

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
DP406 PAD, WELD COUNTY, COLORADO
FREMONT C024-078

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**		
North	4/9/2024	0.8	<0.00200	<0.00200	<0.00200	<0.00200	0.00276	<0.00200	<0.002	1.08	1.08	<25.0	<100
Center	4/9/2024	0.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.002	<125.2	<0.200	<25.0	<100
South	4/9/2024	0.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002	<125.2	<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 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
DP406 PAD, WELD COUNTY, COLORADO
REM #

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
North	4/9/2024	0.8	<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
Center	4/9/2024	0.8	<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
South	4/9/2024	0.8	<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

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 = Material excavated and transported off site for disposal.

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
DP406 PAD, WELD COUNTY, COLORADO
REM #

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
North	4/9/2024	0.8	8.09	2.61	1.42	0.457
Center	4/9/2024	0.8	8.33	0.773	2.09	0.318
South	4/9/2024	0.8	8.40	0.394	2.08	0.137
BG-NE	4/9/2024	0.8	8.62	0.315	0.695	0.276
BG-NW	4/9/2024	0.8	7.54	0.0986	0.123	<0.0994
BG-E	4/9/2024	0.8	8.14	1.10	0.377	<0.0995
BG-S	4/9/2024	0.8	8.28	0.395	0.141	0.204
BG-W	4/9/2024	0.8	7.04	0.0873	0.0949	<0.0996
Maximum Root Background Concentration (0 - 3 ft)			8.62	1.10	0.695	0.276

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.

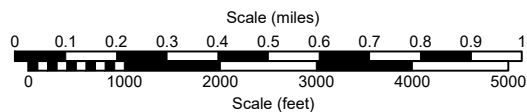
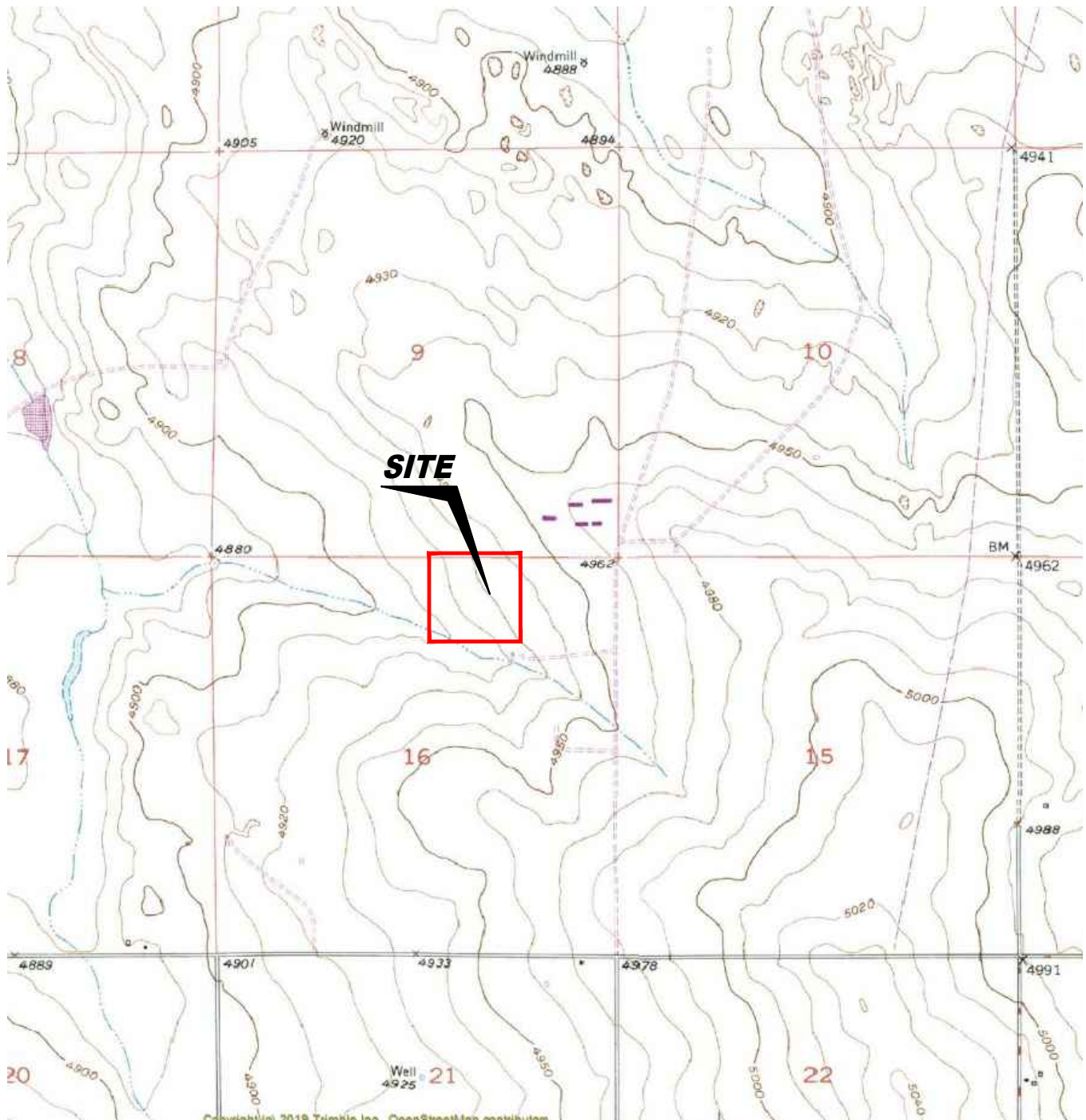
 = Material excavated and transported off site for disposal.

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
DP406 PAD, WELD COUNTY, COLORADO
REM #

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
North	4/9/2024	0.8	5.47	188	0.205	<0.153	15.8	10.4	14.2	<0.248	<0.0955	52.4
Center	4/9/2024	0.8	3.48	245	0.136	<0.122	10.2	7.12	7.61	<0.230	<0.0884	32.7
South	4/9/2024	0.8	3.41	143	0.114	<0.113	10.1	7.20	6.81	<0.224	<0.0862	41.0
BG-NE	4/9/2024	0.8	5.90	119	0.229	<0.0972	12.6	10.6	15.2	<0.238	<0.0915	52.1
BG-NW	4/9/2024	0.8	2.53	65.4	0.245	<0.114	<8.81	9.17	5.79	<0.229	<0.0881	<32.6
BG-E	4/9/2024	0.8	3.07	80.4	0.243	<0.148	<9.67	10.5	6.91	0.307	<0.0967	<35.8
BG-S	4/9/2024	0.8	3.68	97.3	0.278	<0.139	9.90	11.6	8.88	0.271	<0.0956	38.2
BG-W	4/9/2024	0.8	2.25	57.9	0.193	<0.124	<9.05	8.30	4.39	<0.235	<0.0905	<33.5
Maximum Root Zone Background Concentration (0 - 3 ft)			5.90	97.3	0.278	<0.148	12.6	11.6	15.2	0.307	<0.0967	52.1
125% Average Root Zone Background Concentration (0 - 3 ft)			7.38	121.6	0.348		15.8	14.5	19.00	0.384		65.1

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 = Material excavated and transported off site for disposal.



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Chevron ~ DP402 Pig Launcher
NENW Sec. 16, T2N, R64W, 6th PM
Weld County, Colorado
40.145120°, -104.558235°

Project # C024-078	Facility # 451499	Drawn By TA	
Date 4/27/24	Reviewed By PH	Filename 24078T	



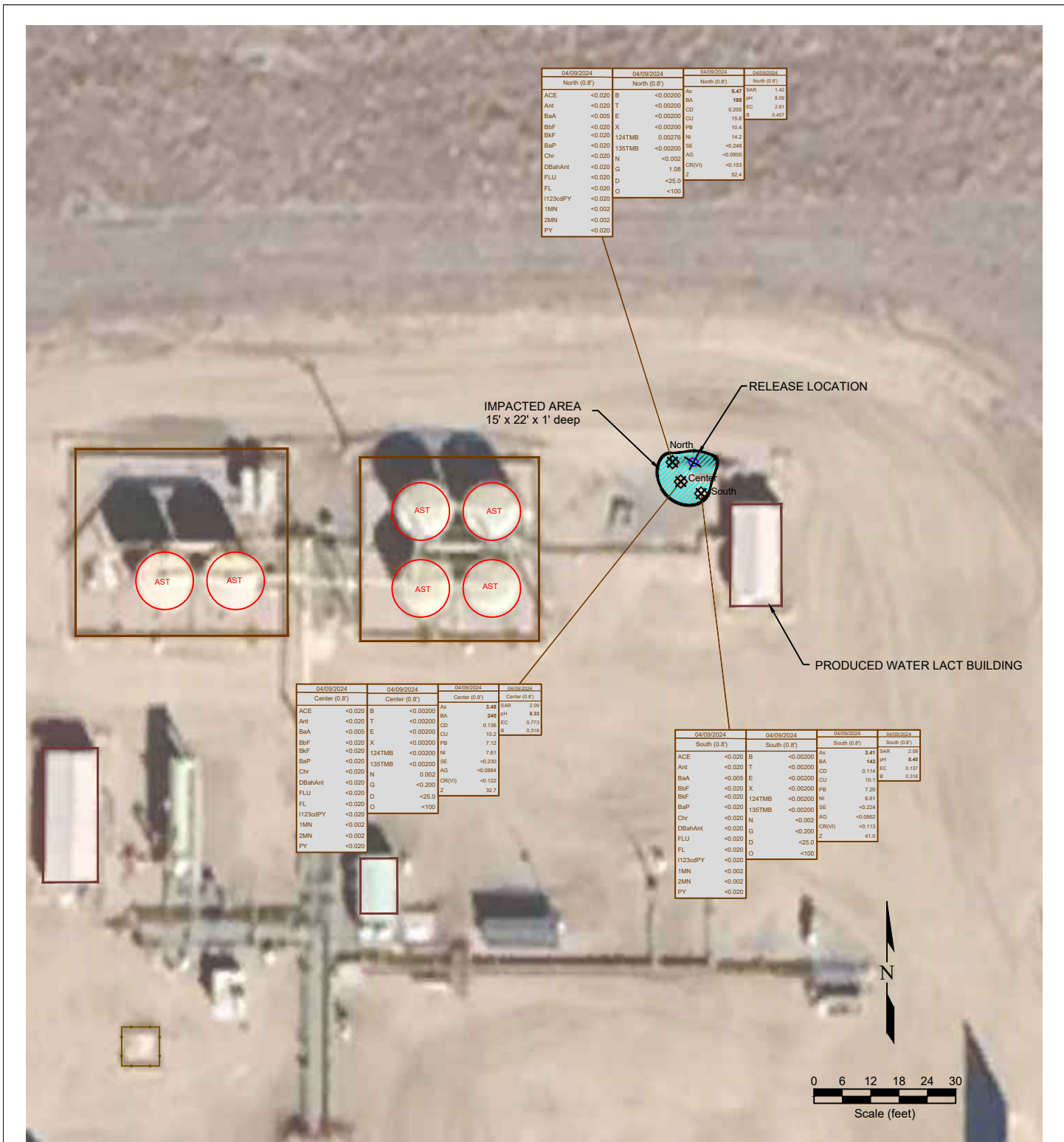
LEGEND

RELEASE LOCATION	ABOVE GROUND STORAGE TANK	IMPACTED AREA	CONTAINMENT WALL
		FLOW LINE	FENCE LINE
		BUILDING	CONTAINMENT BERM
			IMPACTED AREA

Figure 2
SITE MAP

Chevron ~ DP406 Pig Launcher
NENW Sec. 16, T2N, R64W, 6th PM
Weld County, Colorado
40.145120°, -104.558235°

Project No. C024-078	Facility # 451499	Drawn By TA	
Date 4/27/24	Reviewed By PH	Filename 24078Q	



04/09/2024	04/09/2024	04/09/2024	04/09/2024
North (0.8')	North (0.8')	North (0.8')	North (0.8')
ACE	<0.020	B	<0.00200
Ant	<0.020	T	<0.00200
BaA	<0.005	E	<0.00200
BbF	<0.020	X	<0.00200
BbP	<0.020	124TMB	0.00276
BaP	<0.020	N	<0.00200
Chr	<0.020	G	<0.002
DBahAnt	<0.020	D	<25.0
FLU	<0.020	O	<100
FL	<0.020		
1123cdPY	<0.020		
1MN	<0.002		
2MN	<0.002		
PY	<0.020		

04/09/2024	04/09/2024	04/09/2024	04/09/2024
Center (0.8')	Center (0.8')	Center (0.8')	Center (0.8')
ACE	<0.020	B	<0.00200
Ant	<0.020	T	<0.00200
BaA	<0.005	E	<0.00200
BbF	<0.020	X	<0.00200
BbP	<0.020	124TMB	0.00276
Chr	<0.020	N	<0.00200
DBahAnt	<0.020	G	<0.002
FLU	<0.020	D	<25.0
FL	<0.020	O	<100
1123cdPY	<0.020		
1MN	<0.002		
2MN	<0.002		
PY	<0.020		

04/09/2024	04/09/2024	04/09/2024	04/09/2024
South (0.8')	South (0.8')	South (0.8')	South (0.8')
ACE	<0.020	B	<0.00200
Ant	<0.020	T	<0.00200
BaA	<0.005	E	<0.00200
BbF	<0.020	X	<0.00200
BbP	<0.020	124TMB	0.00276
Chr	<0.020	N	<0.00200
DBahAnt	<0.020	G	<0.002
FLU	<0.020	D	<25.0
FL	<0.020	O	<100
1123cdPY	<0.020		
1MN	<0.002		
2MN	<0.002		
PY	<0.020		

LEGEND

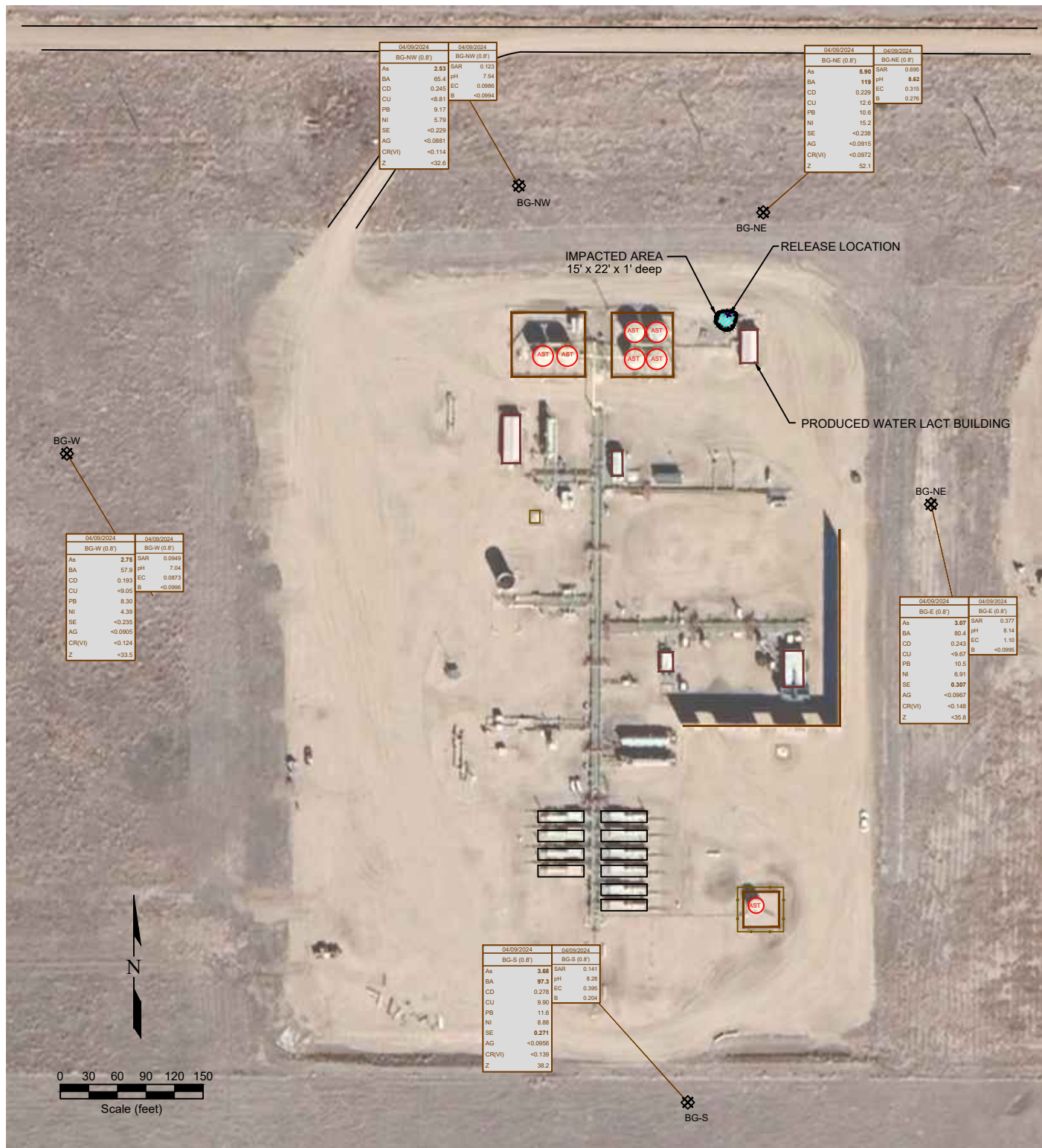
- RELEASE LOCATION
- SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- IMPACTED AREA
- BUILDING
- CONTAINMENT WALL
- FENCE LINE
- CONTAINMENT BERM
- IMPACTED AREA

04/09/2024	DATE SAMPLED	04/09/2024	DATE SAMPLED	04/09/2024	DATE SAMPLED	04/09/2024	DATE SAMPLED
North (0.8')	SAMPLE ID and DEPTH (ft)	North (0.8')	SAMPLE ID and DEPTH (ft)	North (0.8')	SAMPLE ID and DEPTH (ft)	North (0.8')	SAMPLE ID and DEPTH (ft)
ACE	<0.020	B	<0.00200	As	5.47	As	5.47
Ant	<0.020	T	<0.00200	BA	189	BA	189
BaA	<0.005	E	<0.00200	CD	0.285	CD	0.285
BbF	<0.020	X	<0.00200	CU	10.2	CU	10.2
BbP	<0.020	124TMB	0.00276	Ni	7.61	Ni	7.61
BaP	<0.020	N	<0.00200	SE	<0.230	SE	<0.230
Chr	<0.020	G	<0.002	AG	<0.0884	AG	<0.0884
DBahAnt	<0.020	D	<25.0	CR(VI)	<0.122	CR(VI)	<0.122
FLU	<0.020	O	<100	Z	32.7	Z	32.7
FL	<0.020						
1123cdPY	<0.020						
1MN	<0.002						
2MN	<0.002						
PY	<0.020						

Figure 3
SOIL CHEMISTRY MAP

Chevron ~ DP406 Pig Launcher
NENW Sec. 16, T2N, R64W, 6th PM
Weld County, Colorado
40.145120°, -104.558235°

Project No. C024-078	Facility # 451499	Drawn By TA	
Date 4/27/24	Reviewed By PH	Filename 24078Q	



LEGEND



DATE SAMPLED	SAMPLE ID & DEPTH (ft)
04/09/2024	5101.6 (2')
As	3.42
BA	84.8
CD	0.03
CU	5.45
PB	6.03
NI	5.29
SE	<0.265
AG	0.0286
CR(VI)	<0.39
Z	35.4

DATE SAMPLED	SAMPLE ID & DEPTH (ft)
04/09/2024	W01 (0.5')
As	4.03
BA	8.21
EC	4.31
EC	3.32

Figure 4
BACKGROUND SAMPLE SOIL CHEMISTRY MAP

Chevron ~ DP406 Pig Launcher
NENW Sec. 16, T2N, R64W, 6th PM
Weld County, Colorado
40.145120°, -104.558235°

Project No. C024-078	Facility # 451499	Drawn By TA	
Date 4/27/24	Reviewed By PH	Filename 240781	

Photo Log



Description:

#1 - DP402/Hullabaloo Facility

Photo Log



Description:

#2 - Looking northeast at pig launcher where release occurred

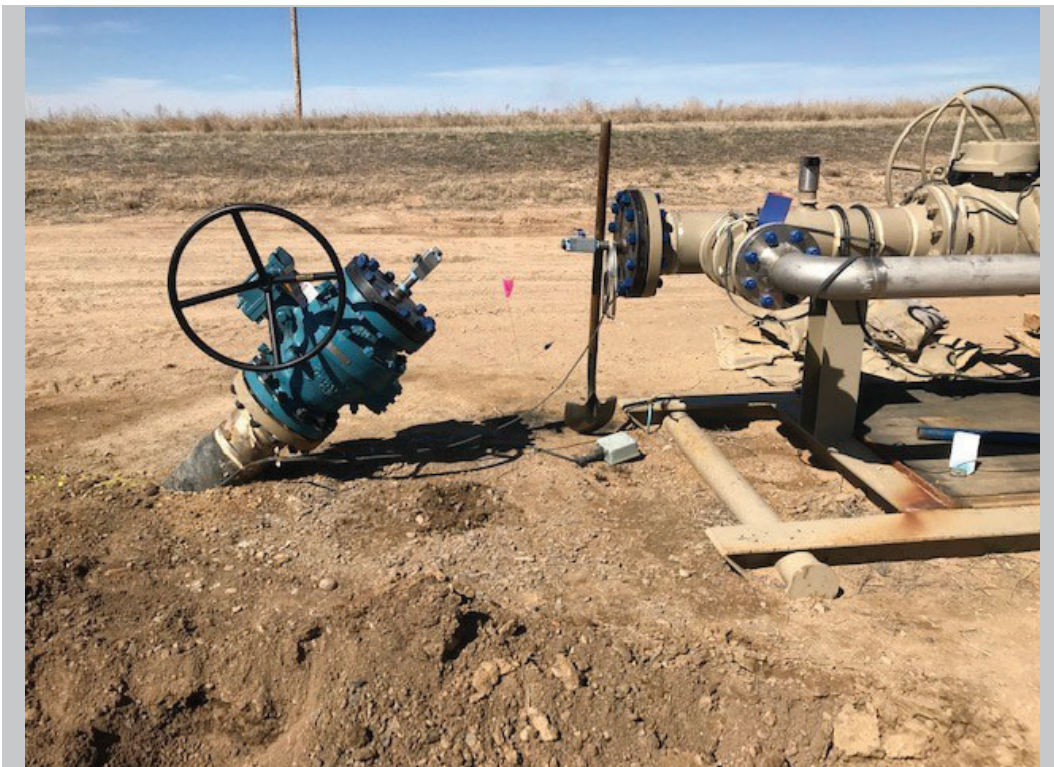
Photo Log



Description:

#3 - Looking southeast at impacted soil area that has been partially excavated. Note LACT building in background.

Photo Log



Description:

#4 - Looking north at failure location; failed section has been removed from system.

Photo Log



Description:

#5 - Failed section of pipe. Band on the left side of pipe was used as a leak clamp.

Photo Log



Description:

#6 - Inside of failed pipe section.

Photo Log



Description:

#7 - Looking North at Excavated Area

Photo Log



Description:

#8 - Looking East at Excavated Area



April 17, 2024

Fremont Environmental

Paul Henehan

8305 6th St, PO Box 1289

Wellington CO 80549

Project Name - DP406

Project Number - [none]

Attached are your analytical results for DP406 received by Origins Laboratory, Inc. April 09, 2024. This project is associated with Origins project number Y404273-01.

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: [none]
Project: DP406

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NORTH	Y404273-01	Soil	April 9, 2024 0:00	04/09/2024 17:00
CENTER	Y404273-02	Soil	April 9, 2024 0:00	04/09/2024 17:00
SOUTH	Y404273-03	Soil	April 9, 2024 0:00	04/09/2024 17:00
BG-NE	Y404273-04	Soil	April 9, 2024 0:00	04/09/2024 17:00
BG-NW	Y404273-05	Soil	April 9, 2024 0:00	04/09/2024 17:00
BG-E	Y404273-06	Soil	April 9, 2024 0:00	04/09/2024 17:00
BG-S	Y404273-07	Soil	April 9, 2024 0:00	04/09/2024 17:00
BG-W	Y404273-08	Soil	April 9, 2024 0:00	04/09/2024 17:00

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: [none]
Project: DP406

ORIGINS WORK ORDER # 4404273

ORIGINS
LABORATORY LLC
Client: CHEVRON/FREMONT
Address:

Page 1 of 1

Project Manager: HENEHAN
Project Name: DP406
Project Number:
Key: W= Water
GW=Groundwater
SW=Surface Water
WW=Waste Water
L=Liquid
Collected By: HENEHAN
Invoice/Billing Info:
Telephone Number:
Email Address: paulh@fremontenv.com

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis	Comments
1 NORTH	4/9/24		2			915 Metals	
2 CENTER						915 Inorganic	
3 SOUTH							
4 BG-NE							
5 BG-NW							
6 BG-E							
7 BG-S							
8 BG-W							
9							
10							

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<u>[Signature]</u>	4/9/24	1700	<u>[Signature]</u>	4/9/24	1700
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Turnaround Time	Received On Ice?
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> 72 Hr <input type="checkbox"/> Standard	<input type="checkbox"/> Yes <input type="checkbox"/> No

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Temp Received-

Received On Ice?

For Lab Sample Receiving Only

11

Origins Laboratory, Inc.

J. Bynon

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

Paul Henehan
Project Number: [none]
Project: DP406

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y404273 Client: Fremont
Client Project ID: DP406
Checklist Completed by: EMO/SA Shipped Via: HD
Date/time completed: 4/9/12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
Airbill #: N/A
Matrix(s) Received: (Check all that apply) ☒ Soil/Solid ☐ Water ☐ Other: _____ (Describe)
Cooler Number/Temperature: 1/1 °C / _____ °C / _____ °C / _____ °C
Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
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⁾ ?		<input checked="" type="checkbox"/>		
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):	<u>No times matrix, or pres</u>			

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 4/10/12

Origins Laboratory, Inc.

[Signature]

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

Paul Henehan
Project Number: [none]
Project: DP406

NORTH
4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y404273-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.457	0.0993	mg/L	1	B4D1012	04/10/2024	04/11/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D1001	04/10/2024	04/11/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	95.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00276	0.00200	mg/kg	1	B4D1046	04/10/2024	04/12/2024	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	1.08	0.200	"	"	"	"	04/12/2024	

Surrogate: 1,2-Dichloroethane-d4	126 %	70-130			"	"	04/12/2024	
Surrogate: Toluene-d8	96.5 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Paul Henehan
Project Number: [none]
Project: DP406

NORTH

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	96.8 %	70-130	B4D10 46	04/10/2024	04/12/2024
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Metals by Saturated Paste by EPA 6010

Calcium	24.5	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	6.99	0.823	"	"	"	"	"
Sodium	5.66	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4D1025	04/10/2024	04/12/2024	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
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua
Fluorene	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: [none]
Project: DP406

NORTH

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-01 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND	0.020	mg/kg	1	B4D1025	04/10/2024	04/12/2024	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	103 %	60-130	"	"	"
Surrogate: Anthracene-d10	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	87.6 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	118 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.09	pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	1.42	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.61	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

Arsenic	5.47	0.277	mg/kg	10	B4D0942	04/09/2024	04/12/2024
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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: [none]
Project: DP406

NORTH

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-01 (Soil)

Table 915 metals by EPA 6020B

Barium	188	9.55	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Cadmium	0.205	0.0955	"	"	"	"	"
Copper	15.8	9.55	"	"	"	"	"
Lead	10.4	0.955	"	"	"	"	"
Nickel	14.2	0.955	"	"	"	"	"
Selenium	ND	0.248	"	"	"	"	"
Silver	ND	0.0955	"	"	"	"	"
Zinc	52.4	35.3	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.153	0.382	mg/kg dry	1	2597580	04/16/2024	04/17/2024	U
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Origins Laboratory, Inc.



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8305 6th St, PO Box 1289
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Paul Henehan
Project Number: [none]
Project: DP406

CENTER

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.318	0.0997	mg/L	1	B4D1012	04/10/2024	04/11/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D1001	04/10/2024	04/11/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	103 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4D1046	04/10/2024	04/12/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	123 %	70-130	"	"	"	"	"	
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Origins Laboratory, Inc.



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Paul Henehan
Project Number: [none]
Project: DP406

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4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.4 %	70-130	B4D10 46	04/10/2024	04/12/2024
Surrogate: 4-Bromofluorobenzene	97.2 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.43	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	1.16	0.823	"	"	"	"	"
Sodium	2.80	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4D1025	04/10/2024	04/12/2024	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
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	ND	0.020	"	"	"	"	"	Ua

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Paul Henehan
Project Number: [none]
Project: DP406

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4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-02 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4D1025	04/10/2024	04/12/2024	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	0.002	0.002	"	"	"	"	"	
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	103 %	60-130	"	"	"
Surrogate: Anthracene-d10	105 %	60-130	"	"	"
Surrogate: Pyrene-d10	90.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	116 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.33	pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	2.09	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.773	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

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Paul Henehan
Project Number: [none]
Project: DP406

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4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.48	0.256	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Barium	245	8.84	"	"	"	"	"
Cadmium	0.136	0.0884	"	"	"	"	"
Copper	10.2	8.84	"	"	"	"	"
Lead	7.12	0.884	"	"	"	"	"
Nickel	7.61	0.884	"	"	"	"	"
Selenium	ND	0.230	"	"	"	"	"
Silver	ND	0.0884	"	"	"	"	"
Zinc	ND	32.7	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.122	0.304	mg/kg dry	1	2597580	04/16/2024	04/17/2024	U
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Fremont Environmental
8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

SOUTH
4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y404273-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.137	0.0989	mg/L	1	B4D1012	04/10/2024	04/11/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4D1001	04/10/2024	04/11/2024	Ua
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	101 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4D1046	04/10/2024	04/12/2024	Ua
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Benzene	ND	0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND	0.00200	"	"	"	"	"	Ua
Toluene	ND	0.00200	"	"	"	"	"	Ua
Xylenes, total	ND	0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	121 %	70-130	"	"	"	"	"	
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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: [none]
Project: DP406

SOUTH

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.4 %	70-130	B4D10 46	04/10/2024	04/12/2024
Surrogate: 4-Bromofluorobenzene	98.2 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.11	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.86	0.435	"	"	"	"	"

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4D1025	04/10/2024	04/12/2024	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
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	Ua
Fluoranthene	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: [none]
Project: DP406

SOUTH

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-03 (Soil)

PAH by EPA 8270E

Fluorene	ND	0.020	mg/kg	1	B4D1025	04/10/2024	04/12/2024	Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	Ua
Naphthalene	ND	0.002	"	"	"	"	"	Ua
Pyrene	ND	0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	94.6 %	60-130	"	"	"
Surrogate: Anthracene-d10	103 %	60-130	"	"	"
Surrogate: Pyrene-d10	88.4 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	121 %	60-130	"	"	"

pH in Soil by 9045D

pH	8.40	pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	2.08	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.394	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

SOUTH

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.41	0.250	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Barium	143	8.62	"	"	"	"	"
Cadmium	0.114	0.0862	"	"	"	"	"
Copper	10.1	8.62	"	"	"	"	"
Lead	7.20	0.862	"	"	"	"	"
Nickel	6.81	0.862	"	"	"	"	"
Selenium	ND	0.224	"	"	"	"	"
Silver	ND	0.0862	"	"	"	"	"
Zinc	41.0	31.9	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.113	0.283	mg/kg dry	1	2597580	04/16/2024	04/17/2024	U
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Origins Laboratory, Inc.



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8305 6th St, PO Box 1289
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Paul Henehan
Project Number: [none]
Project: DP406

BG-NE
4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y404273-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.276	0.0987	mg/L	1	B4D1012	04/10/2024	04/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	1.05	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	1.19	0.823	"	"	"	"	"
Sodium	0.736	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.62		pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	0.695	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.315	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

Arsenic	5.90	0.265	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Barium	119	9.15	"	"	"	"	"
Cadmium	0.229	0.0915	"	"	"	"	"
Copper	12.6	9.15	"	"	"	"	"

Origins Laboratory, Inc.



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8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

BG-NE
4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y404273-04 (Soil)

Table 915 metals by EPA 6020B

Lead	10.6	0.915	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Nickel	15.2	0.915	"	"	"	"	"
Selenium	ND	0.238	"	"	"	"	"
Silver	ND	0.0915	"	"	"	"	"
Zinc	52.1	33.9	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.0972	0.243	mg/kg dry	1	2597580	04/16/2024	04/17/2024	U
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Origins Laboratory, Inc.



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8305 6th St, PO Box 1289
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Paul Henehan
Project Number: [none]
Project: DP406

BG-NW

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0994	mg/L	1	B4D1012	04/10/2024	04/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.54		pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	0.123	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0986	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

Arsenic	2.53	0.256	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Barium	65.4	8.81	"	"	"	"	"
Cadmium	0.245	0.0881	"	"	"	"	"

Origins Laboratory, Inc.



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

Paul Henehan
Project Number: [none]
Project: DP406

BG-NW

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-05 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	8.81	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Lead	9.17	0.881	"	"	"	"	"
Nickel	5.79	0.881	"	"	"	"	"
Selenium	0.247	0.229	"	"	"	"	"
Silver	ND	0.0881	"	"	"	"	"
Zinc	ND	32.6	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.114	0.285	mg/kg dry	1	2597580	04/16/2024	04/17/2024	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: [none]
Project: DP406

BG-E

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0995	mg/L	1	B4D1012	04/10/2024	04/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	7.89	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	2.61	0.823	"	"	"	"	"
Sodium	0.865	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.14		pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	0.377	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.10	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

Arsenic	3.07	0.281	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Barium	80.4	9.67	"	"	"	"	"
Cadmium	0.243	0.0967	"	"	"	"	"
Copper	ND	9.67	"	"	"	"	"

Origins Laboratory, Inc.



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8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

BG-E

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-06 (Soil)

Table 915 metals by EPA 6020B

Lead	10.5	0.967	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Nickel	6.91	0.967	"	"	"	"	"
Selenium	0.307	0.251	"	"	"	"	"
Silver	ND	0.0967	"	"	"	"	"
Zinc	ND	35.8	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.148	0.370	mg/kg dry	1	2597580	04/16/2024	04/17/2024	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: [none]
Project: DP406

BG-S

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.204	0.0996	mg/L	1	B4D1012	04/10/2024	04/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	2.63	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.28		pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	0.141	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.395	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

Arsenic	3.68	0.277	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Barium	97.3	9.56	"	"	"	"	"
Cadmium	0.278	0.0956	"	"	"	"	"
Copper	9.90	9.56	"	"	"	"	"

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

Paul Henehan
Project Number: [none]
Project: DP406

BG-S

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-07 (Soil)

Table 915 metals by EPA 6020B

Lead	11.6	0.956	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Nickel	8.88	0.956	"	"	"	"	"
Selenium	0.271	0.249	"	"	"	"	"
Silver	ND	0.0956	"	"	"	"	"
Zinc	38.2	35.4	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.139	0.348	mg/kg dry	1	2597580	04/16/2024	04/17/2024	U
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8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

BG-W

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-08 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0996	mg/L	1	B4D1012	04/10/2024	04/11/2024
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Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	04/11/2024	04/12/2024
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.04		pH Units	1	B4D1118	04/11/2024	04/12/2024
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SAR by 20B Saturated Paste

SAR	0.0949	0.0100	SAR	1	B4D1112	04/11/2024	04/12/2024
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0873	0.00500	mmhos/cm	1	B4D1118	04/11/2024	04/12/2024
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Table 915 metals by EPA 6020B

Arsenic	2.25	0.263	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Barium	57.9	9.05	"	"	"	"	"
Cadmium	0.193	0.0905	"	"	"	"	"

Origins Laboratory, Inc.



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8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

BG-W

4/9/2024 12:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y404273-08 (Soil)

Table 915 metals by EPA 6020B

Copper	ND	9.05	mg/kg	10	B4D0942	04/09/2024	04/12/2024
Lead	8.30	0.905	"	"	"	"	"
Nickel	4.39	0.905	"	"	"	"	"
Selenium	ND	0.235	"	"	"	"	"
Silver	ND	0.0905	"	"	"	"	"
Zinc	ND	33.5	"	"	"	"	"

Total Metals by 7196A

Hexavalent Chromium	ND	0.124	0.309	mg/kg dry	1	2597580	04/16/2024	04/17/2024	U
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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1001 - EPA 3550B										
Blank (B4D1001-BLK1)					Prepared: 04/10/2024 Analyzed: 04/11/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	23		"	24.9		94.1	50-150			

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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1001 - EPA 3550B

LCS (B4D1001-BS1)

Prepared: 04/10/2024 Analyzed: 04/11/2024

Diesel (C10-C28)	985	50.0	mg/kg	1000		98.5	70-130			
Residual Range Organics (C28-C40)	976	200	"	1000		97.6	70-130			
Surrogate: o-Terphenyl	58		"	49.8		116	50-150			

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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1001 - EPA 3550B

Matrix Spike (B4D1001-MS1)		Source: Y404206-01			Prepared: 04/10/2024 Analyzed: 04/11/2024					
Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130			
Surrogate: o-Terphenyl	61		"	49.8		122	50-150			

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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1001 - EPA 3550B										
Matrix Spike Dup (B4D1001-MSD1)		Source: Y404206-01			Prepared: 04/10/2024 Analyzed: 04/11/2024					
Diesel (C10-C28)	951	50.0	mg/kg	1000	ND	95.1	70-130	7.52	35	
Residual Range Organics (C28-C40)	912	200	"	1000	ND	91.2	70-130	10.5	35	
Surrogate: o-Terphenyl	47		"	49.8		93.6	50-150			

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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1046 - EPA 5030 (soil)										
Blank (B4D1046-BLK1)					Prepared: 04/10/2024 Analyzed: 04/12/2024					
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	0.14		"	0.125	113		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	105		70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	88.5		70-130			

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

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1046 - EPA 5030 (soil)										
LCS (B4D1046-BS1)					Prepared: 04/10/2024 Analyzed: 04/12/2024					
1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100		110	70-130			
1,3,5-Trimethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Benzene	0.0875	0.00200	"	0.100		87.5	70-130			
Ethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Naphthalene	0.0956	0.00380	"	0.100		95.6	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
m,p-Xylene	0.197	0.00400	"	0.200		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		116	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.6	70-130			

Origins Laboratory, Inc.



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

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1046 - EPA 5030 (soil)										
Matrix Spike (B4D1046-MS1)		Source: Y404210-12			Prepared: 04/10/2024 Analyzed: 04/12/2024					
1,2,4-Trimethylbenzene	0.448	0.00200	mg/kg	0.100	0.366	81.6	70-130			
1,3,5-Trimethylbenzene	0.0852	0.00200	"	0.100	0.00810	77.1	70-130			
Benzene	0.110	0.00200	"	0.100	0.00312	107	70-130			
Ethylbenzene	0.131	0.00200	"	0.100	0.0424	88.9	70-130			
Naphthalene	0.198	0.00380	"	0.100	0.169	29.2	70-130			QM-07
Toluene	0.115	0.00200	"	0.100	ND	115	70-130			
o-Xylene	0.105	0.00200	"	0.100	ND	105	70-130			
m,p-Xylene	0.189	0.00400	"	0.200	0.00144	93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		120	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.17		"	0.125		136	70-130			S-GC

Origins Laboratory, Inc.



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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1046 - EPA 5030 (soil)										
Matrix Spike Dup (B4D1046-MSD1)			Source: Y404210-12		Prepared: 04/10/2024 Analyzed: 04/12/2024					
1,2,4-Trimethylbenzene	0.341	0.00200	mg/kg	0.100	0.366	NR	70-130	27.1	20	QM-07
1,3,5-Trimethylbenzene	0.0876	0.00200	"	0.100	0.00810	79.5	70-130	2.75	20	
Benzene	0.109	0.00200	"	0.100	0.00312	106	70-130	0.802	20	
Ethylbenzene	0.114	0.00200	"	0.100	0.0424	71.5	70-130	14.2	20	
Naphthalene	0.184	0.00380	"	0.100	0.169	15.4	70-130	7.22	20	QM-07
Toluene	0.114	0.00200	"	0.100	ND	114	70-130	0.909	20	
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130	0.171	20	
m,p-Xylene	0.189	0.00400	"	0.200	0.00144	93.8	70-130	0.127	20	
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		118	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		122	70-130			

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8305 6th St, PO Box 1289
Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D0942 - EPA 3050B

Blank (B4D0942-BLK1)

Prepared: 04/09/2024 Analyzed: 04/12/2024

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 (B4D0942-BS1)

Prepared: 04/09/2024 Analyzed: 04/12/2024

Arsenic	5.68	0.290	mg/kg	5.00	114	80-120
Barium	536	10.0	"	500	107	80-120
Cadmium	5.71	0.100	"	5.00	114	80-120
Copper	58.3	10.0	"	50.0	117	80-120
Lead	5.28	1.00	"	5.00	106	80-120
Nickel	5.65	1.00	"	5.00	113	80-120
Selenium	11.2	0.260	"	9.50	117	80-120
Silver	5.51	0.100	"	5.00	110	80-120
Zinc	54.4	37.0	"	50.0	109	80-120

Matrix Spike (B4D0942-MS1)

Source: Y404246-05

Prepared: 04/09/2024 Analyzed: 04/12/2024

Origins Laboratory, Inc.



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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D0942 - EPA 3050B

Matrix Spike (B4D0942-MS1)		Source: Y404246-05			Prepared: 04/09/2024 Analyzed: 04/12/2024					
Arsenic	10.7	0.270	mg/kg	4.66	4.98	123	75-125			
Barium	630	9.32	"	466	102	113	75-125			
Cadmium	5.66	0.0932	"	4.66	0.232	117	75-125			
Copper	67.5	9.32	"	46.6	11.2	121	75-125			
Lead	14.7	0.932	"	4.66	9.28	117	75-125			
Nickel	18.2	0.932	"	4.66	13.4	103	75-125			
Selenium	9.80	0.242	"	8.85	0.122	109	75-125			
Silver	5.28	0.0932	"	4.66	0.0854	111	75-125			
Zinc	94.1	34.5	"	46.6	39.5	117	75-125			
Matrix Spike Dup (B4D0942-MSD1)		Source: Y404246-05			Prepared: 04/09/2024 Analyzed: 04/12/2024					
Arsenic	9.34	0.242	mg/kg	4.17	4.98	104	75-125	13.6	20	
Barium	546	8.35	"	417	102	106	75-125	14.3	20	
Cadmium	4.97	0.0835	"	4.17	0.232	113	75-125	13.1	20	
Copper	59.0	8.35	"	41.7	11.2	114	75-125	13.5	20	
Lead	13.4	0.835	"	4.17	9.28	99.0	75-125	9.33	20	
Nickel	16.5	0.835	"	4.17	13.4	76.0	75-125	9.37	20	
Selenium	9.38	0.217	"	7.93	0.122	117	75-125	4.44	20	
Silver	4.68	0.0835	"	4.17	0.0854	110	75-125	11.9	20	
Zinc	84.4	30.9	"	41.7	39.5	108	75-125	10.8	20	

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

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1025 - EPA 3580

Blank (B4D1025-BLK1)

Prepared: 04/10/2024 Analyzed: 04/11/2024

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	200		ug/kg	200		99.5	60-130
Surrogate: Anthracene-d10	210		"	200		106	60-130
Surrogate: Pyrene-d10	170		"	200		86.8	60-130
Surrogate: Benzo (a) pyrene-d12	240		"	200		121	60-130

LCS (B4D1025-BS1)

Prepared: 04/10/2024 Analyzed: 04/11/2024

1-Methylnaphthalene	0.197	0.002	mg/kg	0.200		98.3	70-130
2-Methylnaphthalene	0.199	0.002	"	0.200		99.6	70-130
Acenaphthene	0.169	0.020	"	0.200		84.7	70-130
Anthracene	0.178	0.020	"	0.200		88.8	70-130

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Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1025 - EPA 3580

LCS (B4D1025-BS1)

Prepared: 04/10/2024 Analyzed: 04/11/2024

Benzo (a) anthracene	0.192	0.005	mg/kg	0.200		96.0	70-130			
Benzo (a) pyrene	0.233	0.020	"	0.200		116	70-130			
Benzo (b) fluoranthene	0.233	0.020	"	0.200		117	70-130			
Benzo (g,h,i) perylene	0.236	0.020	"	0.200		118	70-130			
Benzo (k) fluoranthene	0.211	0.020	"	0.200		106	70-130			
Chrysene	0.191	0.020	"	0.200		95.7	70-130			
Dibenz (a,h) anthracene	0.284	0.020	"	0.200		142	70-130			QM-11
Fluoranthene	0.160	0.020	"	0.200		79.8	70-130			
Fluorene	0.163	0.020	"	0.200		81.4	70-130			
Indeno (1,2,3-cd) pyrene	0.247	0.020	"	0.200		124	70-130			
Naphthalene	0.174	0.002	"	0.200		87.0	70-130			
Phenanthrene	0.184	0.020	"	0.200		92.2	70-130			
Pyrene	0.166	0.020	"	0.200		82.8	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	210		"	200		104	60-130			
Surrogate: Pyrene-d10	170		"	200		86.4	60-130			
Surrogate: Benzo (a) pyrene-d12	250		"	200		124	60-130			

Matrix Spike (B4D1025-MS1)

Source: Y404099-01

Prepared: 04/10/2024 Analyzed: 04/11/2024

1-Methylnaphthalene	0.207	0.002	mg/kg	0.200	ND	104	70-130			
2-Methylnaphthalene	0.205	0.002	"	0.200	ND	103	70-130			
Acenaphthene	0.175	0.020	"	0.200	0.002	86.8	70-130			
Anthracene	0.191	0.020	"	0.200	0.0008	95.2	70-130			
Benzo (a) anthracene	0.203	0.005	"	0.200	ND	101	70-130			
Benzo (a) pyrene	0.230	0.020	"	0.200	ND	115	70-130			
Benzo (b) fluoranthene	0.243	0.020	"	0.200	0.002	120	70-130			
Benzo (g,h,i) perylene	0.245	0.020	"	0.200	0.003	121	70-130			

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Wellington CO 80549

Paul Henehan
Project Number: [none]
Project: DP406

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 B4D1025 - EPA 3580

Matrix Spike (B4D1025-MS1)		Source: Y404099-01			Prepared: 04/10/2024 Analyzed: 04/11/2024					
Benzo (k) fluoranthene	0.210	0.020	mg/kg	0.200	0.004	103	70-130			
Chrysene	0.206	0.020	"	0.200	0.001	102	70-130			
Dibenz (a,h) anthracene	0.288	0.020	"	0.200	0.003	142	70-130			QM-07
Fluoranthene	0.164	0.020	"	0.200	0.0007	81.5	70-130			
Fluorene	0.168	0.020	"	0.200	ND	83.9	70-130			
Indeno (1,2,3-cd) pyrene	0.258	0.020	"	0.200	0.003	127	70-130			
Naphthalene	0.180	0.002	"	0.200	ND	90.0	70-130			
Phenanthrene	0.190	0.020	"	0.200	ND	95.1	70-130			
Pyrene	0.167	0.020	"	0.200	ND	83.6	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.0	60-130			
Surrogate: Anthracene-d10	210		"	200		106	60-130			
Surrogate: Pyrene-d10	170		"	200		85.4	60-130			
Surrogate: Benzo (a) pyrene-d12	250		"	200		124	60-130			

Matrix Spike Dup (B4D1025-MSD1)		Source: Y404099-01			Prepared: 04/10/2024 Analyzed: 04/11/2024					
1-Methylnaphthalene	0.200	0.002	mg/kg	0.200	ND	99.8	70-130	3.68	20	
2-Methylnaphthalene	0.202	0.002	"	0.200	ND	101	70-130	1.61	20	
Acenaphthene	0.170	0.020	"	0.200	0.002	84.3	70-130	2.91	20	
Anthracene	0.177	0.020	"	0.200	0.0008	88.3	70-130	7.46	20	
Benzo (a) anthracene	0.185	0.005	"	0.200	ND	92.7	70-130	9.02	20	
Benzo (a) pyrene	0.227	0.020	"	0.200	ND	113	70-130	1.25	20	
Benzo (b) fluoranthene	0.232	0.020	"	0.200	0.002	115	70-130	4.71	20	
Benzo (g,h,i) perylene	0.238	0.020	"	0.200	0.003	117	70-130	2.93	20	
Benzo (k) fluoranthene	0.206	0.020	"	0.200	0.004	101	70-130	1.56	20	
Chrysene	0.189	0.020	"	0.200	0.001	93.8	70-130	8.77	20	
Dibenz (a,h) anthracene	0.283	0.020	"	0.200	0.003	140	70-130	1.87	20	QM-07
Fluoranthene	0.158	0.020	"	0.200	0.0007	78.7	70-130	3.49	20	

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Paul Henehan
Project Number: [none]
Project: DP406

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4D1025 - EPA 3580										
Matrix Spike Dup (B4D1025-MSD1)			Source: Y404099-01		Prepared: 04/10/2024 Analyzed: 04/11/2024					
Fluorene	0.164	0.020	mg/kg	0.200	ND	81.8	70-130	2.57	20	
Indeno (1,2,3-cd) pyrene	0.246	0.020	"	0.200	0.003	121	70-130	4.81	20	
Naphthalene	0.176	0.002	"	0.200	ND	87.9	70-130	2.38	20	
Phenanthrene	0.184	0.020	"	0.200	ND	92.1	70-130	3.24	20	
Pyrene	0.161	0.020	"	0.200	ND	80.4	70-130	3.87	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.6	60-130			
Surrogate: Anthracene-d10	210		"	200		103	60-130			
Surrogate: Pyrene-d10	170		"	200		85.5	60-130			
Surrogate: Benzo (a) pyrene-d12	250		"	200		124	60-130			

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Paul Henehan
Project Number: [none]
Project: DP406

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4D1012 - DTPA Sorbitol Preparation										
Blank (B4D1012-BLK1)					Prepared: 04/10/2024 Analyzed: 04/11/2024					
Boron	ND	0.100	mg/L							
Duplicate (B4D1012-DUP1)					Source: Y404230-02 Prepared: 04/10/2024 Analyzed: 04/11/2024					
Boron	0.328	0.0996	mg/L		0.326			0.533	50	
Batch B4D1112 - Saturated Paste Metals										
Blank (B4D1112-BLK1)					Prepared: 04/11/2024 Analyzed: 04/12/2024					
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 (B4D1112-DUP1)					Source: Y404240-01 Prepared: 04/11/2024 Analyzed: 04/12/2024					
SAR	ND	0.0100	SAR		0.547				200	
Calcium PPM	20.5	10.0	mg/L		19.7			4.13	50	
Magnesium PPM	4.52	10.0	"		4.38			3.15	50	
Sodium PPM	10.2	10.0	"		10.3			0.584	50	

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Paul Henehan
Project Number: [none]
Project: DP406

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4D1118 - Saturated Paste pH/EC										
Blank (B4D1118-BLK1)					Prepared: 04/11/2024 Analyzed: 04/12/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B4D1118-DUP1)					Source: Y404240-01 Prepared: 04/11/2024 Analyzed: 04/12/2024					
pH	8.33		pH Units		8.29			0.481	25	
Specific Conductance (EC)	0.224	0.00500	mmhos/cm		0.219			2.08	25	

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Paul Henehan
Project Number: [none]
Project: DP406

Total Metals by 7196A - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2597580 - SW846 3060A										
BLANK (1205705102-BLK)					Prepared: 04/16/2024 Analyzed: 04/17/2024					
Hexavalent Chromium	ND	0.391	mg/kg				-			U
LCS (1205705103-BKS)					Prepared: 04/16/2024 Analyzed: 04/17/2024					
Hexavalent Chromium	3.06	0.300	mg/kg	3.00		102	80-120			
DUP (1205705104 D)					Source: Y404273-01 Prepared: 04/16/2024 Analyzed: 04/17/2024					
Hexavalent Chromium	ND	0.382	mg/kg dry		<0.153		0-50	N/A	50	U
MS (1205705105 S)					Source: Y404273-01 Prepared: 04/16/2024 Analyzed: 04/17/2024					
Hexavalent Chromium	2.50	0.382	mg/kg dry	3.82	<0.153	65.3	75-125			
DUP (1205705106 D)					Source: 662851003 Prepared: 04/16/2024 Analyzed: 04/17/2024					
Hexavalent Chromium	ND	0.262	mg/kg dry		<0.105		0-50	N/A	50	U
MS (1205705107 S)					Source: 662851003 Prepared: 04/16/2024 Analyzed: 04/17/2024					
Hexavalent Chromium	0.900	0.262	mg/kg dry	2.62	<0.105	33.2	75-125			
ILCS (1205705108-ILCS)					Prepared: 04/16/2024 Analyzed: 04/17/2024					
Hexavalent Chromium	6.64	0.319	mg/kg	6.73		98.6	80-120			

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Paul Henehan
Project Number: [none]
Project: DP406

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

QM-11 Spike recovery was outside acceptance limits for LCS, however samples are non-detect for this compound.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported 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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