



FIGURES

Figure 1: Topographic Site Location Map

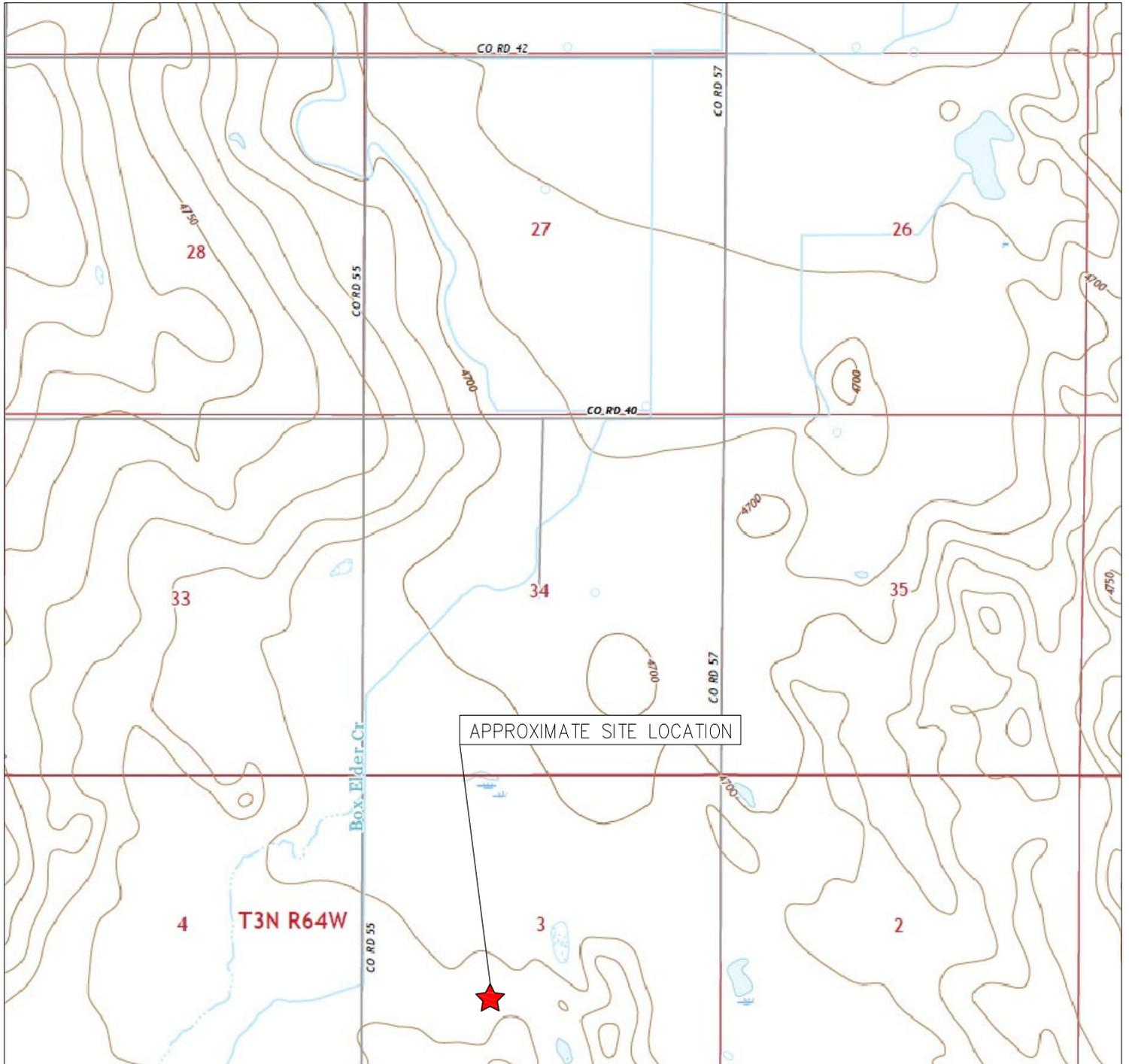
Figure 2: Aerial Site Location Map

Figure 3: Monitoring Well Soil Analytical Map

Figure 4: Monitoring Well Polycyclic Aromatic Hydrocarbons (PAH) Map

Figure 5: Groundwater Analytical Map (10/25/22)

Figure 6: Groundwater Elevation Map (10/25/22)



TOPOGRAPHIC SITE LOCATION MAP
 BECCA #D 3-11
 HISTORICAL RELEASE
 40.252420 / -104.539510
 NE¼ SW¼ SEC.3 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-17286
 REMEDIATION # 22098



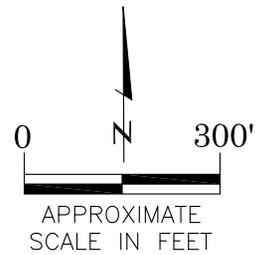
EAGLE
 ENVIRONMENTAL
 CONSULTING, LLC

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



LEGEND

- FORMER BECCA #D 3-11 WELLHEAD (PLUGGED AND ABANDONED)
- ASSOCIATED SEPARATOR
- APPROXIMATE FLOWLINE LOCATION (REMOVED)
- APPROXIMATE FLOWLINE LOCATION (ABANDONED IN PLACE)



AERIAL SITE LOCATION MAP
 BECCA #D 3-11
 HISTORICAL RELEASE
 40.252420 / -104.539510
 NE¼ SW¼ SEC.3 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-17286
 REMEDIATION # 22098

FIGURE NO.
2

DRAWN BY:
TC



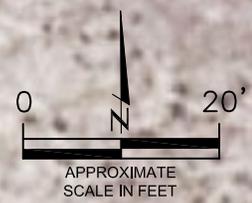
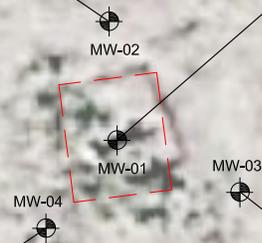
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MW-02@7.5-10'
 10/21/22
 7.5-10'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 G = <0.200
 D = <25.0
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200

MW-01@10-13.5'
 10/21/22
 10-13.5'
 B = <0.00200
 T = <0.00200
 E = <0.00200
 X = <0.00200
 G = 146
 D = 160
 R = <100
 1,2,4-TMB = <0.00200
 1,3,5-TMB = <0.00200

MW-04@7.5-10'
 10/21/22
 7.5-10'
 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

MW-03@10-13.5'
 10/21/22
 10-13.5'
 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



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- APPROXIMATE MONITORING WELL LOCATIONS

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)

mg/kg = MILLIGRAMS PER KILOGRAM

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

MONITORING WELL SOIL ANALYTICAL MAP
 BECCA #D 3-11
 HISTORICAL RELEASE
 40.252420 / -104.539510
 NE¼ SW¼ SEC.3 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-17286
 REMEDIATION # 22098

FIGURE NO.
 3

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 GEC

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LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- APPROXIMATE MONITORING WELL LOCATIONS

PARAMETERS

SAMPLE LOCATION
DATE SAMPLE COLLECTED
APPROXIMATE DEPTH

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

ND = NON-DETECT

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.

VALUES PRESENTED WITH AN ASTERISK (*) EXCEED COGCC TABLE 915-1 GROUNDWATER SOIL SCREENING LEVELS.

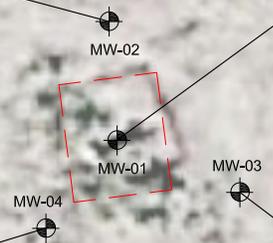
COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

MW-02@7.5-10'
10/21/22
7.5-10'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

MW-01@10-13.5'
10/21/22
10-13.5'
ND = <0.0335
1-Methylnaphthalene = **<0.0335***
2-Methylnaphthalene = **<0.0335***
Acenaphthene = 0.0621
Anthracene = ND
Benzo(a)anthracene = **<0.0335***
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = 0.0585
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = 0.0223
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = **<0.0335***
Pyrene = ND

MW-04@7.5-10'
10/21/22
7.5-10'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND

MW-03@10-13.5'
10/21/22
10-13.5'
ND = <0.00067
1-Methylnaphthalene = ND
2-Methylnaphthalene = ND
Acenaphthene = ND
Anthracene = ND
Benzo(a)anthracene = ND
Benzo(a)pyrene = ND
Benzo(b)fluoranthene = ND
Benzo(k)fluoranthene = ND
Chrysene = ND
Dibenzo(a,h)anthracene = ND
Fluoranthene = ND
Fluorene = ND
Indeno(1,2,3-CD)pyrene = ND
Naphthalene = ND
Pyrene = ND



MONITORING WELL PAH ANALYTICAL MAP

BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDATION # 22098

FIGURE NO.
4

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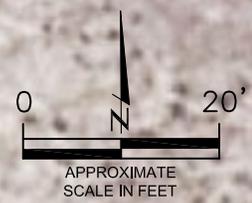
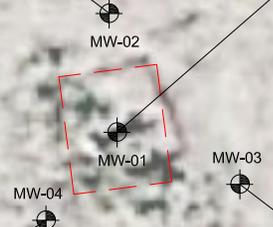
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ENVIRONMENTAL
CONSULTING, LLC.
8000 W 44th Ave, Wheat Ridge, CO 80033
Ph: 303-433-0479 • F: 303-325-5449

MW-02
 10/25/22
 B = <1.00
 T = <1.00
 E = <1.00
 X = <1.00
 N = <2.00
 1,2,4-TMB = <2.00
 1,3,5-TMB = <2.00
 1-Methylnaphthalene = 0.0411
 C = 87.3
 S = 914
 TDS= 1590

MW-01
 10/25/22
 B = <1.00
 T = <1.00
 E = 3.78
 X = 52.6
 N = 32.2
 1,2,4-TMB = **782**
 1,3,5-TMB = **387**
 1-Methylnaphthalene = **154**
 C = 89.9
 S = 914
 TDS= 1600

MW-04
 10/25/22
 B = <1.00
 T = <1.00
 E = <1.00
 X = <1.00
 N = <2.00
 1,2,4-TMB = <2.00
 1,3,5-TMB = <2.00
 1-Methylnaphthalene = 0.1
 C = 83.2
 S = 922
 TDS= 1570

MW-03
 10/25/22
 B = <1.00
 T = <1.00
 E = <1.00
 X = <1.00
 N = <2.00
 1,2,4-TMB = <2.00
 1,3,5-TMB = <2.00
 1-Methylnaphthalene = 0.1
 C = 88.1
 S = 926
 TDS= 1530



LEGEND

- INITIAL ASSESSMENT BOUNDARIES
- APPROXIMATE MONITORING WELL LOCATIONS

PARAMETERS

GROUNDWATER SAMPLE LOCATION
 DATE
 B = BENZENE (µg/L)
 T = TOLUENE (µg/L)
 E = ETHYLBENZENE (µg/L)
 X = TOTAL XYLENES (µg/L)
 N = NAPHTHALENE (µg/L)
 1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE (µg/L)
 1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE (µg/L)
 1-METHYLNAPHTHALENE (µg/L)
 C = CHLORIDE (mg/L)
 S = SULFATE (mg/L)
 TDS = TOTAL DISSOLVED SOLIDS (mg/L)

µg/L = MICROGRAMS PER LITER
 mg/L = MICROGRAMS PER LITER

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

THE INORGANIC GROUNDWATER PARAMETERS IN MW-03 AND MW-04 WERE USED IN THE DETERMINATION OF LOCAL BACKGROUND LEVELS AT THE SITE.

VALUES PRESENTED IN **BOLD** EXCEEDED THE COGCC TABLE 915-1 REGULATORY LIMITS AND/OR COGCC NARRATIVE GROUNDWATER QUALITY STANDARDS*.

*COGCC REGULATORY LIMITS IN GROUNDWATER HAVE NOT BEEN ESTABLISHED FOR 1-METHYLNAPHTHALENE. COGCC IMPLEMENTS A NARRATIVE GROUNDWATER QUALITY STANDARD TAKEN FROM THE ENVIRONMENTAL PROTECTION AGENCY (EPA) REGIONAL SCREENING LEVELS (RSLs) FOR TAPWATER, AS INCORPORATED BY REFERENCE IN RULE 901.B, TABLES FOR TARGET RISK ("TR")=1x10⁻⁶ AND TARGET HAZARD QUOTIENT ("THQ")=0.1. THE EPA RSL FOR TAPWATER, AND RESULTANT NARRATIVE GROUNDWATER QUALITY STANDARD FOR 1-METHYLNAPHTHALENE IS 1.1 µg/L.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

GROUNDWATER ANALYTICAL MAP

(10/25/22)
 BECCA #D 3-11
 HISTORICAL RELEASE
 40.252420 / -104.539510
 NE¼ SW¼ SEC.3 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-17286
 REMEDIATION # 22098

FIGURE NO.
 5

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TABLES

Table 1: Photoionization Detector Reading Summary

Table 2: Soil Analytical Results Summary

Table 3: Polycyclic Aromatic Hydrocarbons Analytical Results Summary

Table 4: Groundwater Analytical Results Summary

Table 5: Inorganic Groundwater Parameters Summary

Table 6: Dissolved PAH Analytical Results Summary

Table 7: Groundwater Elevation Summary

TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDIAION # 22098

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
WH-SS-01 @ 6' (40.252421 / -104.539527)	04/15/22	6	8.3	N
WH-SS-02 @ 6' (40.252420 / -104.539508)	04/15/22	6	2.8	N
WH-SS-03 @ 6' (40.252397 / -104.539523)	04/15/22	6	0.3	N
WH-SS-04 6' (40.252412 / -104.539525)	04/15/22	6	1.3	N
WH-FS-01 @ 7' (40.252416 / -104.539524)	04/15/22	7	13.2	Y
Background-01 @ 3' (40.252413 / -104.539517)	04/15/22	3	0.5	Y
FL-SS-01 @ 4' (40.248862 / -104.540574)	05/24/22	4	2.5	Y
FL-SS-02 @ 3' (40.250364 / -104.539784)	05/24/22	3	1.2	N
FL-SS-03 @ 3' (40.250568 / -104.539660)	05/24/22	3	1.1	N
FL-SS-04 @ 3' (40.250776 / -104.539538)	05/24/22	3	0.6	N
FL-SS-05 @ 3' (40.250982 / -104.539424)	05/24/22	3	0.3	N
FL-SS-06 @ 3' (40.251118 / -104.539332)	05/24/22	3	1.2	N
FL-SS-07 @ 3' (40.251380 / -104.539213)	05/24/22	3	1.5	N
FL-SS-08 @ 3' (40.251616 / -104.539280)	05/24/22	3	1.6	N
FL-SS-09 @ 3' (40.251915 / -104.5393717)	05/24/22	3	1.5	N
FL-SS-10 @ 3' (40.252131 / -104.539446)	05/24/22	3	0.1	N
FL-SS-11 @ 3' (40.252387 / -104.539523)	05/24/22	3	0.3	N
Background-02 @ 1' (40.248778 / -104.540625)	05/24/22	1	0.1	Y



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TABLE 1
PHOTOIONIZATION DETECTOR READING SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¹/₄ SW¹/₄ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDIAION # 22098

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm-v)	Lab Submission (Y/N)
MW-01 @ 10-13.5' (40.252406 / -104.539533)	10/21/22	10-13.5	113.2	Y
MW-02 @ 7.5-10' (40.252442 / -104.539536)	10/21/22	7.5-10	0.9	Y
MW-03 @ 10-13.5' (40.252389 / -104.539493)	10/21/22	10-13.5	0.6	Y
MW-04 @ 7.5-10' (40.252379 / -104.539556)	10/21/22	7.5-10	1.4	Y
(Y/N) = Yes or No ppm-v = parts per million by volume PID = photoionization detector				



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TABLE 2
 SOIL ANALYTICAL RESULTS SUMMARY
 BECCA #D 3-11
 HISTORICAL RELEASE
 40.252420 / -104.539510
 NE¼ SW¼ SEC.3 T3N R64W 6PM
 WELD COUNTY, COLORADO
 API # 05-123-17286
 REMEDIATION # 22098

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)	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	<4	6-8.3	<6
COGCC Table 915-1 Protection of Groundwater Soil Screening Levels				0.0026	0.69	0.78	9.9	--			0.0081	0.0087	--	--	--	--
WH-FS-01 @ 7' (40.252416 / -104.539524)	04/15/22	7	13.2	<0.00200	<0.00200	<0.00200	0.00744	0.295	<25.0	<100	<0.00200	0.0159*	0.119	0.602	8.66	2.90
FL-SS-01 @ 4' (40.248862 / -104.540574)	05/24/22	4	2.5	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	3.95	0.154	8.43	0.221
Background-02 @ 1' (40.248778 / -104.540625)	05/24/22	1	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.100	NA	7.50	NA
MW-01 @ 10-13.5' (40.252406 / -104.539533)	10/21/22	10-13.5	113.2	<0.00200	<0.00200	<0.00200	<0.00200	146	160	<100	<0.00200	<0.00200	NA	NA	NA	NA
MW-02 @ 7.5-10' (40.252442 / -104.539536)	10/21/22	7.5-10	0.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	NA	NA	NA
MW-03 @ 10-13.5' (40.252389 / -104.539493)	10/21/22	10-13.5	0.6	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	NA	NA	NA
MW-04 @ 7.5-10' (40.252379 / -104.539556)	10/21/22	7.5-10	1.4	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.00200	<0.00200	NA	NA	NA	NA
COGCC = Colorado Oil and Gas Conservation Commission mg/kg = milligrams per kilogram mmhos/cm = millimhos per centimeter PID = Photoionization Detector ppm-v = parts per million by volume mg/L = milligrams per liter SAR = Sodium Adsorption Ratio Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory MDL and/or reporting limit. Note: Values presented in BOLD contained concentrations exceeding COGCC Table 915-1 Regulatory Limits. Values with asterisk (*) exceed COGCC Table 915-1 protection of groundwater soil screening levels for that compound																
				TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics				1,2,4-TMB = 1,2,4-Trimethylbenzene				MDL = Minimum Detection Limits				
				TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics				1,3,5-TMB = 1,3,5-Trimethylbenzene								
				TPH-RRO = Total Petroleum Hydrocarbons - Residual Range Organics												
				NA = Not Analyzed												

TABLE 3
POLYCYCLIC AROMATIC HYDROCARBONS ANALYTICAL RESULTS SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDIATION # 22098

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	PID Reading (ppm- v)	1-Methyl- naphthalene (mg/kg)	2-Methyl- naphthalene (mg/kg)	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)	Naphthalene (mg/kg)	Pyrene (mg/kg)
<i>COGCC Table 915-1 Residential Screening Levels</i>				18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	2	180
<i>COGCC Table 915-1 Protection of Groundwater Soil Screening Levels</i>				0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	0.0038	1.3
WH-FS-01 @ 7' (40.252416 / -104.539524)	04/15/22	7	13.2	0.0106*	0.0108	0.00224	0.000382	<0.00067	0.00085	0.000677	<0.00067	0.00281	<0.00067	<0.00067	0.00575	<0.00067	0.00276	0.00333
FL-SS-01 @ 4' (40.249862 / -104.540574)	05/24/22	4	2.5	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-01 @ 10-13.5' (40.252406 / -104.539533)	10/21/22	10-13.5	113.2	<0.0335*	<0.0335*	0.0621	<0.0335	<0.0335*	<0.0335	<0.0335	<0.0335	0.0585	<0.0335	<0.0335	0.0223	<0.0335	<0.0335*	<0.0335
MW-02 @ 7.5-10' (40.252442 / -104.539536)	10/21/22	7.5-10	0.9	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-03 @ 10-13.5' (40.252389 / -104.539493)	10/21/22	10-13.5	0.6	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
MW-04 @ 7.5-10' (40.252379 / -104.539556)	10/21/22	7.5-10	1.4	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067

COGCC = Colorado Oil and Gas Conservation Commission PID = Photoionization Detector

mg/kg = milligrams per kilogram ppm-v = parts per million by volume

Note: Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting limit.

Note: Values presented in **BOLD** contained concentrations exceeding COGCC Table 915-1 Regulatory Limits. Values with asterisk (*) exceed COGCC Table 915-1 protection of groundwater soil screening levels for that compound

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDATION # 22098

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Napthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)
COGCC Table 915-1 Regulatory Limits (µg/L)		5	560	700	1400	140	67	67
MW-01 (40.252406 / -104.539533)	10/25/22	<1.00	<1.00	3.78	52.6	32.2	782	387
MW-02 (40.252442 / -104.539536)	10/25/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-03 (40.252389 / -104.539493)	10/25/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00
MW-04 (40.252379 / -104.539556)	10/25/22	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00

Notes:

COGCC = Colorado Oil and Gas Conservation Commission

µg/L = micrograms per liter

Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit.

Values presented in **bold** typeface exceed their respective COGCC - Regulatory Limits (Table 915-1).

1,2,4-TMB = 1,2,4-Trimethylbenzene

1,3,5-TMB = 1,3,5-Trimethylbenzene

TABLE 5
INORGANIC GROUNDWATER PARAMETERS SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDIAATION # 22098

Sample Location (Latitude/Longitude)	Date	Chlorides (mg/L)	Sulfates (mg/L)	Total Dissolved Solids (mg/L)
COGCC Table 915-1 Regulatory Limits (mg/L)		250	1.25 x Local Background (1153)	1.25 x Local Background (1963)
MW-01 (40.252406 / -104.539533)	10/25/22	89.9	914	1600
MW-02 (40.252442 / -104.539536)	10/25/22	87.3	914	1590
MW-03 (40.252389 / -104.539493)	10/25/22	88.1	926	1530
MW-04 (40.252379 / -104.539556)	10/25/22	83.2	922	1570
Notes: mg/L - milligrams per liter The Inorganic Groundwater Parameters in monitoring well MW-04 were used in the determination of "local background" levels at the site. Local "regulatory limit" (1.25*local background) presented (in parentheses). Values presented in bold typeface exceed their respective COGCC - Regulatory Limits (Table 915-1).				



TABLE 6
DISSOLVED PAH ANALYTICAL RESULTS SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDIAION # 22098

Sample Location (Latitude/Longitude)	Date	1-Methyl-naphthalene (µg/L)
COGCC Narrative Groundwater Quality Standard*		1.1*
MW-01 (40.252406 / -104.539533)	10/25/22	154
MW-02 (40.252442 / -104.539536)	10/25/22	0.0411
MW-03 (40.252389 / -104.539493)	10/25/22	<0.1
MW-04 (40.252379 / -104.539556)	10/25/22	<0.1
COGCC = Colorado Oil and Gas Conservation Commission µg/L - micrograms per liter Notes: *COGCC regulatory limits in groundwater have not been established for 1-methylnaphthalene. COGCC implements a narrative groundwater quality standard taken from the Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for Tapwater, as incorporated by reference in Rule 901.b, tables for Target Risk ("TR") = 1x10 ⁻⁶ and Target Hazard Quotient ("THQ")=0.1. The EPA RSL for Tapwater, and resultant narrative groundwater quality standard for 1-methylnaphthalene is 1.1 µg/L. Values presented with a less than symbol (<) did not contain concentrations at or above the laboratory reporting and/or minimum detection limit. Values presented in BOLD contained concentrations exceeding applicable Quality Standards		

TABLE 7
GROUNDWATER ELEVATION SUMMARY
BECCA #D 3-11
HISTORICAL RELEASE
40.252420 / -104.539510
NE¼ SW¼ SEC.3 T3N R64W 6PM
WELD COUNTY, COLORADO
API # 05-123-17286
REMEDATION # 22098

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet) (TOC)
MW-01 (40.252406 / -104.539533)	10/25/22	99.51	13.88	85.63
MW-02 (40.252442 / -104.539536)	10/25/22	99.54	13.93	85.61
MW-03 (40.252389 / -104.539493)	10/25/22	100.00	14.50	85.50
MW-04 (40.252379 / -104.539556)	10/25/22	99.50	13.81	85.69
Notes: TOC - Top of Casing bgs- below ground surface				





ATTACHMENT A

Soil Boring Logs / Well Completion Diagrams

Boring Log/Well Completion Diagram: MW-01

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-20') silty SAND - brown, moist to wet, medium dense to dense, fine to medium grained, poorly-graded with ~15-20% silt	SM	DP	1	60	0.6	N/A	<p>Concrete/Steel Casing Bentonite Chips 2" Dia. Sch. 40 PVC Riser 10/20 Silica Sand Pack 2" Dia. Sch. 40 Slotted PVC (0.010") 2" End Cap</p>		
5						0.9				
10						2.5				
15						20.5				
10	@10-15' - black staining, HC odor	SM	DP	3	70	113.2	N/A			
15						110.1				
15	@13.5' - wet	SM	DP	4	80	89.4	N/A			
20	8.6									
20	BoB @ 20'									

DP - Direct Push
 HA - hand auger
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 10/21/22	SAND PACK INTERVAL (FEET): 2-18
PROJECT: BECCA #D 3-11	BENTONITE/GROUT INTERVAL (FEET): 1-2
LOGGED BY: C. TRIPLET	WELL SCREEN INTERVAL (FEET): 3-18
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): 2
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): 18
PID INSTRUMENT: MINIRAE 3000 - PID #15	<p>EAGLE ENVIRONMENTAL CONSULTING, LLC. 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 0950/1015	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 10-13.5/1000	

Boring Log/Well Completion Diagram: MW-02

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS		
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %							
0	(0-20') silty SAND - brown, moist to wet, medium dense to dense, fine to medium grained, poorly-graded with ~15-20% silt, N/O, N/S	SM	DP	1	50	0.1	N/A	<p>Concrete/Steel Casing</p> <p>Bentonite Chips</p> <p>2" Dia. Sch. 40 PVC Riser</p> <p>10/20 Silica Sand Pack</p> <p>2" Dia. Sch. 40 Slotted PVC (0.010")</p> <p>2" End Cap</p>				
0.5						0.7						
5			DP	2	70	0.5	N/A					
5.5						0.9						
10			DP	3	70	0.8	N/A					
10.5						0.8						
15			DP	4	80	0.6	N/A					
15.5						0.5						
20			BoB @ 20'									

@13.5' - wet

DP - Direct Push
 HA - hand auger
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 10/21/22		SAND PACK INTERVAL (FEET): 4-20	
PROJECT: BECCA #D 3-11		BENTONITE/GROUT INTERVAL (FEET): 1-4	
LOGGED BY: C. TRIPLETT		WELL SCREEN INTERVAL (FEET): 5-20	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): 20	<p>EAGLE ENVIRONMENTAL CONSULTING, LLC. 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1030/1100			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 7.5-10/1040			

Boring Log/Well Completion Diagram: MW-03

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-20') silty SAND - brown, moist to wet, medium dense to dense, fine to medium grained, poorly-graded with ~15-20% silt, N/O, N/S @13.5' - wet BoB @ 20'	SM	DP	1	70	0.1	N/A	<p>Concrete/Steel Casing</p> <p>Bentonite Chips</p> <p>2" Dia. Sch. 40 PVC Riser</p> <p>10/20 Silica Sand Pack</p> <p>2" Dia. Sch. 40 Slotted PVC (0.010")</p> <p>2" End Cap</p>		
0.4										
5			DP	2	85	0.1	N/A			
0.3										
10			DP	3	80	0.6	N/A			
0.2										
15			DP	4	85	0.3	N/A			
0.1										
20										
25										
30										

DP - Direct Push
 HA - hand auger
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 10/21/22		SAND PACK INTERVAL (FEET): 4-20	
PROJECT: BECCA #D 3-11		BENTONITE/GROUT INTERVAL (FEET): 1-4	
LOGGED BY: C. TRIPLET		WELL SCREEN INTERVAL (FEET): 5-20	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): 20	<p>EAGLE ENVIRONMENTAL CONSULTING, LLC. 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1125/1155			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 10-13.5/1130			

Boring Log/Well Completion Diagram: MW-04

DEPTH (FT)	LITHOLOGY	SAMPLE				OVM/OVA (PPM)	BLOW COUNT (per 0.5 FT)	DEPTH (FT)	WELL CONSTRUCTION DETAIL	COMMENTS
	DESCRIPTION	GRAPHIC LOG	TYPE	NUMBER	RECOVERY %					
0	(0-20') silty SAND - brown, moist to wet, medium dense to dense, fine to medium grained, poorly-graded with ~15-20% silt, N/O, N/S @13.5' - wet BoB @ 20'	SM	DP	1	70	0.1	N/A	<p>Concrete/Steel Casing</p> <p>Bentonite Chips</p> <p>2" Dia. Sch. 40 PVC Riser</p> <p>10/20 Silica Sand Pack</p> <p>2" Dia. Sch. 40 Slotted PVC (0.010")</p> <p>2" End Cap</p>		
0.3										
5			DP	2	85	1.3	N/A			
1.4										
10			DP	3	80	0.8	N/A			
0.5										
15			DP	4	85	0.3	N/A			
0.5										
20										
25										
30										

DP - Direct Push
 HA - hand auger
 HC - Hydrocarbon
 BoB - Bottom of Boring
 N/O - no odor
 N/S - no staining
 TOC - top of casing
 bgs - below ground surface

START/COMPLETION DATE: 10/21/22		SAND PACK INTERVAL (FEET): 4-20	
PROJECT: BECCA #D 3-11		BENTONITE/GROUT INTERVAL (FEET): 1-4	
LOGGED BY: C. TRIPLETT		WELL SCREEN INTERVAL (FEET): 5-20	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 2	
BORING DEPTH (FEET): 20	WELL DEPTH (FEET): 20	<p>EAGLE ENVIRONMENTAL CONSULTING, LLC. 8000 W 44th Ave., Wheat Ridge, CO 80033 Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #15			
TIME STARTED/COMPLETED: 1200/1230			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 7.5-10/1210			



ATTACHMENT B

Laboratory Analytical Reports

November 10, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Becca #D 3-11

Project Number - [none]

Attached are your analytical results for Noble - Becca #D 3-11 received by Origins Laboratory, Inc. October 21, 2022. This project is associated with Origins project number Y210539-01.

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



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Becca #D 3-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01@10-13.5'	Y210539-01	Soil	October 21, 2022 10:00	10/21/2022 14:45
MW-02@7.5-10'	Y210539-03	Soil	October 21, 2022 10:40	10/21/2022 14:45
MW-03@10-13.5'	Y210539-05	Soil	October 21, 2022 11:30	10/21/2022 14:45
MW-04@7.5-10'	Y210539-07	Soil	October 21, 2022 12:10	10/21/2022 14:45

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 - Becca #D 3-11

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1210539

Client: Eagle Environmental
 Client Project ID: Becca D#3-11

Checklist Completed by: TSH/DE

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

Date/time completed: 10/24/22

Airbill #: N/A

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

Cooler Number/Temperature: 1, 13 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ^{(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.			X	
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.

Reviewed by: JB (Project Manager)

Date/Time Reviewed: 10-26-22

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 - Becca #D 3-11

MW-01@10-13.5'
10/21/2022 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y210539-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	160		25.0	mg/kg	1	B2J2625	10/26/2022	10/29/2022	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: *o*-Terphenyl 156 % 50-150 " " " S-04

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J2524	10/25/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	146		5.00	"	25	"	"	11/03/2022	

Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 " " 11/02/2022
 Surrogate: Toluene-d8 101 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 115 % 70-130 " " "

PAH by 8270D SIM

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 - Becca #D 3-11

MW-01@10-13.5'
10/21/2022 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y210539-01 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.0182	0.0335	mg/Kg	50	L645698	10/27/2022	10/28/2022	
2-Methylnaphthalene	ND	0.0323	0.0335	"	"	"	"	"	
Acenaphthene	0.0621	0.0152	0.0335	"	"	"	"	"	
Anthracene	ND	0.0167	0.0335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.0247	0.0335	"	"	"	"	"	
Benzo(a)pyrene	ND	0.0234	0.0335	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.0293	0.0335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.0219	0.0335	"	"	"	"	"	
Chrysene	0.0585	0.0312	0.0335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0307	0.0335	"	"	"	"	"	
Fluoranthene	ND	0.0197	0.0335	"	"	"	"	"	
Fluorene	0.0223	0.0143	0.0335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.0314	0.0335	"	"	"	"	"	
Naphthalene	ND	0.0242	0.0335	"	"	"	"	"	
Pyrene	ND	0.0322	0.0335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	67.6 %		33-115	"	"	"	"	"	
Surrogate: 4-Terphenyl-d14	80.9 %		33-122	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	90 %		29-110	"	"	"	"	"	

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 - Becca #D 3-11

MW-02@7.5-10'
10/21/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y210539-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2J2625	10/26/2022	10/29/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	83.6 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J2524	10/25/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.0 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.6 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

PAH by 8270D SIM

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 - Becca #D 3-11

MW-02@7.5-10'
10/21/2022 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y210539-03 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L645698	10/27/2022	10/28/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	57.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.5 %	29-110	"	"	"

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 - Becca #D 3-11

MW-03@10-13.5'
10/21/2022 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y210539-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2J2625	10/26/2022	10/29/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	82.6 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J2524	10/25/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.6 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

PAH by 8270D SIM

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 - Becca #D 3-11

MW-03@10-13.5'
10/21/2022 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y210539-05 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L645698	10/27/2022	10/28/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	72.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	83.9 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	64.4 %		29-110			"	"	"	

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 - Becca #D 3-11

MW-04@7.5-10'
10/21/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y210539-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2J2625	10/26/2022	10/29/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	84.8 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2J2524	10/25/2022	11/02/2022	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.2 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

PAH by 8270D SIM

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 - Becca #D 3-11

MW-04@7.5-10'
 10/21/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
 Y210539-07 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L645698	10/27/2022	10/28/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	
Fluorene	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	72.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	84.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	63.9 %	29-110	"	"	"

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 - Becca #D 3-11

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 B2J2524 - EPA 5030 (soil)

Blank (B2J2524-BLK1)

Prepared: 10/25/2022 Analyzed: 11/02/2022

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	0.12		"	0.125	96.8		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	102		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	102		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 - Becca #D 3-11

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 B2J2524 - EPA 5030 (soil)

LCS (B2J2524-BS1)

Prepared: 10/25/2022 Analyzed: 11/02/2022

1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100		110	70-130			
1,3,5-Trimethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.0920	0.00380	"	0.100		92.0	70-130			
Toluene	0.103	0.00200	"	0.100		103	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.213	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.1	70-130			

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

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 B2J2524 - EPA 5030 (soil)

Matrix Spike (B2J2524-MS1)	Source: Y210557-01			Prepared: 10/25/2022 Analyzed: 11/03/2022						
1,2,4-Trimethylbenzene	0.0708	0.00200	mg/kg	0.100	ND	70.8	70-130			
1,3,5-Trimethylbenzene	0.0712	0.00200	"	0.100	ND	71.2	70-130			
Benzene	0.0734	0.00200	"	0.100	ND	73.4	70-130			
Ethylbenzene	0.0715	0.00200	"	0.100	ND	71.5	70-130			
Naphthalene	0.0635	0.00380	"	0.100	ND	63.5	70-130			QM-07
Toluene	0.0719	0.00200	"	0.100	ND	71.9	70-130			
o-Xylene	0.0722	0.00200	"	0.100	ND	72.2	70-130			
m,p-Xylene	0.144	0.00400	"	0.200	ND	71.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
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 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

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 B2J2524 - EPA 5030 (soil)

Matrix Spike Dup (B2J2524-MSD1)	Source: Y210557-01			Prepared: 10/25/2022 Analyzed: 11/03/2022						
1,2,4-Trimethylbenzene	0.0877	0.00200	mg/kg	0.100	ND	87.7	70-130	21.2	20	QM-07
1,3,5-Trimethylbenzene	0.0866	0.00200	"	0.100	ND	86.6	70-130	19.5	20	
Benzene	0.0884	0.00200	"	0.100	ND	88.4	70-130	18.6	20	
Ethylbenzene	0.0873	0.00200	"	0.100	ND	87.3	70-130	19.9	20	
Naphthalene	0.0820	0.00380	"	0.100	ND	82.0	70-130	25.4	20	QM-07
Toluene	0.0879	0.00200	"	0.100	ND	87.9	70-130	19.9	20	
o-Xylene	0.0883	0.00200	"	0.100	ND	88.3	70-130	20.1	20	QM-07
m,p-Xylene	0.176	0.00400	"	0.200	ND	88.0	70-130	20.1	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	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 - Becca #D 3-11

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 B2J2625 - EPA 3550B										
Blank (B2J2625-BLK1)										
					Prepared: 10/26/2022 Analyzed: 10/28/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		83.3	50-150			

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 - Becca #D 3-11

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 B2J2625 - EPA 3550B

LCS (B2J2625-BS1)

Prepared: 10/26/2022 Analyzed: 10/28/2022

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	837	200	"	1000		83.7	70-130			
Surrogate: o-Terphenyl	40		"	49.8		80.5	50-150			

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 - Becca #D 3-11

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 B2J2625 - EPA 3550B

Matrix Spike (B2J2625-MS1)	Source: Y210530-01			Prepared: 10/26/2022 Analyzed: 10/28/2022						
Diesel (C10-C28)	1080	50.0	mg/kg	1000	ND	108	70-130			
Residual Range Organics (C28-C40)	894	200	"	1000	ND	89.4	70-130			
Surrogate: o-Terphenyl	38		"	49.8		76.3	50-150			

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 - Becca #D 3-11

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 B2J2625 - EPA 3550B

Matrix Spike Dup (B2J2625-MSD1)	Source: Y210530-01		Prepared: 10/26/2022 Analyzed: 10/28/2022							
Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130	2.63	35	
Residual Range Organics (C28-C40)	862	200	"	1000	ND	86.2	70-130	3.71	35	
Surrogate: o-Terphenyl	38		"	49.8		75.4	50-150			

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 - Becca #D 3-11

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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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 L645698 - 3550B

MSD (L 83631-MSD-L645698)		Source: 83631			Prepared: 10/27/2022 Analyzed: 10/28/2022					
Benzo(a)pyrene	0.0697	0.0335	mg/Kg	0.163	<0.0234	42.7	30-130	8.6	30	
1-Methylnaphthalene	0.0752	0.0335	"	0.163	<0.0182	46.1	30-130	26.8	30	
2-Methylnaphthalene	0.0773	0.0335	"	0.163	<0.0323	47.4	30-130	28.5	30	
Acenaphthene	0.069	0.0335	"	0.163	<0.0152	42.3	30-130	24.6	30	
Anthracene	0.0733	0.0335	"	0.163	<0.0167	44.9	30-130	29.2	30	
Benzo(b)fluoranthene	0.0602	0.0335	"	0.163	<0.0293	36.9	30-130	53.3	30	*
Pyrene	0.0678	0.0335	"	0.163	<0.0322	41.5	30-130	43	30	*
Naphthalene	0.0747	0.0335	"	0.163	<0.0242	45.8	30-130	13.9	30	
Indeno(1,2,3-cd)pyrene	0.0812	0.0335	"	0.163	<0.0314	49.8	30-130	12.6	30	
Fluorene	0.0772	0.0335	"	0.163	<0.0143	47.3	30-130	16.6	30	
Fluoranthene	0.0614	0.0335	"	0.163	<0.0197	37.6	30-130	55	30	*
Dibenz(a,h)anthracene	0.0742	0.0335	"	0.163	<0.0307	45.5	30-130	39.7	30	*
Chrysene	0.0738	0.0335	"	0.163	<0.0312	45.2	30-130	25.2	30	
Benzo(k)fluoranthene	0.0731	0.0335	"	0.163	<0.0219	44.8	30-130	48.5	30	*
Benzo(a)anthracene	0.0861	0.0335	"	0.163	<0.0247	52.8	30-130	21.6	30	
Surrogate: 2-Fluorobiphenyl	45.2		"	0.327	218	45.2	33-115			
Surrogate: 4-Terphenyl-d14	40.3		"	0.327	200	40.3	33-122			
Surrogate: Nitrobenzene-d5	40		"	0.327	199	40	29-110			

MS (L 83631-MS-L645698)		Source: 83631			Prepared: 10/27/2022 Analyzed: 10/28/2022					
Benzo(a)pyrene	0.076	0.0335	mg/Kg	0.162	<0.0234	46.9	30-130			
Chrysene	0.0951	0.0335	"	0.162	<0.0312	58.7	30-130			

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 - Becca #D 3-11

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 L645698 - 3550B

MS (L 83631-MS-L645698)		Source: 83631			Prepared: 10/27/2022 Analyzed: 10/28/2022					
Pyrene	0.105	0.0335	mg/Kg	0.162	<0.0322	64.8	30-130			
Naphthalene	0.0859	0.0335	"	0.162	<0.0242	53	30-130			
Indeno(1,2,3-cd)pyrene	0.0922	0.0335	"	0.162	<0.0314	56.9	30-130			
Fluorene	0.0912	0.0335	"	0.162	<0.0143	56.2	30-130			
Fluoranthene	0.108	0.0335	"	0.162	<0.0197	66.6	30-130			
Dibenz(a,h)anthracene	0.111	0.0335	"	0.162	<0.0307	68.5	30-130			
Benzo(b)fluoranthene	0.104	0.0335	"	0.162	<0.0293	64.1	30-130			
Benzo(a)anthracene	0.107	0.0335	"	0.162	<0.0247	66	30-130			
Anthracene	0.0984	0.0335	"	0.162	<0.0167	60.7	30-130			
Acenaphthene	0.0884	0.0335	"	0.162	<0.0152	54.5	30-130			
2-Methylnaphthalene	0.103	0.0335	"	0.162	<0.0323	63.5	30-130			
1-Methylnaphthalene	0.0985	0.0335	"	0.162	<0.0182	60.8	30-130			
Benzo(k)fluoranthene	0.12	0.0335	"	0.162	<0.0219	74	30-130			
Surrogate: Nitrobenzene-d5	53.5		"	0.325	199	53.5	29-110			
Surrogate: 2-Fluorobiphenyl	62.7		"	0.325	218	62.7	33-115			
Surrogate: 4-Terphenyl-d14	62.4		"	0.325	200	62.4	33-122			

LCS (LCS-L645698)		Prepared: 10/27/2022 Analyzed: 10/28/2022								
Dibenz(a,h)anthracene	0.0974	0.00067	mg/Kg	0.167		58.3	30-130			
Fluoranthene	0.108	0.00067	"	0.167		64.6	30-130			
Fluorene	0.105	0.00067	"	0.167		62.8	30-130			
Indeno(1,2,3-cd)pyrene	0.105	0.00067	"	0.167		62.8	30-130			
Naphthalene	0.113	0.00067	"	0.167		67.6	30-130			
Pyrene	0.109	0.00067	"	0.167		65.2	30-130			
Chrysene	0.121	0.00067	"	0.167		72.4	30-130			
1-Methylnaphthalene	0.114	0.00067	"	0.167		68.2	30-130			
Benzo(b)fluoranthene	0.118	0.00067	"	0.167		70.6	30-130			

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 - Becca #D 3-11

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 L645698 - 3550B

LCS (LCS-L645698)

Prepared: 10/27/2022 Analyzed: 10/28/2022

Benzo(a)pyrene	0.107	0.00067	mg/Kg	0.167		64	30-130			
Benzo(a)anthracene	0.125	0.00067	"	0.167		74.8	30-130			
Acenaphthene	0.101	0.00067	"	0.167		60.4	30-130			
2-Methylnaphthalene	0.112	0.00067	"	0.167		67	30-130			
Anthracene	0.126	0.00067	"	0.167		75.4	30-130			
Benzo(k)fluoranthene	0.129	0.00067	"	0.167		77.2	30-130			
Surrogate: 4-Terphenyl-d14	92.1		"	0.333		92.1	33-122			
Surrogate: Nitrobenzene-d5	63.9		"	0.333		63.9	29-110			
Surrogate: 2-Fluorobiphenyl	72.3		"	0.333		72.3	33-115			

LRB (LRB-L645698)

Prepared: 10/27/2022 Analyzed: 10/28/2022

Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	77.1		"	0.333		77.1	33-122			

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 - Becca #D 3-11

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 L645698 - 3550B

LRB (LRB-L645698)

Prepared: 10/27/2022 Analyzed: 10/28/2022

Surrogate: Nitrobenzene-d5	60.9		mg/Kg	0.333		60.9	29-110			
Surrogate: 2-Fluorobiphenyl	68.1		"	0.333		68.1	33-115			

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 - Becca #D 3-11

Notes and Definitions

U Sample is Non-Detect.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

J Estimated Value. Analyte below reported quantitation limit.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



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



November 10, 2022

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Becca #D 3-11

Project Number - [none]

Attached are your analytical results for Noble - Becca #D 3-11 received by Origins Laboratory, Inc. October 25, 2022. This project is associated with Origins project number Y210615-01.

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 - Becca #D 3-11

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y210615-01	Water	October 25, 2022 11:20	10/25/2022 16:15
MW-02	Y210615-02	Water	October 25, 2022 11:50	10/25/2022 16:15
MW-03	Y210615-03	Water	October 25, 2022 12:20	10/25/2022 16:15
MW-04	Y210615-04	Water	October 25, 2022 12:50	10/25/2022 16:15
MW-01	Y210615-05	Water	October 25, 2022 11:20	10/25/2022 16:15
MW-02	Y210615-06	Water	October 25, 2022 11:50	10/25/2022 16:15
MW-03	Y210615-07	Water	October 25, 2022 12:20	10/25/2022 16:15
MW-04	Y210615-08	Water	October 25, 2022 12:50	10/25/2022 16:15
MW-01	Y210615-09	Water	October 25, 2022 11:20	10/25/2022 16:15
MW-02	Y210615-10	Water	October 25, 2022 11:50	10/25/2022 16:15
MW-03	Y210615-11	Water	October 25, 2022 12:20	10/25/2022 16:15
MW-04	Y210615-12	Water	October 25, 2022 12:50	10/25/2022 16:15

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 - Becca #D 3-11

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page 1 of 3

4210615

Client: EAGLE ENVIRONMENTAL CONSULTING
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: MCE@EAGLE-ENV.COM

Project Manager: MARTIN ECKERT III
 Project Name: BECCA #D 3-11
 Project Number: ---
 Samples Collected By: CT

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #		Other
MW-01	10/25/12	1120	3	X				X				
MW-02		1150										
MW-03		1220										
MW-04		1250										

Analysis: Asbestos
Fluoride
Lead
Mercury
Nickel
Selenium
Silver
Vanadium
Zinc

Relinquished By: Carla H Date: 10/25/12 Time: 1015
 Relinquished By: _____ Date: _____ Time: _____

Received By: JE Date: 10/25/12 Time: 1015
 Received By: _____ Date: _____ Time: _____

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

Temp Received: 2.4 Date Results Needed: 10/26/12

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

Bill to Dan

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 - Becca #D 3-11

www.originslaboratory.com
 4210615
 page 2 of 3

Client: Eagle Environmental Consulting
 Project Manager: Martin Eckert III
 Address: 8000 W 44th Ave
 Project Name: Becca #D 3-11
Wheat Ridge, CO 80033
 Project Number: -
 Telephone Number: 303-433-0479
 Samples Collected By: CT
 Email Address: MCE@EAGLE-ENVIRONMENT.COM

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa			Other
MW-01	10/15/12	1120	2	K					K			X	
MW-02		1150	1										
MW-03		1220	1										
MW-04		1150	1										

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
<u>Christina</u>	10/15/12	1015	<u>SE</u>	10/25/12	11015	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/>
						48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/>
						Standard <input checked="" type="checkbox"/>

Temp Received: 2.4
 Date Results Needed: Noble

Origins Laboratory, Inc.

J. Bynon

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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

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

Sample Receipt Checklist

Origins Work Order: 4210615 Client: Eagle
 Client Project ID: Becca #D 3-11

Checklist Completed by: EHS Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 10/25/22 Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 12.4 °C / _____ °C / _____ °C (Describe) _____ °C
 Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	/			NC
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: JB (Project Manager) Date/Time Reviewed: 10-26-22

Origins Laboratory, Inc.

JB

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 - Becca #D 3-11

MW-01

10/25/2022 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-01 (Water)
Origins Laboratory, Inc.

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	782	20.0	ug/L	10	B2J2724	JSM	10/27/2022	10/28/2022	
1,3,5-Trimethylbenzene	387	20.0	"	"	"	JSM	"	"	
Benzene	ND	1.00	"	1	"	JSM	"	10/28/2022	U
Ethylbenzene	3.78	1.00	"	"	"	JSM	"	"	
Naphthalene	32.2	2.00	"	"	"	JSM	"	"	
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	52.6	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	107 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %	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 - Becca #D 3-11

MW-02

10/25/2022 11:50:00AM

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

Y210615-02 (Water)
Origins Laboratory, Inc.

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2J2724	JSM	10/27/2022	10/28/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130				"	"	"	
Surrogate: Toluene-d8	97.1 %	70-130				"	"	"	
Surrogate: 4-Bromofluorobenzene	96.1 %	70-130				"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

MW-03

10/25/2022 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-03 (Water)
Origins Laboratory, Inc.

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2J2724	JSM	10/27/2022	10/28/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130				"	"	"	
Surrogate: Toluene-d8	96.7 %	70-130				"	"	"	
Surrogate: 4-Bromofluorobenzene	96.1 %	70-130				"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

MW-04

10/25/2022 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-04 (Water)
Origins Laboratory, Inc.

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2J2724	JSM	10/27/2022	10/28/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	"
Surrogate: Toluene-d8	98.0 %	70-130			"	"	"	"
Surrogate: 4-Bromofluorobenzene	94.4 %	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 - Becca #D 3-11

MW-01

10/25/2022 11:20:00AM

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

Y210615-05 (Water)

Waypoint Analytical, LLC.

PAH by 8270D SIM

1-Methylnaphthalene	154	1	µg/L	50	L645892		10/28/2022	10/28/2022	
Surrogate: 2-Fluorobiphenyl	72.2 %			38-107		"	"	"	
Surrogate: 4-Terphenyl-d14	63.3 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	104 %			29-110		"	"	"	

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 - Becca #D 3-11

MW-02

10/25/2022 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-06 (Water)

Waypoint Analytical, LLC.

PAH by 8270D SIM

1-Methylnaphthalene	0.0411	0.02	µg/L	1	L645892		10/28/2022	10/28/2022	
Surrogate: 2-Fluorobiphenyl	73.9 %					"	"	"	
Surrogate: 4-Terphenyl-d14	58.1 %					"	"	"	
Surrogate: Nitrobenzene-d5	52.7 %					"	"	"	

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 - Becca #D 3-11

MW-03

10/25/2022 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-07 (Water)

Waypoint Analytical, LLC.

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.1	µg/L	5	L645892		10/28/2022	10/28/2022	
Surrogate: 2-Fluorobiphenyl	76.2 %			38-107		"	"	"	
Surrogate: 4-Terphenyl-d14	74.3 %			33-122		"	"	"	
Surrogate: Nitrobenzene-d5	56.7 %			29-110		"	"	"	

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 - Becca #D 3-11

MW-04

10/25/2022 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-08 (Water)

Waypoint Analytical, LLC.

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.1	µg/L	5	L645892		10/28/2022	10/28/2022	
Surrogate: 2-Fluorobiphenyl	56.9 %	38-107				"	"	"	
Surrogate: 4-Terphenyl-d14	72.6 %	33-122				"	"	"	
Surrogate: Nitrobenzene-d5	54.4 %	29-110				"	"	"	

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 - Becca #D 3-11

MW-01

10/25/2022 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-09 (Water)
Origins Laboratory, Inc.

Anions by IC 300.0

Chloride	89.9	31.2	mg/L	125	B2K0425	ACC	11/04/2022	11/08/2022	
Sulfate	914	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1600	5.00	"	1	B2J2720	EHS	10/27/2022	10/31/2022	
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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 - Becca #D 3-11

MW-02

10/25/2022 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Y210615-10 (Water)
 Origins Laboratory, Inc.**

Anions by IC 300.0

Chloride	87.3	31.2	mg/L	125	B2K0425	ACC	11/04/2022	11/08/2022	
Sulfate	914	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1590	5.00	"	1	B2J2720	EHS	10/27/2022	10/31/2022	
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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 - Becca #D 3-11

MW-03

10/25/2022 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-11 (Water)
Origins Laboratory, Inc.

Anions by IC 300.0

Chloride	88.1	31.2	mg/L	125	B2K0425	ACC	11/04/2022	11/08/2022	
Sulfate	926	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1530	5.00	"	1	B2J2720	EHS	10/27/2022	10/31/2022	
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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 - Becca #D 3-11

MW-04

10/25/2022 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y210615-12 (Water)
Origins Laboratory, Inc.

Anions by IC 300.0

Chloride	83.2	31.2	mg/L	125	B2K0425	ACC	11/04/2022	11/08/2022	
Sulfate	922	31.2	"	"	"	ACC	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	1570	5.00	"	1	B2J2720	EHS	10/27/2022	10/31/2022	
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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 - Becca #D 3-11

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 B2J2724 - EPA 5030B (Water)

Blank (B2J2724-BLK1)

Prepared: 10/27/2022 Analyzed: 10/27/2022

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5	99.0		70-130			
Surrogate: Toluene-d8	62		"	62.5	99.8		70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5	92.9		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 - Becca #D 3-11

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 B2J2724 - EPA 5030B (Water)

LCS (B2J2724-BS1)

Prepared: 10/27/2022 Analyzed: 10/27/2022

1,2,4-Trimethylbenzene	54.2	2.00	ug/L	50.0		108	70-130			
1,3,5-Trimethylbenzene	55.4	2.00	"	50.0		111	70-130			
Benzene	43.6	1.00	"	50.0		87.1	70-130			
Ethylbenzene	44.7	1.00	"	50.0		89.4	70-130			
m,p-Xylene	96.7	2.00	"	100		96.7	70-130			
Naphthalene	43.4	2.00	"	50.0		86.9	70-130			
o-Xylene	42.4	1.00	"	50.0		84.8	70-130			
Toluene	47.3	1.00	"	50.0		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.7	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.9	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 - Becca #D 3-11

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 B2J2724 - EPA 5030B (Water)

Matrix Spike (B2J2724-MS1)	Source: Y210611-01			Prepared: 10/27/2022 Analyzed: 10/27/2022						
1,2,4-Trimethylbenzene	28.1	2.00	ug/L	50.0	ND	56.1	70-130			QM-07
1,3,5-Trimethylbenzene	27.9	2.00	"	50.0	ND	55.8	70-130			QM-07
Benzene	21.9	1.00	"	50.0	ND	43.8	70-130			QM-07
Ethylbenzene	20.6	1.00	"	50.0	ND	41.2	70-130			QM-07
m,p-Xylene	45.6	2.00	"	100	ND	45.6	70-130			QM-07
Naphthalene	23.7	2.00	"	50.0	ND	47.4	70-130			QM-07
o-Xylene	22.3	1.00	"	50.0	ND	44.6	70-130			QM-07
Toluene	22.9	1.00	"	50.0	ND	45.7	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.8	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 - Becca #D 3-11

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 B2J2724 - EPA 5030B (Water)

Matrix Spike Dup (B2J2724-MSD1)	Source: Y210611-01			Prepared: 10/27/2022 Analyzed: 10/27/2022						
1,2,4-Trimethylbenzene	47.9	2.00	ug/L	50.0	ND	95.8	70-130	52.2	20	QR-DUP
1,3,5-Trimethylbenzene	46.6	2.00	"	50.0	ND	93.2	70-130	50.2	20	QR-DUP
Benzene	39.4	1.00	"	50.0	ND	78.7	70-130	56.9	20	QR-DUP
Ethylbenzene	36.0	1.00	"	50.0	ND	71.9	70-130	54.4	20	QR-DUP
m,p-Xylene	81.8	2.00	"	100	ND	81.8	70-130	56.7	20	QR-DUP
Naphthalene	50.4	2.00	"	50.0	ND	101	70-130	72.0	20	QR-DUP
o-Xylene	41.5	1.00	"	50.0	ND	83.0	70-130	60.3	20	QR-DUP
Toluene	35.7	1.00	"	50.0	ND	71.4	70-130	43.8	20	QR-DUP
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	56		"	62.5		89.7	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.6	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 - Becca #D 3-11

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 B2J2720 - NO PREP

Blank (B2J2720-BLK1)

Prepared: 10/27/2022 Analyzed: 10/31/2022

Total Dissolved Solids ND 5.00 mg/L

LCS (B2J2720-BS1)

Prepared: 10/27/2022 Analyzed: 10/31/2022

Total Dissolved Solids 1030 5.00 mg/L 1020 101 90-110

Duplicate (B2J2720-DUP1)

Source: Y210611-07

Prepared: 10/27/2022 Analyzed: 10/31/2022

Total Dissolved Solids 1410 5.00 mg/L 1370 2.73 10

Batch B2K0425 - Filter .45um non acidified

Blank (B2K0425-BLK1)

Prepared: 11/04/2022 Analyzed: 11/07/2022

Chloride ND 0.250 mg/L U

Sulfate ND 0.250 " U

LCS (B2K0425-BS1)

Prepared: 11/04/2022 Analyzed: 11/07/2022

Chloride 3.80 0.250 mg/L 4.00 94.9 90-110

Sulfate 3.98 0.250 " 4.00 99.6 90-110

Matrix Spike (B2K0425-MS1)

Source: Y210611-05

Prepared: 11/04/2022 Analyzed: 11/07/2022

Chloride 1570 mg/L 500 1080 97.8 90-110

Sulfate 2070 " 500 1700 72.8 90-110 QM-07

Matrix Spike Dup (B2K0425-MSD1)

Source: Y210611-05

Prepared: 11/04/2022 Analyzed: 11/07/2022

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 - Becca #D 3-11

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 B2K0425 - Filter .45um non acidified

Matrix Spike Dup (B2K0425-MSD1)	Source: Y210611-05	Prepared: 11/04/2022	Analyzed: 11/07/2022							
Chloride	1520	mg/L	500	1080	86.5	90-110	3.67	5	QM-07	
Sulfate	2000	"	500	1700	59.6	90-110	3.26	5	QM-07	

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Becca #D 3-11

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 L645892 - 3510C										
LCSD (LCSD-L645892)					Prepared: 10/28/2022 Analyzed: 10/28/2022					
1-Methylnaphthalene	2.09	0.02	µg/L	5	41.8	34-108	9.5	20		
Surrogate: 2-Fluorobiphenyl	49.8		"	10	49.8	38-107				
Surrogate: 4-Terphenyl-d14	53.3		"	10	53.3	33-122				
Surrogate: Nitrobenzene-d5	41.1		"	10	41.1	29-110				
LCS (LCS-L645892)					Prepared: 10/28/2022 Analyzed: 10/28/2022					
1-Methylnaphthalene	2.3	0.02	µg/L	5	46	34-108				
Surrogate: 2-Fluorobiphenyl	46.7		"	10	46.7	38-107				
Surrogate: 4-Terphenyl-d14	67.3		"	10	67.3	33-122				
Surrogate: Nitrobenzene-d5	47.6		"	10	47.6	29-110				
LRB (LRB-L645892)					Prepared: 10/28/2022 Analyzed: 10/28/2022					
1-Methylnaphthalene	ND	0.02	µg/L			-				
Surrogate: 2-Fluorobiphenyl	49.9		"	10	49.9	38-107				
Surrogate: 4-Terphenyl-d14	51.7		"	10	51.7	33-122				
Surrogate: Nitrobenzene-d5	47.7		"	10	47.7	29-110				

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Becca #D 3-11

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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 at a wet weight basis.

Origins Laboratory, Inc.



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