

Wellhead Closure Checklist						
COGCC Rule 911.a.(4) Environmental Site Closure Assessment Field Form						
Additional attachments (optional):		Pit Closure		Tank Battery Closure		Flowline Closure
Site Name & COGCC Facility Number: Prospect CO #26-914		Date: 05/24/23				Remediation Project #: 27659
Associated Wells: 05-123-18064		Age of Site: Years				Number of Photos Attached: 1
Location: (GPS coordinates of wellhead or southeastern most wellhead for multiple)					40.282210 / -104.510810	
General Condition of Site: (General observations regarding housekeeping, corrosion, waste management, etc.)						
Good Condition						
USCS Soil Type: Clayey SAND				Estimated Depth to Groundwater: Approx. 20-30'		
Hydrocarbon Impacted Soils / Spills: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)						
Strong odor observed on excavation base. No staining or odor on sidewalls of excavation.						
Salt Crusted Soils or Impacted Vegetation: (Note estimated size and if impact appears to be surficial or extends to an unknown depth)						
None observed.						
Wellhead(s)						
Well API	05-123-18064					
Age	Years					
Condition of surface around wellhead	Good					
PID Readings	N/A - Excavated Upon Arrival					
Condition of subsurface (staining present)	Strong odor observed on floor. No staining.					
PID Readings	7.8	3.8	4.3	7.4	77.9	
Sample taken? Location/Sample ID#	WH-SS-01	WH-SS-02	WH-SS-03	WH-SS-04	WH-FS-01	
Photo Number(s)	See photolog					
Other observations regarding wellheads:						
Well casing cut/capped following assessment.						
Summary						
Was impacted soil identified?						
No		Yes - less than 10 cubic yards		Yes - more than 10 cubic yards		
Total number of samples field screened: 5				Total number of samples collected: 5		
Highest PID Reading: 77.5				Total number of samples submitted to lab for analysis: 5		
If more than 10 cubic yards of impacted soil were observed:						
Vertical extent:				Estimated spill volume:		
Lateral extent: N/A				Volume of soil removed:		
Is additional investigation required?						
Was groundwater encountered during the investigation?						
No		Yes - not impacted or in contact with impacted soils		Yes - groundwater impacted and/or in contact with impacted soils		
Measured depth to groundwater:				Was remedial groundwater removal conducted? Yes No		
Date Groundwater was encountered:				Commencement date of removal:		
Sheen on groundwater? Yes No				Volume of groundwater removed prior to sampling:		
Free product observed? Yes No				Volume of groundwater removed post sampling:		
Total number of samples collected:				Total Volume of groundwater removed:		
Total number of samples submitted to lab for analysis:						

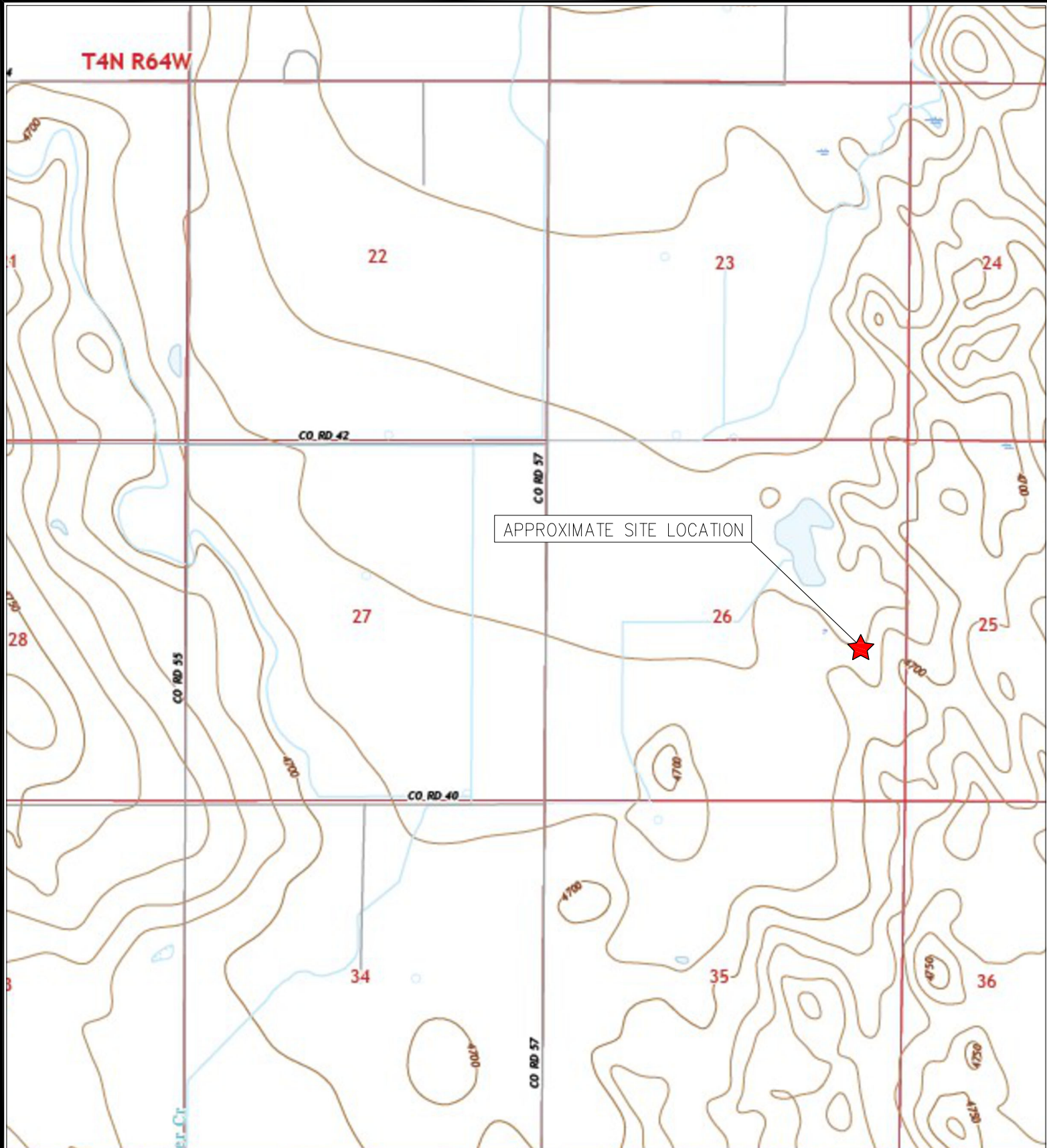


FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Analytical Map



TOPOGRAPHIC SITE LOCATION MAP
 PROSPECT CO #26-914
 CLOSURE ASSESSMENT
 40.282210 / -104.510810
 NE¼ SE¼ SEC.26 T4N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-18064
 REMEDIATION # 27659






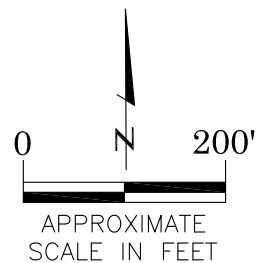
EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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



LEGEND

-  FORMER PROSPECT CO #26-914 WELLHEAD (PLUGGED AND ABANDONED)
-  ASSOCIATED SEPARATOR
-  APPROXIMATE FLOWLINE LOCATION



AERIAL SITE LOCATION MAP
PROSPECT CO #26-914
CLOSURE ASSESSMENT
40.282210 / -104.510810
NE $\frac{1}{4}$ SE $\frac{1}{4}$ SEC.26 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-18064
REMEDATION # 27659

FIGURE NO.
2

DRAWN BY:
EL



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

LEGEND

- WELLHEAD ASSESSMENT BOUNDARIES
- APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

SAMPLE LOCATION
DATE
DEPTH (FEET)
B = BENZENE (mg/kg)
T = TOLUENE (mg/kg)
E = ETHYLBENZENE (mg/kg)
X = TOTAL XYLENES (mg/kg)
N = NAPHTHALENE (mg/kg)
G = TPH-GRO (mg/kg)
D = TPH-DRO (mg/kg)
R = TPH-RRO (mg/kg)
1,2,4-TMB = 1,2,4 TRIMETHYLBENZENE (mg/kg)
1,3,5-TMB = 1,3,5 TRIMETHYLBENZENE (mg/kg)
Brn= BORON (mg/L)
EC = SPECIFIC CONDUCTANCE (mmhos/cm)
SAR= SODIUM ADSORPTION RATIO
pH = pH (pH UNITS)
PAHs (POLYCYCLIC AROMATIC HYDROCARBONS) (mg/kg)

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

(BRL) = ALL VALUES BELOW REGULATORY LIMITS

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

NOTES:
VALUES/CONCENTRATIONS EXCEEDING REGULATORY LIMITS, ONLY, DISPLAYED.

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

ECMC = ENERGY & CARBON MANAGEMENT COMMISSION

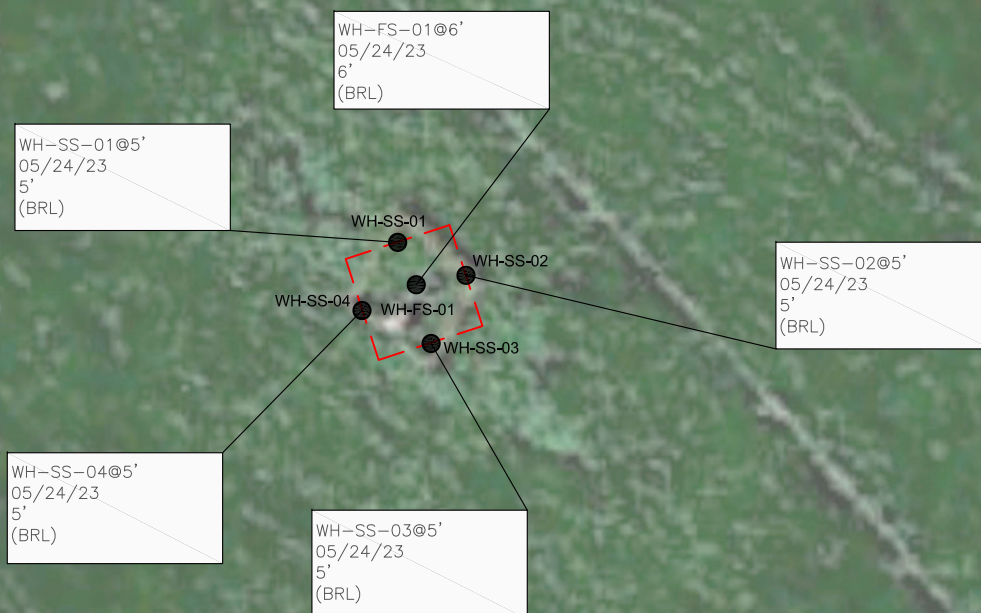
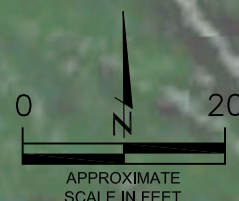
SOIL ANALYTICAL MAP
PROSPECT CO #26-914
CLOSURE ASSESSMENT
40.282210 / -104.510810
NE¼ SE¼ SEC.26 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-18064
REMEDATION # 27659

FIGURE NO.
3

DRAWN BY:
EL



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TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
PROSPECT CO #26-914
CLOSURE ASSESSMENT
40.282210 / -104.510810
NE¼ SE¼ SEC.26 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-18064
REMEDIAION # 27659

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 5' (40.282221 / -104.510829)	05/24/23	5	7.8	Y
WH-SS-02 @ 5' (40.282213 / -104.510805)	05/24/23	5	3.8	Y
WH-SS-03 @ 5' (40.282196 / -104.510815)	05/24/23	5	4.3	Y
WH-SS-04 @ 5' (40.282201 / -104.510834)	05/24/23	5	7.4	Y
WH-FS-01 @ 6' (40.282209 / -104.510819)	05/24/23	6	77.9	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = Photoionization Detector				



TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
PROSPECT CO #26-914
CLOSURE ASSESSMENT
40.282210 / -104.510810
NE¼ SEC.26 T4N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-18064
REMEDIATION # 27659

Sample Location (Latitude / Longitude)				WH-SS-01 @ 5'	WH-SS-02 @ 5'	WH-SS-03 @ 5'	WH-SS-04 @ 5'	WH-FS-01 @ 6'
				(40.282221 / -104.510829)	(40.282213 / -104.510805)	(40.282196 / -104.510815)	(40.282201 / -104.510834)	(40.282209 / -104.510819)
Sample Date				5/24/2023	5/24/2023	5/24/2023	5/24/2023	5/24/2023
Sample Depth				5'	5'	5'	5'	6'
PID Reading (ppm-v)				7.8	3.8	4.3	7.4	77.9
Regulatory Limits								
Chemical of Concern	Units	ECMC Table 915-1 RSSLs	ECMC Table 915-1 GSSLs					
VOCs								
Benzene	mg/kg	1.2	0.0026	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Toluene	mg/kg	490	0.69	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Ethylbenzene	mg/kg	5.8	0.78	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Total Xylenes	mg/kg	58	9.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
Naphthalene	mg/kg	2	0.0038	<0.00380	<0.00380	<0.00380	<0.00380	<0.00380
1,2,4-Trimethylbenzene	mg/kg	30	0.0081	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
1,3,5-Trimethylbenzene	mg/kg	27	0.0087	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
TOTAL PETROLEUM HYDROCARBONS								
TPH-GRO	mg/kg	500	--	<0.200	<0.200	<0.200	<0.200	14.1
TPH-DRO	mg/kg	500	--	<25.0	<25.0	<25.0	157	329
TPH-RRO	mg/kg	500	--	<100	<100	<100	167	<100
POLYCYCLIC AROMATIC HYDROCARBONS								
1-Methyl-naphthalene	mg/kg	18	0.006	<0.00201	<0.00201	<0.00201	<0.00201	0.00326
2-Methyl-naphthalene	mg/kg	24	0.019	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201
Acenaphthene	mg/kg	360	0.55	<0.00067	<0.00067	<0.00067	<0.00067	0.0041
Anthracene	mg/kg	1800	5.8	<0.00067	<0.00067	<0.00067	0.000538	<0.00067
Benzo(a)-anthracene	mg/kg	1.1	0.011	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Benzo(a)-pyrene	mg/kg	0.11	0.24	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Benzo(b)-fluoranthene	mg/kg	1.1	0.3	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Benzo(k)-fluoranthene	mg/kg	11	2.9	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Chrysene	mg/kg	110	9	<0.00067	<0.00067	<0.00067	0.00112	<0.00067
Dibenzo(a,h)-anthracene	mg/kg	0.11	0.096	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Fluoranthene	mg/kg	240	8.9	<0.00067	<0.00067	<0.00067	0.000634	0.00112
Fluorene	mg/kg	240	0.54	<0.00067	<0.00067	<0.00067	0.00123	0.0106
Indeno(1,2,3-cd)-pyrene	mg/kg	1.1	0.98	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
Pyrene	mg/kg	180	1.3	<0.00067	<0.00067	<0.00067	0.00179	0.0114
SOIL SUITABILITY (Inorganics)								
Boron	mg/L	2	--	0.563	0.333	0.250	0.453	0.450
pH	standard unit	6-8.3	--	7.90	8.22	8.29	8.11	8.28
Sodium Adsorption Ratio (SAR)	--	<6	--	3.47	2.56	0.687	2.21	2.04
Specific Conductance (EC)	mmhos/cm	<4	--	1.44	0.702	0.846	0.727	0.916
ECMC = Energy & Carbon Management Commission VOCs - Volatile Organic Compounds mg/kg = milligrams per kilogram RSSLs = Residential Soil Screening Levels mmhos/cm = millimhos per centimeter GSSLs = Protection of Groundwater Soil Screening Levels PID = Photoionization Detector TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics ppm-v = parts per million by volume TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics mg/L = milligrams per liter TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics SAR = Sodium Adsorption Ratio Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit and/or minimum detection limit. Values presented in BOLD exceed ECMC Table 915-1 Regulatory Limits.								



ATTACHMENT A

Photo Log

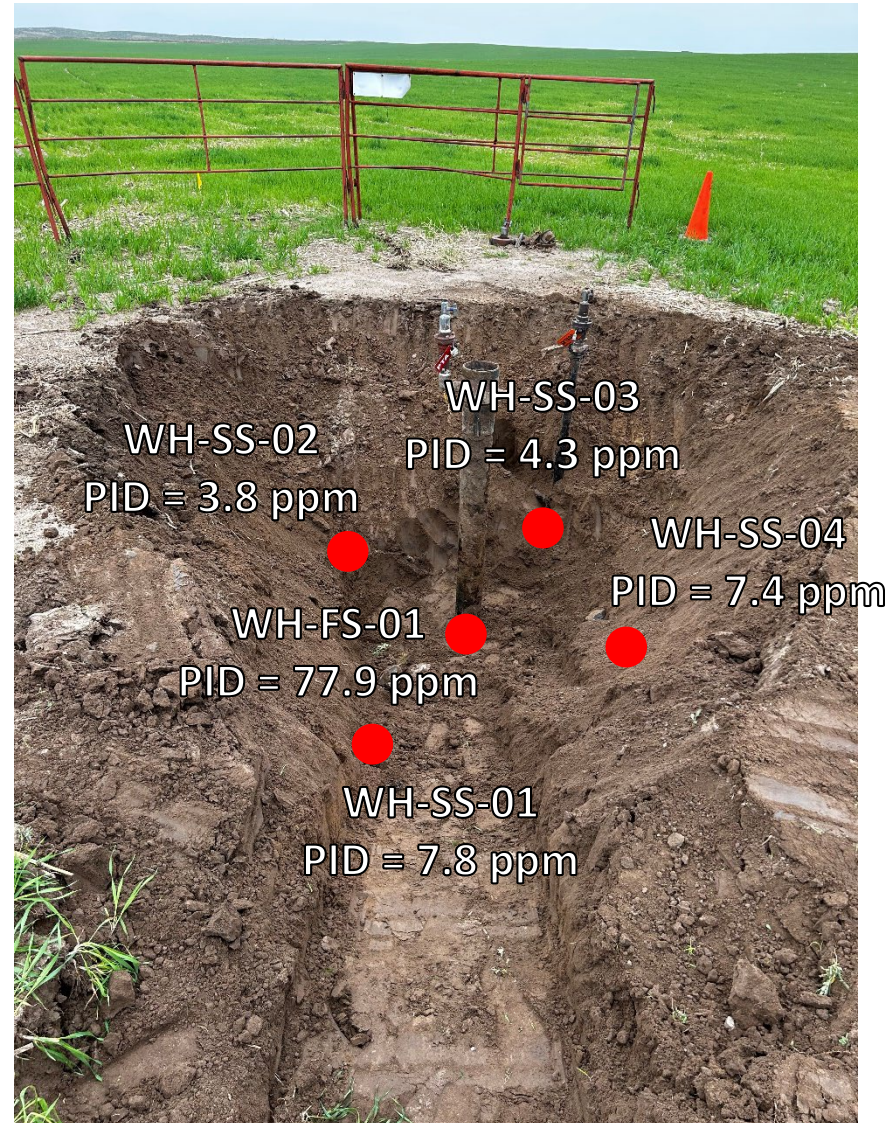
Prospect CO #26-914
API # 05-123-18064
Remediation # 27659

Closure Assessment

May 2023



Wellhead Excavation – 05/24/23



Looking southeast

Petroleum hydrocarbon odor observed. No staining observed



ATTACHMENT B

Laboratory Analytical Report



June 07, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Prospect CO #26-914

Project Number - [none]

Attached are your analytical results for Noble - Prospect CO #26-914 received by Origins Laboratory, Inc. May 24, 2023. This project is associated with Origins project number Y305659-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-SS-01@5'	Y305659-01	Soil	May 24, 2023 9:25	05/24/2023 15:39
WH-SS-02@5'	Y305659-02	Soil	May 24, 2023 9:27	05/24/2023 15:39
WH-SS-03@5'	Y305659-03	Soil	May 24, 2023 9:29	05/24/2023 15:39
WH-SS-04@5'	Y305659-04	Soil	May 24, 2023 9:31	05/24/2023 15:39
WH-FS-01@6'	Y305659-05	Soil	May 24, 2023 9:33	05/24/2023 15:39

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y305659

Client: Eagle

Client Project ID: Prospect CO 26-914

Checklist Completed by: JG/ELH

Shipped Via: HA

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

Date/time completed: 5/25/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 5.0 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: T604

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
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⁾ ?	/			
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: (Signature) (Project Manager)

Date/Time Reviewed: 5/26/23

Origins Laboratory, Inc.

(Signature)

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-01@5'
5/24/2023 9:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.563	0.0993	mg/L	1	B3E2608	05/26/2023	05/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E2523	05/25/2023	05/27/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.7 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E2637	05/26/2023	05/31/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-01@5'

5/24/2023 9:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	91.6 %		70-130			B3E26 37	05/26/2023	05/31/2023	
Surrogate: Toluene-d8	85.1 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.97		0.499	meq/L	10	[CALC]	05/26/2023	05/30/2023	
Magnesium	1.43		0.823	"	"	"	"	"	
Sodium	5.15		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L684972	05/31/2023	06/02/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-01@5'

5/24/2023 9:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305659-01 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L684972	05/31/2023	06/02/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	60.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.5 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.90	pH Units	1	B3E2612	05/26/2023	05/27/2023
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SAR by 20B Saturated Paste

SAR	3.47	SAR	1	B3E2605	05/26/2023	05/30/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.44	0.00500	mmhos/cm	1	B3E2612	05/26/2023	05/27/2023
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Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-02@5'
5/24/2023 9:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.333	0.0994	mg/L	1	B3E2608	05/26/2023	05/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E2523	05/25/2023	05/27/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E2637	05/26/2023	05/28/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-02@5'

5/24/2023 9:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	99.8 %		70-130			B3E26 37	05/26/2023	05/28/2023
Surrogate: Toluene-d8	84.4 %		70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	107 %		70-130			"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.47		0.499	meq/L	10	[CALC]	05/26/2023	05/30/2023
Magnesium	ND		0.823	"	"	"	"	"
Sodium	2.66		0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L684972	05/31/2023	06/02/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-02@5'

5/24/2023 9:27:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y305659-02 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L684972	05/31/2023	06/02/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	70.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	67.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.22	pH Units	1	B3E2612	05/26/2023	05/27/2023
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SAR by 20B Saturated Paste

SAR	2.56	SAR	1	B3E2605	05/26/2023	05/30/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.702	0.00500	mmhos/cm	1	B3E2612	05/26/2023	05/27/2023
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Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-03@5'
5/24/2023 9:29:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.250	0.0987	mg/L	1	B3E2608	05/26/2023	05/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E2523	05/25/2023	05/27/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	90.6 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E2637	05/26/2023	05/28/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-03@5'
5/24/2023 9:29:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	96.5 %		70-130			B3E26 37	05/26/2023	05/28/2023
Surrogate: Toluene-d8	82.7 %		70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	106 %		70-130			"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.81		0.499	meq/L	10	[CALC]	05/26/2023	05/30/2023
Magnesium	ND		0.823	"	"	"	"	"
Sodium	0.738		0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L685136	06/01/2023	06/02/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-03@5'

5/24/2023 9:29:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305659-03 (Soil)

PAH by 8270D SIM

Fluoranthene	ND	0.000394	0.00067	mg/Kg	1	L685136	06/01/2023	06/02/2023
Fluorene	ND	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.4 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.29	pH Units	1	B3E2612	05/26/2023	05/27/2023
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SAR by 20B Saturated Paste

SAR	0.687	SAR	1	B3E2605	05/26/2023	05/30/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.846	0.00500 mmhos/cm	1	B3E2612	05/26/2023	05/27/2023
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Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-04@5'
5/24/2023 9:31:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.453	0.100	mg/L	1	B3E2608	05/26/2023	05/30/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	157	25.0	mg/kg	1	B3E2523	05/25/2023	05/27/2023
Residual Range Organics (C28-C40)	167	100	"	"	"	"	"

Surrogate: o-Terphenyl	91.3 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E2637	05/26/2023	05/28/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-04@5'

5/24/2023 9:31:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			B3E26 37	05/26/2023	05/28/2023	
Surrogate: Toluene-d8	86.0 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.68		0.499	meq/L	10	[CALC]	05/26/2023	05/30/2023	
Magnesium	0.860		0.823	"	"	"	"	"	
Sodium	2.49		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L685136	06/01/2023	06/02/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000538	0.000334	0.00067	"	"	"	"	"	J
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00112	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.000634	0.000394	0.00067	"	"	"	"	"	J

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-SS-04@5'

5/24/2023 9:31:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y305659-04 (Soil)

PAH by 8270D SIM

Fluorene	0.00123	0.000286	0.00067	mg/Kg	1	L685136	06/01/2023	06/02/2023	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	0.00179	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	53.2 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	47.4 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	44.6 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.11			pH Units	1	B3E2612	05/26/2023	05/27/2023	
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SAR by 20B Saturated Paste

SAR	2.21			SAR	1	B3E2605	05/26/2023	05/30/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.727		0.00500	mmhos/cm	1	B3E2612	05/26/2023	05/27/2023	
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Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-9I4

WH-FS-01@6'

5/24/2023 9:33:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.450	0.0981	mg/L	1	B3E2608	05/26/2023	05/30/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	329	25.0	mg/kg	1	B3E2523	05/25/2023	05/27/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

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

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E2637	05/26/2023	05/28/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Naphthalene	ND	0.00380	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	14.1	0.200	"	"	"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-FS-01@6'

5/24/2023 9:33:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305659-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130			B3E26 37	05/26/2023	05/28/2023	
Surrogate: Toluene-d8	84.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.75		0.499	meq/L	10	[CALC]	05/26/2023	05/30/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.26		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	0.00326	0.00109	0.00201	mg/Kg	1	L685136	06/01/2023	06/02/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.0041	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00112	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

WH-FS-01@6'

5/24/2023 9:33:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305659-05 (Soil)

PAH by 8270D SIM

Fluorene	0.0106	0.000286	0.00067	mg/Kg	1	L685136	06/01/2023	06/02/2023	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	0.0114	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	43.1 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	50.5 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	42.2 %		29-110			"	"	"	

pH in Soil by 9045D

pH	8.28			pH Units	1	B3E2612	05/26/2023	05/27/2023	
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SAR by 20B Saturated Paste

SAR	2.04			SAR	1	B3E2605	05/26/2023	05/30/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.916		0.00500	mmhos/cm	1	B3E2612	05/26/2023	05/27/2023	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2523 - EPA 3550B										
Blank (B3E2523-BLK1)					Prepared: 05/25/2023 Analyzed: 05/26/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		103	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2523 - EPA 3550B

LCS (B3E2523-BS1)

Prepared: 05/25/2023 Analyzed: 05/26/2023

Diesel (C10-C28)	1050	50.0	mg/kg	1000		105	70-130			
Residual Range Organics (C28-C40)	1080	200	"	1000		108	70-130			
Surrogate: o-Terphenyl	61		"	49.8		123	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2523 - EPA 3550B

Matrix Spike (B3E2523-MS1)		Source: Y305647-01			Prepared: 05/25/2023 Analyzed: 05/26/2023					
Diesel (C10-C28)	1150	50.0	mg/kg	1000	ND	115	70-130			
Residual Range Organics (C28-C40)	1180	200	"	1000	ND	118	70-130			
Surrogate: o-Terphenyl	64		"	49.8		129	50-150			

Origins Laboratory, Inc.



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Jordan A. Bynon, Project Manager

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2523 - EPA 3550B										
Matrix Spike Dup (B3E2523-MSD1)		Source: Y305647-01			Prepared: 05/25/2023 Analyzed: 05/26/2023					
Diesel (C10-C28)	983	50.0	mg/kg	1000	ND	98.3	70-130	16.0	35	
Residual Range Organics (C28-C40)	1010	200	"	1000	ND	101	70-130	16.0	35	
Surrogate: o-Terphenyl	52		"	49.8		105	50-150			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2637 - EPA 5030 (soil)										
Blank (B3E2637-BLK1)					Prepared: 05/26/2023 Analyzed: 05/28/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.3	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		90.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2637 - EPA 5030 (soil)

LCS (B3E2637-BS1)

Prepared: 05/26/2023 Analyzed: 05/28/2023

1,2,4-Trimethylbenzene	0.0969	0.00200	mg/kg	0.100		96.9	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.116	0.00200	"	0.100		116	70-130			
Naphthalene	0.0832	0.00380	"	0.100		83.2	70-130			
Toluene	0.0816	0.00200	"	0.100		81.6	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.227	0.00400	"	0.200		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.4	70-130			
Surrogate: Toluene-d8	0.10		"	0.125		82.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2637 - EPA 5030 (soil)

Matrix Spike (B3E2637-MS1)		Source: Y305647-01			Prepared: 05/26/2023 Analyzed: 05/28/2023					
1,2,4-Trimethylbenzene	0.100	0.00200	mg/kg	0.100	ND	100	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130			
Benzene	0.103	0.00200	"	0.100	ND	103	70-130			
Ethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130			
Naphthalene	0.0778	0.00380	"	0.100	ND	77.8	70-130			
Toluene	0.0937	0.00200	"	0.100	ND	93.7	70-130			
o-Xylene	0.0964	0.00200	"	0.100	ND	96.4	70-130			
m,p-Xylene	0.203	0.00400	"	0.200	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		86.3	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Jordan A. Bynon, Project Manager

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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 B3E2637 - EPA 5030 (soil)										
Matrix Spike Dup (B3E2637-MSD1)			Source: Y305647-01		Prepared: 05/26/2023 Analyzed: 05/28/2023					
1,2,4-Trimethylbenzene	0.0955	0.00200	mg/kg	0.100	ND	95.5	70-130	4.90	20	
1,3,5-Trimethylbenzene	0.0996	0.00200	"	0.100	ND	99.6	70-130	3.26	20	
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	1.61	20	
Ethylbenzene	0.0990	0.00200	"	0.100	ND	99.0	70-130	1.28	20	
Naphthalene	0.0851	0.00380	"	0.100	ND	85.1	70-130	8.96	20	
Toluene	0.0864	0.00200	"	0.100	ND	86.4	70-130	8.09	20	
o-Xylene	0.0955	0.00200	"	0.100	ND	95.5	70-130	0.959	20	
m,p-Xylene	0.197	0.00400	"	0.200	ND	98.5	70-130	2.97	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.3	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		86.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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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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 B3E2605 - Saturated Paste Metals

Blank (B3E2605-BLK1)

Prepared: 05/26/2023 Analyzed: 05/30/2023

SAR	0.00		SAR
Calcium PPM	ND	10.0	mg/L
Magnesium PPM	ND	10.0	"
Sodium PPM	ND	10.0	"

Duplicate (B3E2605-DUP1)

Source: Y305658-02

Prepared: 05/26/2023 Analyzed: 05/30/2023

Calcium PPM	52.0	10.0	mg/L	51.0	1.92	50
SAR	0.00		SAR	4.47	200	200
Magnesium PPM	12.2	10.0	mg/L	11.6	4.70	50
Sodium PPM	146	10.0	"	136	7.40	50

Batch B3E2608 - DTPA Sorbitol Preparation

Blank (B3E2608-BLK1)

Prepared: 05/26/2023 Analyzed: 05/30/2023

Boron	ND	0.100	mg/L
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Duplicate (B3E2608-DUP1)

Source: Y305605-08

Prepared: 05/26/2023 Analyzed: 05/30/2023

Boron	0.334	0.0983	mg/L	0.334	0.0600	50
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Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3E2612 - Saturated Paste pH/EC										
Blank (B3E2612-BLK1)					Prepared: 05/26/2023 Analyzed: 05/27/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3E2612-DUP1)					Source: Y305658-02 Prepared: 05/26/2023 Analyzed: 05/27/2023					
Specific Conductance (EC)	1.17	0.00500	mmhos/cm		1.14			2.51	25	
pH	7.71		pH Units		7.89			2.31	25	

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L685136 - 3550B

MSD (L 81480-MSD-L685136)		Source: 81480			Prepared: 06/01/2023 Analyzed: 06/02/2023					
Anthracene	0.126	0.00067	mg/Kg	0.162	<0.000334	77.7	30-130	17.2	30	
Pyrene	0.112	0.00067	"	0.162	<0.000643	69.1	30-130	15.7	30	
Indeno(1,2,3-cd)pyrene	0.105	0.00067	"	0.162	<0.000627	64.8	30-130	8.7	30	
Fluorene	0.126	0.00067	"	0.162	0.00208	76.4	30-130	17.2	30	
Fluoranthene	0.113	0.00067	"	0.162	<0.000394	69.7	30-130	13.4	30	
Dibenz(a,h)anthracene	0.126	0.00067	"	0.162	<0.000614	77.7	30-130	10	30	
Chrysene	0.123	0.00067	"	0.162	<0.000624	75.9	30-130	14.8	30	
Benzo(k)fluoranthene	0.087	0.00067	"	0.162	<0.000437	53.7	30-130	12.4	30	
Benzo(b)fluoranthene	0.0815	0.00067	"	0.162	<0.000585	50.3	30-130	8.4	30	
1-Methylnaphthalene	0.105	0.00201	"	0.162	<0.00109	64.8	30-130	13.8	30	
Benzo(a)anthracene	0.124	0.00067	"	0.162	<0.000493	76.5	30-130	14.7	30	
Acenaphthene	0.11	0.00067	"	0.162	0.000693	67.4	30-130	15.5	30	
2-Methylnaphthalene	0.108	0.00201	"	0.162	<0.00194	66.6	30-130	14.3	30	
Benzo(a)pyrene	0.128	0.00067	"	0.162	<0.000468	79	30-130	16.9	30	
Surrogate: 2-Fluorobiphenyl	65.2		"	0.325	160	65.2	33-115			
Surrogate: 4-Terphenyl-d14	72.6		"	0.325	196	72.6	33-122			
Surrogate: Nitrobenzene-d5	55.6		"	0.325	138	55.6	29-110			

MS (L 81480-MS-L685136)		Source: 81480			Prepared: 06/01/2023 Analyzed: 06/02/2023					
Benzo(b)fluoranthene	0.0749	0.00067	mg/Kg	0.167	<0.000585	44.8	30-130			
Fluorene	0.106	0.00067	"	0.167	0.00208	62.2	30-130			
1-Methylnaphthalene	0.0914	0.00201	"	0.167	<0.00109	54.7	30-130			
Benzo(a)anthracene	0.107	0.00067	"	0.167	<0.000493	64	30-130			
Pyrene	0.0956	0.00067	"	0.167	<0.000643	57.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0962	0.00067	"	0.167	<0.000627	57.6	30-130			
Fluoranthene	0.0988	0.00067	"	0.167	<0.000394	59.1	30-130			
Dibenz(a,h)anthracene	0.114	0.00067	"	0.167	<0.000614	68.2	30-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L685136 - 3550B

MS (L 81480-MS-L685136)		Source: 81480			Prepared: 06/01/2023 Analyzed: 06/02/2023					
Chrysene	0.106	0.00067	mg/Kg	0.167	<0.000624	63.4	30-130			
2-Methylnaphthalene	0.0935	0.00201	"	0.167	<0.00194	55.9	30-130			
Benzo(k)fluoranthene	0.0768	0.00067	"	0.167	<0.000437	45.9	30-130			
Acenaphthene	0.0941	0.00067	"	0.167	0.000693	55.9	30-130			
Anthracene	0.106	0.00067	"	0.167	<0.000334	63.4	30-130			
Benzo(a)pyrene	0.108	0.00067	"	0.167	<0.000468	64.6	30-130			
Surrogate: 4-Terphenyl-d14	60.3		"	0.333	196	60.3	33-122			
Surrogate: Nitrobenzene-d5	45.6		"	0.333	138	45.6	29-110			
Surrogate: 2-Fluorobiphenyl	53.1		"	0.333	160	53.1	33-115			

LCS (LCS-L685136)		Prepared: 06/01/2023 Analyzed: 06/02/2023								
Benzo(k)fluoranthene	0.0867	0.00067	mg/Kg	0.167		51.9	30-130			
Pyrene	0.105	0.00067	"	0.167		62.8	30-130			
Benzo(b)fluoranthene	0.0871	0.00067	"	0.167		52.1	30-130			
Indeno(1,2,3-cd)pyrene	0.122	0.00067	"	0.167		73	30-130			
Fluorene	0.115	0.00067	"	0.167		68.8	30-130			
Fluoranthene	0.107	0.00067	"	0.167		64	30-130			
Dibenz(a,h)anthracene	0.148	0.00067	"	0.167		88.6	30-130			
Chrysene	0.115	0.00067	"	0.167		68.8	30-130			
1-Methylnaphthalene	0.101	0.00201	"	0.167		60.4	30-130			
2-Methylnaphthalene	0.106	0.00201	"	0.167		63.4	30-130			
Acenaphthene	0.103	0.00067	"	0.167		61.6	30-130			
Anthracene	0.117	0.00067	"	0.167		70	30-130			
Benzo(a)anthracene	0.116	0.00067	"	0.167		69.4	30-130			
Benzo(a)pyrene	0.119	0.00067	"	0.167		71.2	30-130			
Surrogate: Nitrobenzene-d5	54.9		"	0.333		54.9	29-110			
Surrogate: 2-Fluorobiphenyl	67.5		"	0.333		67.5	33-115			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L685136 - 3550B										
LCS (LCS-L685136)					Prepared: 06/01/2023 Analyzed: 06/02/2023					
Surrogate: 4-Terphenyl-d14	68.4		mg/Kg	0.333		68.4	33-122			
LRB (LRB-L685136)					Prepared: 06/01/2023 Analyzed: 06/02/2023					
Fluorene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	58.2		"	0.333		58.2	33-122			
Surrogate: 2-Fluorobiphenyl	54		"	0.333		54	33-115			
Surrogate: Nitrobenzene-d5	46.8		"	0.333		46.8	29-110			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L684972 - 3550B

MSD (L 81225-MSD-L684972)		Source: 81225			Prepared: 05/31/2023 Analyzed: 06/02/2023					
Pyrene	0.115	0.00067	mg/Kg	0.166	<0.000643	69.2	30-130	8.1	30	
Benzo(a)pyrene	0.12	0.00067	"	0.166	<0.000468	72.2	30-130	15.2	30	
Fluorene	0.112	0.00067	"	0.166	<0.000286	67.4	30-130	13.2	30	
Fluoranthene	0.115	0.00067	"	0.166	<0.000394	69.2	30-130	10	30	
Dibenz(a,h)anthracene	0.122	0.00067	"	0.166	<0.000614	73.4	30-130	1.6	30	
Chrysene	0.112	0.00067	"	0.166	<0.000624	67.4	30-130	13.8	30	
Indeno(1,2,3-cd)pyrene	0.0912	0.00067	"	0.166	<0.000627	54.9	30-130	10.1	30	
Benzo(b)fluoranthene	0.078	0.00067	"	0.166	<0.000585	46.9	30-130	20	30	
1-Methylnaphthalene	0.101	0.00201	"	0.166	<0.00109	60.8	30-130	12.8	30	
Benzo(a)anthracene	0.107	0.00067	"	0.166	<0.000493	64.4	30-130	12.7	30	
Anthracene	0.117	0.00067	"	0.166	<0.000334	70.4	30-130	13.6	30	
Acenaphthene	0.108	0.00067	"	0.166	<0.000304	65	30-130	13.5	30	
2-Methylnaphthalene	0.101	0.00201	"	0.166	<0.00194	60.8	30-130	12.4	30	
Benzo(k)fluoranthene	0.0914	0.00067	"	0.166	<0.000437	55	30-130	2.9	30	
Surrogate: Nitrobenzene-d5	54.6		"	0.331	185	54.6	29-110			
Surrogate: 4-Terphenyl-d14	67.6		"	0.331	215	67.6	33-122			
Surrogate: 2-Fluorobiphenyl	61		"	0.331	202	61	33-115			

MS (L 81225-MS-L684972)		Source: 81225			Prepared: 05/31/2023 Analyzed: 06/02/2023					
Dibenz(a,h)anthracene	0.124	0.00067	mg/Kg	0.164	<0.000614	75.6	30-130			
Pyrene	0.106	0.00067	"	0.164	<0.000643	64.6	30-130			
Indeno(1,2,3-cd)pyrene	0.101	0.00067	"	0.164	<0.000627	61.5	30-130			
1-Methylnaphthalene	0.0888	0.00201	"	0.164	<0.00109	54.1	30-130			
Fluoranthene	0.104	0.00067	"	0.164	<0.000394	63.4	30-130			
Chrysene	0.0975	0.00067	"	0.164	<0.000624	59.4	30-130			
Benzo(k)fluoranthene	0.0887	0.00067	"	0.164	<0.000437	54	30-130			
2-Methylnaphthalene	0.0892	0.00201	"	0.164	<0.00194	54.3	30-130			

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L684972 - 3550B

MS (L 81225-MS-L684972)		Source: 81225			Prepared: 05/31/2023 Analyzed: 06/02/2023					
Benzo(a)pyrene	0.103	0.00067	mg/Kg	0.164	<0.000468	62.8	30-130			
Benzo(a)anthracene	0.0942	0.00067	"	0.164	<0.000493	57.4	30-130			
Anthracene	0.102	0.00067	"	0.164	<0.000334	62.1	30-130			
Acenaphthene	0.0943	0.00067	"	0.164	<0.000304	57.5	30-130			
Benzo(b)fluoranthene	0.0954	0.00067	"	0.164	<0.000585	58.1	30-130			
Fluorene	0.0981	0.00067	"	0.164	<0.000286	59.8	30-130			
Surrogate: Nitrobenzene-d5	47.4		"	0.329	185	47.4	29-110			
Surrogate: 4-Terphenyl-d14	60.4		"	0.329	215	60.4	33-122			
Surrogate: 2-Fluorobiphenyl	53.1		"	0.329	202	53.1	33-115			

LCS (LCS-L684972)		Prepared: 05/31/2023 Analyzed: 06/02/2023								
Benzo(k)fluoranthene	0.118	0.00067	mg/Kg	0.167		70.6	30-130			
Dibenz(a,h)anthracene	0.12	0.00067	"	0.167		71.8	30-130			
Fluoranthene	0.119	0.00067	"	0.167		71.2	30-130			
Fluorene	0.111	0.00067	"	0.167		66.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0839	0.00067	"	0.167		50.2	30-130			
Pyrene	0.121	0.00067	"	0.167		72.4	30-130			
Benzo(b)fluoranthene	0.101	0.00067	"	0.167		60.4	30-130			
1-Methylnaphthalene	0.0992	0.00201	"	0.167		59.4	30-130			
Benzo(a)anthracene	0.11	0.00067	"	0.167		65.8	30-130			
Anthracene	0.123	0.00067	"	0.167		73.6	30-130			
Acenaphthene	0.105	0.00067	"	0.167		62.8	30-130			
2-Methylnaphthalene	0.1	0.00201	"	0.167		59.8	30-130			
Chrysene	0.116	0.00067	"	0.167		69.4	30-130			
Benzo(a)pyrene	0.118	0.00067	"	0.167		70.6	30-130			
Surrogate: Nitrobenzene-d5	57.9		"	0.333		57.9	29-110			
Surrogate: 4-Terphenyl-d14	77.4		"	0.333		77.4	33-122			

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-9I4

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L684972 - 3550B										
LCS (LCS-L684972)					Prepared: 05/31/2023 Analyzed: 06/02/2023					
Surrogate: 2-Fluorobiphenyl	64.5		mg/Kg	0.333		64.5	33-115			
LRB (LRB-L684972)					Prepared: 05/31/2023 Analyzed: 06/02/2023					
Dibenz(a,h)anthracene	ND	0.00067	mg/Kg				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	56.7		"	0.333		56.7	29-110			
Surrogate: 4-Terphenyl-d14	66.3		"	0.333		66.3	33-122			
Surrogate: 2-Fluorobiphenyl	59.4		"	0.333		59.4	33-115			

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Prospect CO #26-914

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

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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Jordan A. Bynon, Project Manager