



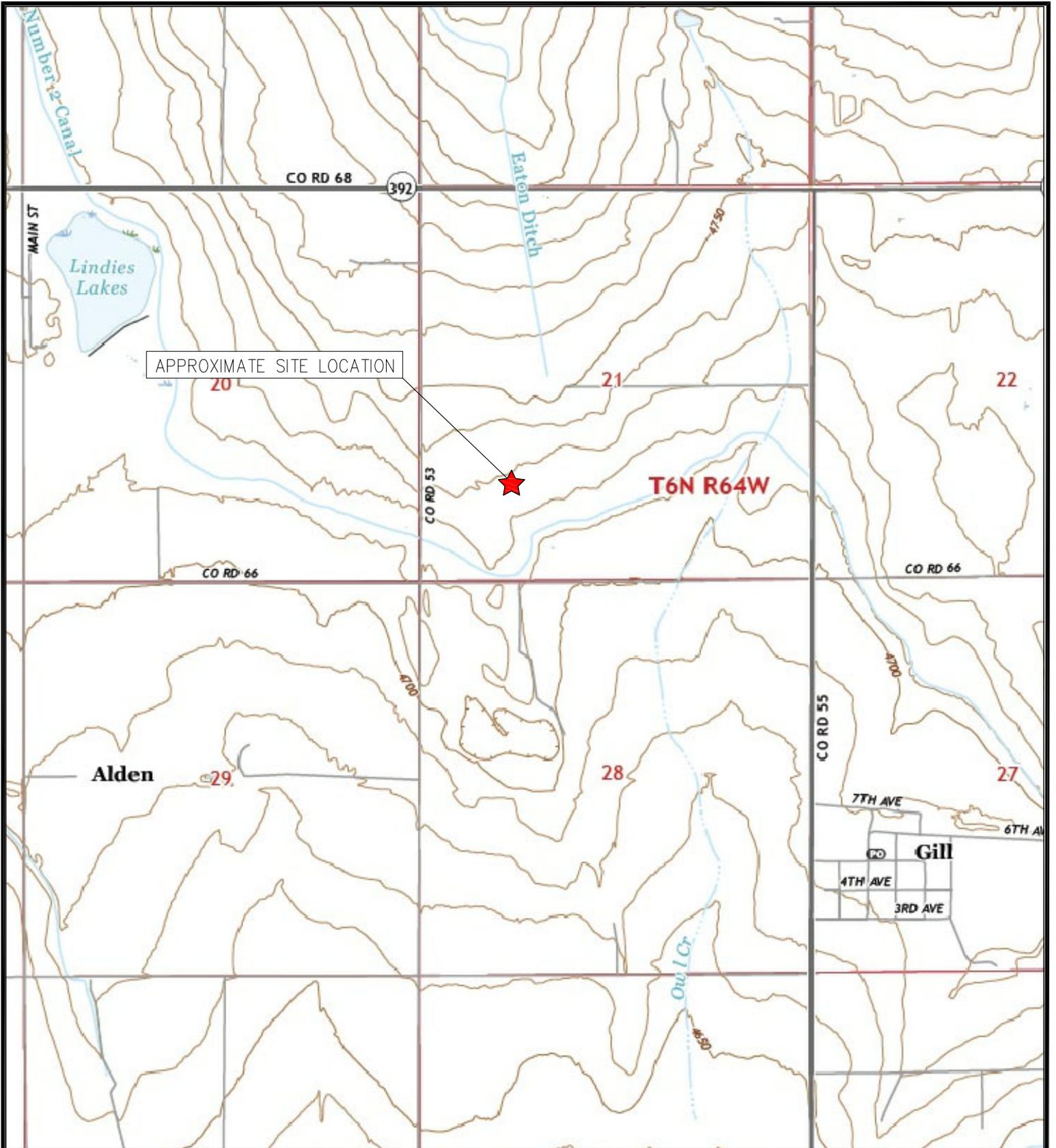
FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Excavation Sample Location Map

Figure 4: Confirmation Soil Analytical Map



APPROXIMATE SITE LOCATION



TOPOGRAPHIC SITE LOCATION MAP
 HARPER/KONA A21 ECONODE
 SURFACE RELEASE
 40.468013 / -104.560206
 NW¼ SW¼ SEC.21 T6N R64W 6PM
 WELD COUNTY, COLORADO
 SPILL ID 483582



EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

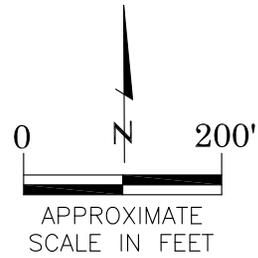
8000 W 44th Ave, Wheat Ridge, CO 80033
 Ph: 303-433-0479 • F: 303-325-5449



LEGEND

 APPROXIMATE FACILITY BOUNDARIES

 APPROXIMATE RELEASE LOCATION



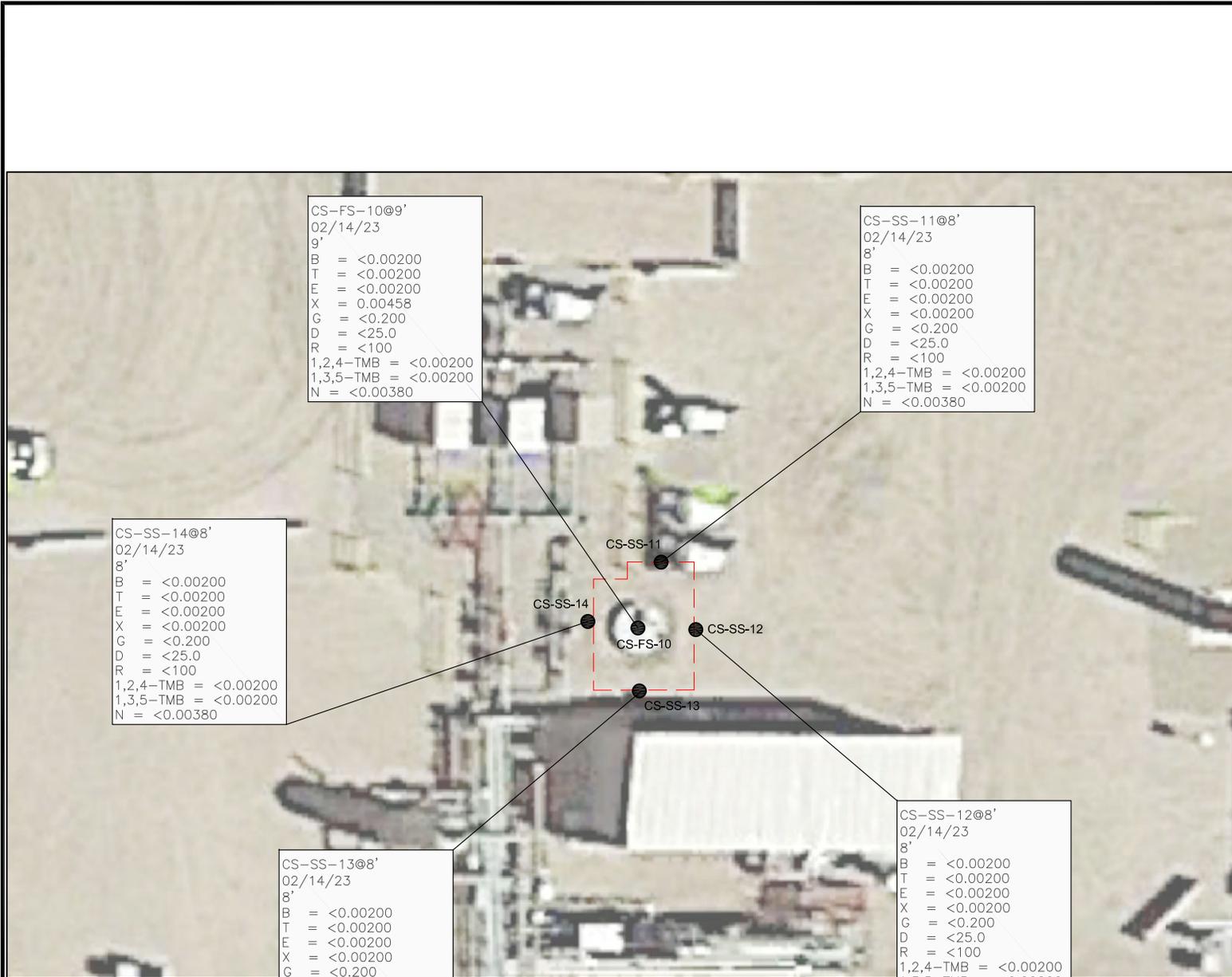
AERIAL SITE LOCATION MAP
HARPER/KONA A21 ECONODE
SURFACE RELEASE
40.468013 / -104.560206
NW¼ SW¼ SEC.21 T6N R64W 6PM
WELD COUNTY, COLORADO
SPILL ID 483582

DATE: 01/11/23

FIG. NO. 2 DRAWN BY: AMN



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



CS-FS-10@9'
02/14/23
9'
B = <0.00200
T = <0.00200
E = <0.00200
X = 0.00458
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
N = <0.00380

CS-SS-11@8'
02/14/23
8'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
N = <0.00380

CS-SS-14@8'
02/14/23
8'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
N = <0.00380

CS-SS-13@8'
02/14/23
8'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
N = <0.00380

CS-SS-12@8'
02/14/23
8'
B = <0.00200
T = <0.00200
E = <0.00200
X = <0.00200
G = <0.200
D = <25.0
R = <100
1,2,4-TMB = <0.00200
1,3,5-TMB = <0.00200
N = <0.00380

LEGEND

- SOURCE EXCAVATION EXTENTS
- SS-02 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)
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)
N = NAPHTHALENE (mg/kg)

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

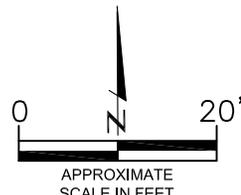
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS
TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS
TPH-RRO = TOTAL PETROLEUM HYDROCARBONS - RESIDUAL RANGE ORGANICS

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

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

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

CONFIRMATION SOIL ANALYTICAL MAP
HARPER/KONA A21 ECONODE
SURFACE RELEASE
40.468013 / -104.560206
NW¼ SW¼ SEC.21 T6N R64W 6PM
WELD COUNTY, COLORADO
SPILL ID 483582



DRAWN BY:
BPW
FIG. NO.
4

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



TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
HARPER/KONA A21 ECONODE
SURFACE RELEASE
40.468013 / -104.560206
NW1/4 SW1/4 SEC.21 T6N R64W 6PM
WELD COUNTY, COLORADO
SPILL ID 483582

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WC-SS-01 @ 0.5' (40.468023 / -104.560214)	12/27/22	0.5	1425	Y
SS-01 @ 0.5' (40.468012 / -104.560230)	12/27/22	0.5	918.5	N
SS-02 @ 0.25' (40.468019 / -104.560189)	12/27/22	0.25	1076	N
SS-03 @ 0.25' (40.468001 / -104.560192)	12/27/22	0.25	938.6	N
SS-04 @ 0.25' (40.468001 / -104.560215)	12/27/22	0.25	997.2	N
SS-05 @ 0.25' (40.468035 / -104.560223)	12/27/22	0.25	807.3	N
SS-06 @ 0.25' (40.468055 / -104.560222)	12/27/22	0.25	122.3	N
SS-07 @ 0.25' (40.468065 / -104.560190)	12/27/22	0.25	3.2	N
SS-08 @ 0.25' (40.468010 / -104.560163)	12/27/22	0.25	0.9	N
SS-09 @ 0.25' (40.467990 / -104.560215)	12/27/22	0.25	1.1	N
SS-10 @ 0.25' (40.468010 / -104.560241)	12/27/22	0.25	2.1	N
Background-01 @ 0.5' (40.468146 / -104.560377)	12/27/22	0.5	2.6	Y



TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
HARPER/KONA A21 ECONODE
SURFACE RELEASE
40.468013 / -104.560206
NW1/4 SW1/4 SEC.21 T6N R64W 6PM
WELD COUNTY, COLORADO
SPILL ID 483582

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
CS-SS-01 @ 2' (40.468034 / -104.560209)	12/30/22	2	31.6	N
CS-SS-02 @ 2' (40.468020 / -104.560195)	12/30/22	2	6.9	N
CS-SS-03 @ 2' (40.468022 / -104.560235)	12/30/22	2	5.9	N
CS-FS-01 @ 1' (40.468042 / -104.560204)	12/30/22	1	10.7	N
CS-FS-02 @ 3' (40.468032 / -104.560208)	12/30/22	3	237.5	N
CS-FS-03 @ 3' (40.468001 / -104.560213)	12/30/22	3	857.4	N
CS-SS-04 @ 3' (40.468033 / -104.560214)	01/16/23	3	1.3	N
CS-SS-05 @ 2' (40.468014 / -104.560184)	01/16/23	2	2.0	N
CS-SS-06 @ 3' (40.467999 / -104.560212)	01/16/23	3	1148	N
CS-SS-07 @ 3' (40.468016 / -104.560237)	01/16/23	3	28.0	N
CS-SS-08 @ 3.5' (40.468027 / -104.560199)	01/16/23	4	979.2	N
CS-SS-09 @ 3.5' (40.468004 / -104.560198)	01/16/23	4	1041	N
CS-FS-04 @ 4' (40.468029 / -104.560219)	01/16/23	4	1225	N
CS-FS-05 @ 3' (40.468015 / -104.560193)	01/16/23	3	18.7	N
CS-FS-06 @ 4' (40.468002 / -104.560212)	01/16/23	4	793.5	N
CS-FS-07 @ 4' (40.468018 / -104.560234)	01/16/23	4	722.2	N



TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
HARPER/KONA A21 ECONODE
SURFACE RELEASE
40.468013 / -104.560206
NW1/4 SW1/4 SEC.21 T6N R64W 6PM
WELD COUNTY, COLORADO
SPILL ID 483582

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
CS-SS-10 @ 7.5' (40.467999 / -104.560214)	02/09/23	8	918.9	N
CS-FS-08 @ 4' (40.468033 / -104.560212)	02/09/23	4	513.3	N
CS-FS-09 @ 4' (40.468010 / -104.560190)	02/09/23	4	286.0	N
CS-SS-11 @ 8' (40.468034 / -104.560213)	02/14/23	8	2.1	Y
CS-SS-12 @ 8' (40.468015 / -104.560188)	02/14/23	8	2.9	Y
CS-SS-13 @ 8' (40.467998 / -104.560212)	02/14/23	8	2.0	Y
CS-SS-14 @ 8' (40.468015 / -104.560237)	02/14/23	8	1.3	Y
CS-FS-10 @ 9' (40.468015 / -104.560213)	02/14/23	9	7.3	Y

(Y/N) = Yes or No

ppm-v = parts per million by volume

PID = Photoionization Detector



TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
HARPER/KONA A21 ECONODE
SURFACE RELEASE
40.468013 / -104.560206
NW1/4 SW1/4 SEC.21 T6N R64W 6PM
WELD COUNTY, COLORADO
SPILL ID 483582

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-RRO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)	Naphthalene (mg/kg)	Boron (mg/L)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
COGCC Table 915-1 Residential Screening Levels (mg/kg)				1.20	490	5.8	58	500			30	27	2	2	<4	6-8.3	<6
WC-SS-01 @ 0.5' (40.468023 / -104.560214)	12/27/22	0.5	1425	4.24	160	37.3	462	7550	10200	3260	189	66.9	4.56	0.741	0.750	7.79	0.251
Background-01 @ 0.5' (40.468146 / -104.560377)	12/27/22	0.5	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.28	2.98	8.18	3.49
CS-SS-11 @ 8' (40.468034 / -104.560213)	02/14/23	8.0	2.1	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00380	NA	NA	NA	NA
CS-SS-12 @ 8' (40.468015 / -104.560188)	02/14/23	8.0	2.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00380	NA	NA	NA	NA
CS-SS-13 @ 8' (40.467998 / -104.560212)	02/14/23	8.0	2.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00380	NA	NA	NA	NA
CS-SS-14 @ 8' (40.468015 / -104.560237)	02/14/23	8.0	1.3	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00380	NA	NA	NA	NA
CS-FS-10 @ 9' (40.468015 / -104.560213)	02/14/23	9.0	7.3	<0.00200	<0.00200	<0.00200	0.00458	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00380	NA	NA	NA	NA
COGCC = Colorado Oil and Gas Conservation Commission				NA - Not Analyzed													
mg/kg = milligrams per kilogram				TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics				1,2,4-TMB = 1,2,4-Trimethylbenzene									
mmhos/cm = millimhos per centimeter				PID = Photoionization Detector				TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics						1,3,5-TMB = 1,3,5-Trimethylbenzene			
ppm-v = parts per million by volume				TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics													
mg/L = milligrams per liter																	
SAR = Sodium Adsorption Ratio																	
Notes: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit.																	
Values presented in BOLD contained concentrations exceeding COGCC Table 915-1 Regulatory Limits.																	



ATTACHMENT A

Photo Log

Harper/Kona A21 Econode
NW¹/₄ SW¹/₄ Sec. 21 T6N R64W 6PM
Weld County, CO
Spill ID 483582

Source Excavation

December 2022-February 2023



Initial Release – 12/23/22



Looking northwest

Surface release/overflow from 12 bbl vault

Immediate clean-up response coordinated

Free standing petroleum and odor observed

Initial Clean-up/Confirmation Sampling – 12/27/22



Looking east

Minimal excavation completed around surface spill area

Total depth ~0.25-0.5'

Residual petroleum hydrocarbon staining and odor observed

Source Removal – 12/30/22



Looking southwest at ongoing source excavation

Total depth ~1-3'

Residual petroleum hydrocarbon staining and odor observed

Source Removal – 01/16/23



Looking west at ongoing source excavation

Total depth ~3-4'

Residual petroleum hydrocarbon staining and odor observed

Source Removal – 02/09/23



Looking southwest at ongoing source excavation

Total depth ~4-8.5'

Residual petroleum hydrocarbon staining and odor observed

Excavation Confirmation Sampling – 02/14/23

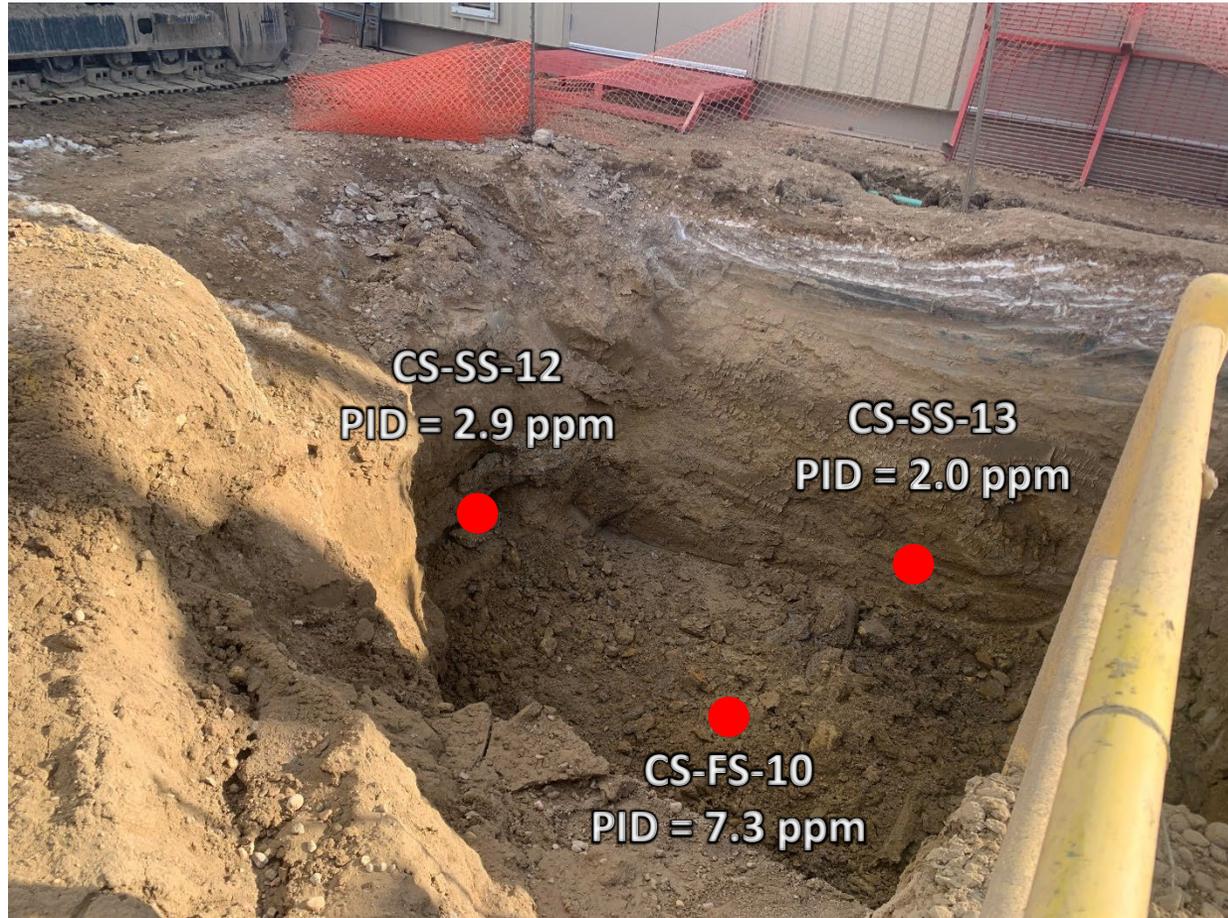


Looking northwest

Total depth ~9'

No residual petroleum hydrocarbon staining or odor observed

Excavation Confirmation Sampling – 02/14/23



Looking southeast

Total depth ~9'

No residual petroleum hydrocarbon staining or odor observed



ATTACHMENT B

Laboratory Analytical Report



February 15, 2023

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Harper/Kona A21 Econode Project Number - [none]

Attached are your analytical results for Noble - Harper/Kona A21 Econode received by Origins Laboratory, Inc. February 14, 2023. This project is associated with Origins project number Y302284-01.

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, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Harper/Kona A21 Econode

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-SS-11@8'	Y302284-01	Soil	February 14, 2023 15:15	02/14/2023 17:10
CS-SS-12@8'	Y302284-02	Soil	February 14, 2023 15:16	02/14/2023 17:10
CS-SS-13@8'	Y302284-03	Soil	February 14, 2023 15:17	02/14/2023 17:10
CS-SS-14@8'	Y302284-04	Soil	February 14, 2023 15:18	02/14/2023 17:10
CS-FS-10@9'	Y302284-05	Soil	February 14, 2023 15:20	02/14/2023 17:10

Origins Laboratory, Inc.



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

Jen Pellegrini, Project Manager

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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

Client: Eagle Environmental Consulting
 Address: 8000 W 44th Ave
Wheat Ridge CO 80033
 Telephone Number: 303.433.0470
 Email Address: mtc3@eagle-enviro.com

Project Manager: Martin Eckert III
 Project Name: Harper/Kona A21 Econode
 Project Number: 4302284
 Samples Collected By: BRW

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 page 1 of 1

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	
15-55-11081	2/14/23	1515	2						X		
15-55-12081		1516							X		
15-55-13081		1517							X		
15-55-14081		1518							X		
15-FS-10091		1520							X		

Relinquished By: Bruce W... Date: 2/14/23 Time: 1710
 Received By: CHS Date: 2/14/23 Time: 1710

Turnaround Time:
 48 Hr
 24 Hr
 72 Hr
 Standard

Temp Received: 4.5 Date Results Needed: 2/14/23

Bill to Den

Origins Laboratory, Inc.

Jefe Pellegrini

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4302284

Client: Eagle

Client Project ID: Harper/Kona AZ1 Eior

Checklist Completed by: EHS/DE

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

Date/time completed: 2/14/12

Airbill #: NA

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

Cooler Number/Temperature: 1, 4.5 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: 7041

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

DE
 Reviewed by (Project Manager)

02/14/12
 Date/Time Reviewed

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, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

CS-SS-11@8'
2/14/2023 3:15:00PM

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

Origins Laboratory, Inc.
Y302284-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1420	B	02/14/2023	02/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	B	"	"	U

Surrogate: *o*-Terphenyl 75.4 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3B1428	ZZZ	"	02/15/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 88.5 % 70-130 " " "
 Surrogate: Toluene-d8 96.0 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.0 % 70-130 " " "

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

CS-SS-12@8'
2/14/2023 3:16:00PM

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

Origins Laboratory, Inc.
Y302284-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1420	B	02/14/2023	02/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	B	"	"	U

Surrogate: *o*-Terphenyl 75.4 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3B1428	ZZZ	"	02/15/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 86.3 % 70-130 " " "
 Surrogate: Toluene-d8 100 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.7 % 70-130 " " "

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

CS-SS-13@8'
2/14/2023 3:17:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302284-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1420	B	02/14/2023	02/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	B	"	"	U

Surrogate: *o*-Terphenyl 76.4 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3B1428	ZZZ	"	02/15/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 89.6 % 70-130 " " "
 Surrogate: Toluene-d8 99.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.6 % 70-130 " " "

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

CS-SS-14@8'
2/14/2023 3:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302284-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1420	B	02/14/2023	02/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	B	"	"	U

Surrogate: *o*-Terphenyl 75.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3B1428	ZZZ	"	02/15/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	0.00200	"	"	"	ZZZ	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 86.8 % 70-130 " " "
 Surrogate: Toluene-d8 97.9 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.0 % 70-130 " " "

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

CS-FS-10@9'
2/14/2023 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y302284-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3B1420	B	02/14/2023	02/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	B	"	"	U

Surrogate: *o*-Terphenyl 75.2 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3B1428	ZZZ	"	02/15/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Benzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	U
Naphthalene	ND	0.00380	"	"	"	ZZZ	"	"	U
Toluene	ND	0.00200	"	"	"	ZZZ	"	"	U
Xylenes, total	0.00458	0.00200	"	"	"	ZZZ	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4 88.4 % 70-130 " " "
 Surrogate: Toluene-d8 97.0 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.3 % 70-130 " " "

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1420 - EPA 3580										
Blank (B3B1420-BLK1)										
					Prepared: 02/14/2023 Analyzed: 02/15/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	23		"	24.9		92.4	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1420 - EPA 3580

LCS (B3B1420-BS1)

Prepared: 02/14/2023 Analyzed: 02/15/2023

Diesel (C10-C28)	837	50.0	mg/kg	1000		83.7	70-130			
Residual Range Organics (C28-C40)	798	200	"	1000		79.8	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1420 - EPA 3580

Matrix Spike (B3B1420-MS1)	Source: Y302261-02			Prepared: 02/14/2023 Analyzed: 02/15/2023						
Diesel (C10-C28)	812	50.0	mg/kg	1000	ND	81.2	70-130			
Residual Range Organics (C28-C40)	772	200	"	1000	ND	77.2	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.7	50-150			

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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, Inc.
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1420 - EPA 3580										
Matrix Spike Dup (B3B1420-MSD1)					Source: Y302261-02					Prepared: 02/14/2023 Analyzed: 02/15/2023
Diesel (C10-C28)	855	50.0	mg/kg	1000	ND	85.5	70-130	5.21	35	
Residual Range Organics (C28-C40)	822	200	"	1000	ND	82.2	70-130	6.19	35	
Surrogate: o-Terphenyl	49		"	49.8		99.0	50-150			

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Jen Pellegrini, Project Manager

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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1428 - EPA 5030 (soil)

Blank (B3B1428-BLK1)

Prepared: 02/14/2023 Analyzed: 02/14/2023

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	0.14		"	0.125	116		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	98.5		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.3		70-130			

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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1428 - EPA 5030 (soil)

LCS (B3B1428-BS1)

Prepared: 02/14/2023 Analyzed: 02/14/2023

1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100		102	70-130			
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100		101	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.0981	0.00200	"	0.100		98.1	70-130			
Naphthalene	0.103	0.00380	"	0.100		103	70-130			
Toluene	0.115	0.00200	"	0.100		115	70-130			
o-Xylene	0.103	0.00200	"	0.100		103	70-130			
m,p-Xylene	0.201	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		116	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1428 - EPA 5030 (soil)

Matrix Spike (B3B1428-MS1)	Source: Y302269-01			Prepared: 02/14/2023 Analyzed: 02/14/2023						
1,2,4-Trimethylbenzene	0.0787	0.00200	mg/kg	0.100	ND	78.7	70-130			
1,3,5-Trimethylbenzene	0.0776	0.00200	"	0.100	ND	77.6	70-130			
Benzene	0.0818	0.00200	"	0.100	ND	81.8	70-130			
Ethylbenzene	0.0757	0.00200	"	0.100	ND	75.7	70-130			
Naphthalene	0.0805	0.00380	"	0.100	ND	80.5	70-130			
Toluene	0.0911	0.00200	"	0.100	ND	91.1	70-130			
o-Xylene	0.0789	0.00200	"	0.100	ND	78.9	70-130			
m,p-Xylene	0.155	0.00400	"	0.200	ND	77.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		115	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Harper/Kona A21 Econode

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 B3B1428 - EPA 5030 (soil)

Matrix Spike Dup (B3B1428-MSD1)	Source: Y302269-01			Prepared: 02/14/2023 Analyzed: 02/14/2023							
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130	28.3	20	QR-02	
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100	ND	103	70-130	28.0	20	QR-02	
Benzene	0.105	0.00200	"	0.100	ND	105	70-130	24.6	20	QR-02	
Ethylbenzene	0.0979	0.00200	"	0.100	ND	97.9	70-130	25.5	20	QR-02	
Naphthalene	0.116	0.00380	"	0.100	ND	116	70-130	36.1	20	QR-02	
Toluene	0.116	0.00200	"	0.100	ND	116	70-130	24.2	20	QR-02	
o-Xylene	0.104	0.00200	"	0.100	ND	104	70-130	27.3	20	QR-02	
m,p-Xylene	0.201	0.00400	"	0.200	ND	100	70-130	25.9	20	QR-02	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		115	70-130				
Surrogate: Toluene-d8	0.12		"	0.125		96.2	70-130				
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130				

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Harper/Kona A21 Econode

Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager