		/		SD
Is there ice present (document if blue ice is used)		/		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		/		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		/		
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?		/		10 times
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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)			/	
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) EHD Date/Time Reviewed 6/11/12

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

AST01-B 0.5FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0994	mg/L	1	B4F1215	06/12/2024	06/13/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F1202	06/12/2024	06/17/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	72.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F1205	06/12/2024	06/13/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	0.00508		0.00380	"	"	"	"	"	
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

AST01-B 0.5FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	86.9 %		70-130			B4F12 05	06/12/2024	06/13/2024	
Surrogate: Toluene-d8	97.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.51		0.499	meq/L	10	[CALC]	06/12/2024	06/13/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

O-05

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
2-Methylnaphthalene	0.003		0.002	"	"	"	"	"	
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

AST01-B 0.5FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-01 (Soil)

PAH by EPA 8270E

O-05

Dibenz (a,h) anthracene	ND		0.020	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	111 %		60-130			"	"	"	
Surrogate: Anthracene-d10	91.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	96.0 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	91.5 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.54			pH Units	1	B4F1223	06/12/2024	06/13/2024	
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SAR by 20B Saturated Paste

SAR	0.371		0.0100	SAR	1	B4F1211	06/12/2024	06/13/2024	
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Specific Conductance Mod. 9050A

Origins Laboratory, Inc.



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 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

AST01-B 0.5FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-01 (Soil)

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.310		0.00500	mmhos/cm	1	B4F1223	06/12/2024	06/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	2.88		0.279	mg/kg	10	B4F1228	06/13/2024	06/17/2024	
Barium	44.0		9.62	"	"	"	"	"	
Cadmium	ND		0.0962	"	"	"	"	"	
Copper	ND		9.62	"	"	"	"	"	
Lead	4.21		0.962	"	"	"	"	"	
Nickel	6.05		0.962	"	"	"	"	"	
Selenium	ND		0.250	"	"	"	"	"	
Silver	ND		0.0962	"	"	"	"	"	
Zinc	ND		35.6	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.119	0.299	mg/kg dry	1	2631192	06/25/2024	06/26/2024	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.

Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-DL 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.314		0.0991	mg/L	1	B4F1215	06/12/2024	06/13/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F1202	06/12/2024	06/17/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	73.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F1205	06/12/2024	06/13/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-DL 4.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	86.1 %		70-130			B4F12 05	06/12/2024	06/13/2024	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.82		0.499	meq/L	10	[CALC]	06/12/2024	06/13/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

O-05

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-DL 4.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-02 (Soil)

PAH by EPA 8270E

O-05

Dibenz (a,h) anthracene	ND		0.020	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	106 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.3 %		60-130			"	"	"	
Surrogate: Pyrene-d10	99.2 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	92.3 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.60			pH Units	1	B4F1223	06/12/2024	06/13/2024	
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SAR by 20B Saturated Paste

SAR	0.173		0.0100	SAR	1	B4F1211	06/12/2024	06/13/2024	
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Specific Conductance Mod. 9050A

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-DL 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-02 (Soil)

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.450	0.00500	mmhos/cm	1	B4F1223	06/12/2024	06/13/2024
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Table 915 metals by EPA 6020B

Arsenic	5.12	0.280	mg/kg	10	B4F1228	06/13/2024	06/17/2024
Barium	118	9.67	"	"	"	"	"
Cadmium	0.173	0.0967	"	"	"	"	"
Copper	ND	9.67	"	"	"	"	"
Lead	8.40	0.967	"	"	"	"	"
Nickel	10.9	0.967	"	"	"	"	"
Selenium	ND	0.251	"	"	"	"	"
Silver	ND	0.0967	"	"	"	"	"
Zinc	37.7	35.8	"	"	"	"	"

Total Metals 7196A

Hexavalent Chromium	ND	0.133	0.332	mg/kg dry	1	2631192	06/25/2024	06/26/2024	U
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Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-FL 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.356		0.0994	mg/L	1	B4F1215	06/12/2024	06/13/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F1202	06/12/2024	06/17/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	72.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F1205	06/12/2024	06/13/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-FL 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	87.1 %		70-130			B4F12 05	06/12/2024	06/13/2024	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.37		0.499	meq/L	10	[CALC]	06/12/2024	06/13/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

O-05

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-FL 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-03 (Soil)

PAH by EPA 8270E

O-05

Dibenz (a,h) anthracene	ND		0.020	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	107 %		60-130			"	"	"	
Surrogate: Anthracene-d10	98.2 %		60-130			"	"	"	
Surrogate: Pyrene-d10	106 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	96.3 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.61			pH Units	1	B4F1223	06/12/2024	06/13/2024	
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SAR by 20B Saturated Paste

SAR	0.261		0.0100	SAR	1	B4F1211	06/12/2024	06/13/2024	
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Specific Conductance Mod. 9050A

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

SEP01-FL 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-03 (Soil)

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.331		0.00500	mmhos/cm	1	B4F1223	06/12/2024	06/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.14		0.252	mg/kg	10	B4F1228	06/13/2024	06/17/2024	
Barium	130		8.69	"	"	"	"	"	
Cadmium	0.189		0.0869	"	"	"	"	"	
Copper	10.2		8.69	"	"	"	"	"	
Lead	8.82		0.869	"	"	"	"	"	
Nickel	11.7		0.869	"	"	"	"	"	
Selenium	ND		0.226	"	"	"	"	"	
Silver	ND		0.0869	"	"	"	"	"	
Zinc	39.6		32.2	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.135	0.339	mg/kg dry	1	2631192	06/25/2024	06/26/2024	U
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Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-B 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.314		0.0992	mg/L	1	B4F1215	06/12/2024	06/13/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F1202	06/12/2024	06/17/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	67.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F1205	06/12/2024	06/13/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-B 4.0FT
6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	86.0 %		70-130			B4F12 05	06/12/2024	06/13/2024	
Surrogate: Toluene-d8	98.7 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.80		0.499	meq/L	10	[CALC]	06/12/2024	06/13/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.526		0.435	"	"	"	"	"	

PAH by EPA 8270E

O-05

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-B 4.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-04 (Soil)

PAH by EPA 8270E

O-05

Dibenz (a,h) anthracene	ND		0.020	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	110 %		60-130			"	"	"	
Surrogate: Anthracene-d10	89.7 %		60-130			"	"	"	
Surrogate: Pyrene-d10	99.2 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	99.8 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.49			pH Units	1	B4F1223	06/12/2024	06/13/2024	
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SAR by 20B Saturated Paste

SAR	0.473		0.0100	SAR	1	B4F1211	06/12/2024	06/13/2024	
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Specific Conductance Mod. 9050A

Origins Laboratory, Inc.



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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-B 4.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-04 (Soil)

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.464		0.00500	mmhos/cm	1	B4F1223	06/12/2024	06/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.99		0.248	mg/kg	10	B4F1228	06/13/2024	06/17/2024	
Barium	115		8.54	"	"	"	"	"	
Cadmium	0.190		0.0854	"	"	"	"	"	
Copper	9.25		8.54	"	"	"	"	"	
Lead	8.47		0.854	"	"	"	"	"	
Nickel	10.9		0.854	"	"	"	"	"	
Selenium	ND		0.222	"	"	"	"	"	
Silver	ND		0.0854	"	"	"	"	"	
Zinc	40.4		31.6	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.170	0.426	mg/kg dry	1	2631192	06/25/2024	06/26/2024	U
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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-N 2.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.238		0.0993	mg/L	1	B4F1215	06/12/2024	06/13/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4F1202	06/12/2024	06/17/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	75.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4F1205	06/12/2024	06/14/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Naphthalene	ND		0.00380	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

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 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-N 2.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	86.0 %		70-130			B4F12 05	06/12/2024	06/14/2024	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.25		0.499	meq/L	10	[CALC]	06/12/2024	06/13/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

O-05

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-N 2.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-05 (Soil)

PAH by EPA 8270E

O-05

Dibenz (a,h) anthracene	ND		0.020	mg/kg	1	B4G0130	07/01/2024	07/02/2024	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua
Fluorene	ND		0.020	"	"	"	"	"	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	100 %		60-130			"	"	"	
Surrogate: Anthracene-d10	92.5 %		60-130			"	"	"	
Surrogate: Pyrene-d10	78.7 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.6 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.54			pH Units	1	B4F1223	06/12/2024	06/13/2024	
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SAR by 20B Saturated Paste

SAR	0.258		0.0100	SAR	1	B4F1211	06/12/2024	06/13/2024	
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Specific Conductance Mod. 9050A

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

PWV01-N 2.0FT

6/11/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y406325-05 (Soil)

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.268		0.00500	mmhos/cm	1	B4F1223	06/12/2024	06/13/2024	
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Table 915 metals by EPA 6020B

Arsenic	5.40		0.252	mg/kg	10	B4F1228	06/13/2024	06/17/2024	
Barium	154		8.70	"	"	"	"	"	
Cadmium	0.193		0.0870	"	"	"	"	"	
Copper	10.5		8.70	"	"	"	"	"	
Lead	9.02		0.870	"	"	"	"	"	
Nickel	12.0		0.870	"	"	"	"	"	
Selenium	ND		0.226	"	"	"	"	"	
Silver	ND		0.0870	"	"	"	"	"	
Zinc	41.4		32.2	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.133	0.332	mg/kg dry	1	2631192	06/25/2024	06/26/2024	U
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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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 B4F1202 - EPA 3550B										
Blank (B4F1202-BLK1)										
					Prepared: 06/12/2024 Analyzed: 06/17/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	20		"	24.9		80.6	50-150			

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 Project: Watson T6N-R65W-S28-L02

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 B4F1202 - EPA 3550B										
LCS (B4F1202-BS1)					Prepared: 06/12/2024 Analyzed: 06/17/2024					
Diesel (C10-C28)	854	50.0	mg/kg	1000		85.4	70-130			
Residual Range Organics (C28-C40)	922	200	"	1000		92.2	70-130			
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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 B4F1202 - EPA 3550B

Matrix Spike (B4F1202-MS1)	Source: Y406302-02			Prepared: 06/12/2024 Analyzed: 06/17/2024						
Diesel (C10-C28)	903	50.0	mg/kg	1000	ND	90.3	70-130			
Residual Range Organics (C28-C40)	964	200	"	1000	ND	96.4	70-130			
Surrogate: o-Terphenyl	41		"	49.8		81.5	50-150			

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 Project: Watson T6N-R65W-S28-L02

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 B4F1202 - EPA 3550B										
Matrix Spike Dup (B4F1202-MSD1)					Source: Y406302-02					Prepared: 06/12/2024 Analyzed: 06/17/2024
Diesel (C10-C28)	874	50.0	mg/kg	1000	ND	87.4	70-130	3.32	35	
Residual Range Organics (C28-C40)	945	200	"	1000	ND	94.5	70-130	1.98	35	
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

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 Project: Watson T6N-R65W-S28-L02

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 B4F1205 - EPA 5030 (soil)										
Blank (B4F1205-BLK1)										
					Prepared: 06/12/2024 Analyzed: 06/13/2024					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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 B4F1205 - EPA 5030 (soil)

LCS (B4F1205-BS1)

Prepared: 06/12/2024 Analyzed: 06/13/2024

1,2,4-Trimethylbenzene	0.0983	0.00200	mg/kg	0.100		98.3	70-130			
1,3,5-Trimethylbenzene	0.0969	0.00200	"	0.100		96.9	70-130			
Benzene	0.0912	0.00200	"	0.100		91.2	70-130			
Ethylbenzene	0.0931	0.00200	"	0.100		93.1	70-130			
Naphthalene	0.0999	0.00380	"	0.100		99.9	70-130			
Toluene	0.0929	0.00200	"	0.100		92.9	70-130			
o-Xylene	0.0973	0.00200	"	0.100		97.3	70-130			
m,p-Xylene	0.184	0.00400	"	0.200		92.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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 B4F1205 - EPA 5030 (soil)

Matrix Spike (B4F1205-MS1)	Source: Y406290-01			Prepared: 06/12/2024 Analyzed: 06/13/2024						
1,2,4-Trimethylbenzene	0.0951	0.00200	mg/kg	0.100	ND	95.1	70-130			
1,3,5-Trimethylbenzene	0.0949	0.00200	"	0.100	ND	94.9	70-130			
Benzene	0.0911	0.00200	"	0.100	ND	91.1	70-130			
Ethylbenzene	0.0919	0.00200	"	0.100	ND	91.9	70-130			
Naphthalene	0.103	0.00380	"	0.100	ND	103	70-130			
Toluene	0.0913	0.00200	"	0.100	ND	91.3	70-130			
o-Xylene	0.0953	0.00200	"	0.100	ND	95.3	70-130			
m,p-Xylene	0.187	0.00400	"	0.200	ND	93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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 B4F1205 - EPA 5030 (soil)

Matrix Spike Dup (B4F1205-MSD1)	Source: Y406290-01			Prepared: 06/12/2024 Analyzed: 06/13/2024						
1,2,4-Trimethylbenzene	0.0930	0.00200	mg/kg	0.100	ND	93.0	70-130	2.21	20	
1,3,5-Trimethylbenzene	0.0916	0.00200	"	0.100	ND	91.6	70-130	3.47	20	
Benzene	0.0877	0.00200	"	0.100	ND	87.7	70-130	3.76	20	
Ethylbenzene	0.0899	0.00200	"	0.100	ND	89.9	70-130	2.16	20	
Naphthalene	0.104	0.00380	"	0.100	ND	104	70-130	0.868	20	
Toluene	0.0875	0.00200	"	0.100	ND	87.5	70-130	4.27	20	
o-Xylene	0.0939	0.00200	"	0.100	ND	93.9	70-130	1.52	20	
m,p-Xylene	0.183	0.00400	"	0.200	ND	91.4	70-130	2.05	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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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Metals by EPA 6000/7000 Series Methods - 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 B4F1228 - EPA 3050B

Blank (B4F1228-BLK1)

Prepared: 06/13/2024 Analyzed: 06/17/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Cadmium	ND	0.100	"							
Copper	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Silver	ND	0.100	"							
Zinc	ND	37.0	"							

LCS (B4F1228-BS1)

Prepared: 06/13/2024 Analyzed: 06/17/2024

Arsenic	5.74	0.290	mg/kg	5.00		115	80-120			
Barium	587	10.0	"	500		117	80-120			
Cadmium	5.68	0.100	"	5.00		114	80-120			
Copper	57.4	10.0	"	50.0		115	80-120			
Lead	5.67	1.00	"	5.00		113	80-120			
Nickel	5.94	1.00	"	5.00		119	80-120			
Selenium	9.62	0.260	"	9.50		101	80-120			
Silver	5.66	0.100	"	5.00		113	80-120			
Zinc	59.2	37.0	"	50.0		118	80-120			

Matrix Spike (B4F1228-MS1)

Source: Y406324-01

Prepared: 06/13/2024 Analyzed: 06/17/2024

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

Metals by EPA 6000/7000 Series Methods - 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 B4F1228 - EPA 3050B

Matrix Spike (B4F1228-MS1)		Source: Y406324-01			Prepared: 06/13/2024 Analyzed: 06/17/2024					
Arsenic	9.65	0.261	mg/kg	4.50	5.30	96.6	75-125			
Barium	694	9.01	"	450	150	121	75-125			
Cadmium	5.01	0.0901	"	4.50	0.192	107	75-125			
Copper	58.7	9.01	"	45.0	11.0	106	75-125			
Lead	13.7	0.901	"	4.50	9.57	92.3	75-125			
Nickel	15.5	0.901	"	4.50	11.6	86.5	75-125			
Selenium	9.57	0.234	"	8.56	0.168	110	75-125			
Silver	4.97	0.0901	"	4.50	0.0422	109	75-125			
Zinc	85.8	33.3	"	45.0	42.4	96.4	75-125			

Matrix Spike Dup (B4F1228-MSD1)		Source: Y406324-01			Prepared: 06/13/2024 Analyzed: 06/17/2024					
Arsenic	10.5	0.259	mg/kg	4.47	5.30	116	75-125	8.46	20	
Barium	757	8.93	"	447	150	136	75-125	8.65	20	QM-07
Cadmium	5.36	0.0893	"	4.47	0.192	116	75-125	6.79	20	
Copper	61.8	8.93	"	44.7	11.0	114	75-125	5.14	20	
Lead	15.4	0.893	"	4.47	9.57	130	75-125	11.3	20	QM-07
Nickel	17.5	0.893	"	4.47	11.6	132	75-125	12.0	20	QM-07
Selenium	9.61	0.232	"	8.49	0.168	111	75-125	0.437	20	
Silver	5.37	0.0893	"	4.47	0.0422	119	75-125	7.70	20	
Zinc	94.9	33.1	"	44.7	42.4	118	75-125	10.1	20	

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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 B4G0130 - EPA 3580

Blank (B4G0130-BLK1)

Prepared: 07/01/2024 Analyzed: 07/02/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	190		"	200		92.7	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		96.1	60-130			

LCS (B4G0130-BS1)

Prepared: 07/01/2024 Analyzed: 07/02/2024

1-Methylnaphthalene	0.177	0.002	mg/kg	0.200		88.4	70-130			
2-Methylnaphthalene	0.180	0.002	"	0.200		90.2	70-130			
Acenaphthene	0.168	0.020	"	0.200		84.0	70-130			
Anthracene	0.172	0.020	"	0.200		85.9	70-130			

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Fremont Environmental
 8305 6th St, PO Box 1289
 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

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 B4G0130 - EPA 3580

LCS (B4G0130-BS1)

Prepared: 07/01/2024 Analyzed: 07/02/2024

Benzo (a) anthracene	0.197	0.005	mg/kg	0.200		98.4	70-130			
Benzo (a) pyrene	0.179	0.020	"	0.200		89.4	70-130			
Benzo (b) fluoranthene	0.204	0.020	"	0.200		102	70-130			
Benzo (g,h,i) perylene	0.194	0.020	"	0.200		97.2	70-130			
Benzo (k) fluoranthene	0.181	0.020	"	0.200		90.3	70-130			
Chrysene	0.191	0.020	"	0.200		95.7	70-130			
Dibenz (a,h) anthracene	0.185	0.020	"	0.200		92.5	70-130			
Fluoranthene	0.190	0.020	"	0.200		95.0	70-130			
Fluorene	0.194	0.020	"	0.200		97.0	70-130			
Indeno (1,2,3-cd) pyrene	0.184	0.020	"	0.200		92.0	70-130			
Naphthalene	0.185	0.002	"	0.200		92.7	70-130			
Phenanthrene	0.184	0.020	"	0.200		91.9	70-130			
Pyrene	0.203	0.020	"	0.200		101	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		102	60-130			
Surrogate: Anthracene-d10	180		"	200		91.7	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	180		"	200		91.2	60-130			

Matrix Spike (B4G0130-MS1)

Source: Y406741-01

Prepared: 07/01/2024 Analyzed: 07/02/2024

1-Methylnaphthalene	0.201	0.002	mg/kg	0.200	0.001	99.8	70-130			
2-Methylnaphthalene	0.192	0.002	"	0.200	ND	96.1	70-130			
Acenaphthene	0.181	0.020	"	0.200	0.001	89.9	70-130			
Anthracene	0.168	0.020	"	0.200	ND	83.8	70-130			
Benzo (a) anthracene	0.213	0.005	"	0.200	ND	106	70-130			
Benzo (a) pyrene	0.215	0.020	"	0.200	ND	108	70-130			
Benzo (b) fluoranthene	0.239	0.020	"	0.200	ND	120	70-130			
Benzo (g,h,i) perylene	0.220	0.020	"	0.200	0.0005	109	70-130			

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Paul Henehan
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 Project: Watson T6N-R65W-S28-L02

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 B4G0130 - EPA 3580

Matrix Spike (B4G0130-MS1)		Source: Y406741-01			Prepared: 07/01/2024 Analyzed: 07/02/2024					
Benzo (k) fluoranthene	0.221	0.020	mg/kg	0.200	ND	111	70-130			
Chrysene	0.206	0.020	"	0.200	ND	103	70-130			
Dibenz (a,h) anthracene	0.216	0.020	"	0.200	ND	108	70-130			
Fluoranthene	0.203	0.020	"	0.200	0.001	101	70-130			
Fluorene	0.203	0.020	"	0.200	ND	101	70-130			
Indeno (1,2,3-cd) pyrene	0.209	0.020	"	0.200	ND	104	70-130			
Naphthalene	0.194	0.002	"	0.200	ND	96.9	70-130			
Phenanthrene	0.200	0.020	"	0.200	ND	100	70-130			
Pyrene	0.202	0.020	"	0.200	ND	101	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		103	60-130			
Surrogate: Anthracene-d10	190		"	200		94.4	60-130			
Surrogate: Pyrene-d10	200		"	200		99.8	60-130			
Surrogate: Benzo (a) pyrene-d12	190		"	200		95.9	60-130			

Matrix Spike Dup (B4G0130-MSD1)		Source: Y406741-01			Prepared: 07/01/2024 Analyzed: 07/02/2024					
1-Methylnaphthalene	0.216	0.002	mg/kg	0.200	0.001	107	70-130	7.37	20	
2-Methylnaphthalene	0.204	0.002	"	0.200	ND	102	70-130	5.82	20	
Acenaphthene	0.173	0.020	"	0.200	0.001	86.1	70-130	4.24	20	
Anthracene	0.170	0.020	"	0.200	ND	85.1	70-130	1.52	20	
Benzo (a) anthracene	0.195	0.005	"	0.200	ND	97.7	70-130	8.41	20	
Benzo (a) pyrene	0.195	0.020	"	0.200	ND	97.3	70-130	9.96	20	
Benzo (b) fluoranthene	0.222	0.020	"	0.200	ND	111	70-130	7.21	20	
Benzo (g,h,i) perylene	0.206	0.020	"	0.200	0.0005	103	70-130	6.24	20	
Benzo (k) fluoranthene	0.199	0.020	"	0.200	ND	99.4	70-130	10.7	20	
Chrysene	0.208	0.020	"	0.200	ND	104	70-130	0.739	20	
Dibenz (a,h) anthracene	0.207	0.020	"	0.200	ND	104	70-130	4.42	20	
Fluoranthene	0.209	0.020	"	0.200	0.001	104	70-130	2.98	20	

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 Project: Watson T6N-R65W-S28-L02

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 B4G0130 - EPA 3580

Matrix Spike Dup (B4G0130-MSD1)	Source: Y406741-01			Prepared: 07/01/2024 Analyzed: 07/02/2024						
Fluorene	0.186	0.020	mg/kg	0.200	ND	92.8	70-130	8.85	20	
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200	ND	103	70-130	1.30	20	
Naphthalene	0.190	0.002	"	0.200	ND	95.2	70-130	1.84	20	
Phenanthrene	0.196	0.020	"	0.200	ND	98.2	70-130	1.90	20	
Pyrene	0.222	0.020	"	0.200	ND	111	70-130	9.82	20	
Surrogate: Fluorene-d10	190		ug/kg	200		96.6	60-130			
Surrogate: Anthracene-d10	170		"	200		87.4	60-130			
Surrogate: Pyrene-d10	220		"	200		108	60-130			
Surrogate: Benzo (a) pyrene-d12	180		"	200		91.8	60-130			

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

Classical Chemistry Parameters - 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 B4F1211 - Saturated Paste Metals

Blank (B4F1211-BLK1)

Prepared: 06/12/2024 Analyzed: 06/13/2024

Calcium PPM	ND	10.0	mg/L							
SAR	ND	0.0100	SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B4F1211-DUP1)

Source: Y406292-01

Prepared: 06/12/2024 Analyzed: 06/13/2024

SAR	ND	0.0100	SAR		2.34				200	
Calcium PPM	23.7	10.0	mg/L		24.2			2.13	50	
Magnesium PPM	4.88	10.0	"		5.25			7.31	50	
Sodium PPM	46.3	10.0	"		48.7			5.05	50	

Batch B4F1215 - DTPA Sorbitol Preparation

Blank (B4F1215-BLK1)

Prepared: 06/12/2024 Analyzed: 06/13/2024

Boron	ND	0.100	mg/L							
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Duplicate (B4F1215-DUP1)

Source: Y406303-03

Prepared: 06/12/2024 Analyzed: 06/13/2024

Boron	0.370	0.101	mg/L		0.361			2.35	50	
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Fremont Environmental
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 Wellington CO 80549

Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4F1223 - Saturated Paste pH/EC										
Blank (B4F1223-BLK1)					Prepared: 06/12/2024 Analyzed: 06/13/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4F1223-DUP1)					Source: Y406292-01 Prepared: 06/12/2024 Analyzed: 06/13/2024					
pH	8.46		pH Units		8.44		0.237	25		
Specific Conductance (EC)	0.531	0.00500	mmhos/cm		0.551		3.84	25		

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Paul Henehan
 Project Number: UWRWE-A2767-ABN
 Project: Watson T6N-R65W-S28-L02

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2631192 - SW846 3060A										
BLANK (1205771083-BLK)					Prepared: 06/25/2024 Analyzed: 06/26/2024					
Hexavalent Chromium	ND	0.302	mg/kg				-			U
LCS (1205771084-BKS)					Prepared: 06/25/2024 Analyzed: 06/26/2024					
Hexavalent Chromium	2.83	0.280	mg/kg	2.80		101	80-120			
DUP (1205771085 D)					Source: 671527001 Prepared: 06/25/2024 Analyzed: 06/26/2024					
Hexavalent Chromium	ND	0.282	mg/kg dry		<0.113		0-50	N/A	50	U
MS (1205771086 S)					Source: 671527001 Prepared: 06/25/2024 Analyzed: 06/26/2024					
Hexavalent Chromium	0.881	0.282	mg/kg dry	2.82	<0.113	29.9	75-125			
DUP (1205771087 D)					Source: Y406325-03 Prepared: 06/25/2024 Analyzed: 06/26/2024					
Hexavalent Chromium	ND	0.339	mg/kg dry		<0.136		0-50	N/A	50	U
MS (1205771088 S)					Source: Y406325-03 Prepared: 06/25/2024 Analyzed: 06/26/2024					
Hexavalent Chromium	1.25	0.339	mg/kg dry	3.39	<0.136	35.4	75-125			
ILCS (1205771089-ILCS)					Prepared: 06/25/2024 Analyzed: 06/26/2024					
Hexavalent Chromium	5.34	0.255	mg/kg	5.15		104	80-120			

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Paul Henehan
Project Number: UWRWE-A2767-ABN
Project: Watson T6N-R65W-S28-L02

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

O-05 This sample was extracted outside of the EPA recommended holding time.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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