

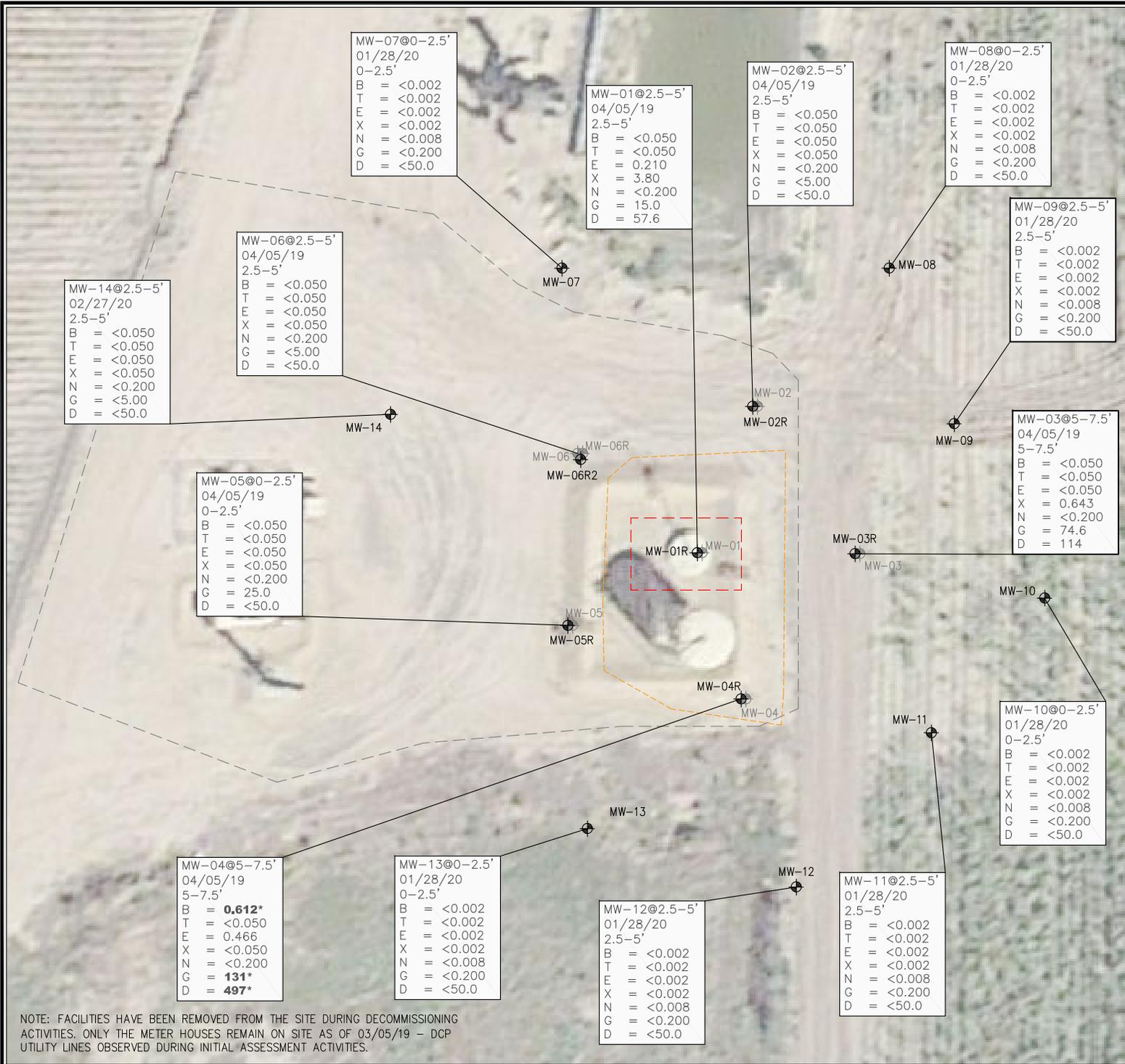


## **FIGURES**

**Figure 1: Monitoring Well Soil Analytical Map**

**Figure 2: Groundwater Analytical Map (02/12/20 & 03/04/20)**

**Figure 3: Groundwater Elevation Map (02/12/20)**



NOTE: FACILITIES HAVE BEEN REMOVED FROM THE SITE DURING DECOMMISSIONING ACTIVITIES. ONLY THE METER HOUSES REMAIN ON SITE AS OF 03/05/19 – DCP UTILITY LINES OBSERVED DURING INITIAL ASSESSMENT ACTIVITIES.

**LEGEND**

- APPROXIMATE TANK BATTERY BOUNDARY
- - - INITIAL EXCAVATION BOUNDARIES
- - - APPROXIMATE EXCAVATION BOUNDARIES
- ⊕ APPROXIMATE MONITORING WELL LOCATIONS
- ⊕ DESTROYED (DES) MONITORING WELL LOCATIONS

**PARAMETERS**

SOIL SAMPLE LOCATION  
DATE  
DEPTH (FEET)  
B = BENZENE (mg/kg)  
T = TOLUENE (mg/kg)  
E = ETHYLBENZENE (mg/kg)  
X = TOTAL XYLENES (mg/kg)  
N = NAPHTHALENE (mg/kg)  
G = TPH-GRO (mg/kg)  
D = TPH-DRO (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

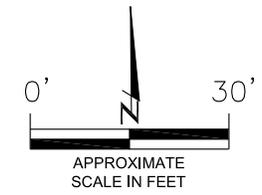
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS – GASOLINE RANGE ORGANICS  
TPH-DRO = TOTAL PETROLEUM HYDROCARBONS – DIESEL RANGE ORGANICS

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

VALUES PRESENTED IN **BOLD** TYPEFACE CONTAIN CONCENTRATIONS EXCEEDING COGCC REGULATORY LIMITS FOR THAT COMPOUND

COGCC – COLORADO OIL AND GAS CONSERVATION COMMISSION

\*IMPACTS OBSERVED IN MONITORING WELL MW-04 WERE REMOVED DURING SOURCE EXCAVATION ACTIVITIES.



MONITORING WELL SOIL ANALYTICAL MAP  
AGRICULTURAL PRODUCTS FEDERAL #32-17  
HISTORICAL RELEASE  
40.2695761 / -104.797120  
SW1/4 NE1/4 SEC.32 T4N R66W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 12471

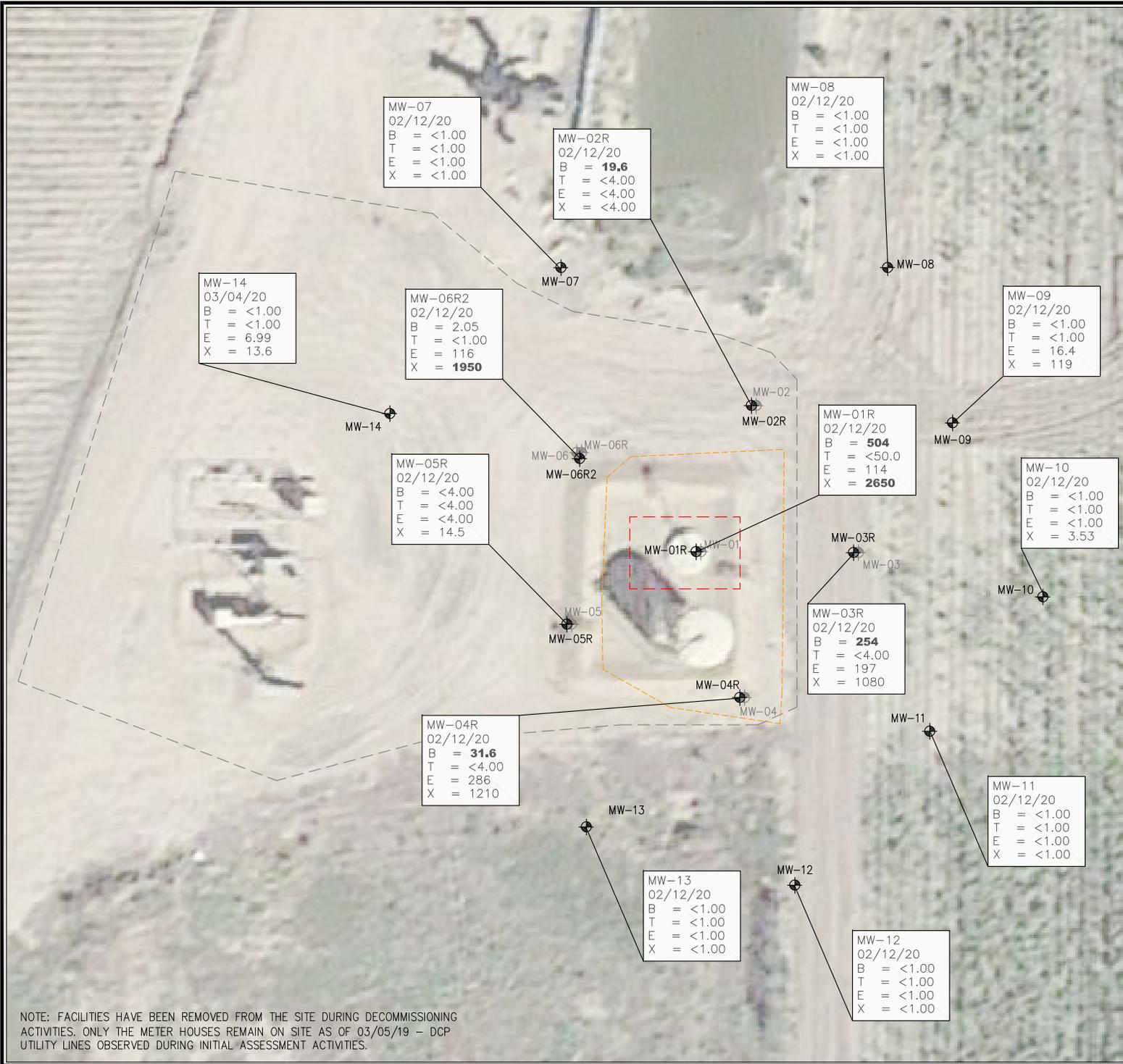
DATE:  
03/12/20

DRAWN BY:  
GEC

FIG.  
NO. 1



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



NOTE: FACILITIES HAVE BEEN REMOVED FROM THE SITE DURING DECOMMISSIONING ACTIVITIES. ONLY THE METER HOUSES REMAIN ON SITE AS OF 03/05/19 – DCP UTILITY LINES OBSERVED DURING INITIAL ASSESSMENT ACTIVITIES.

**LEGEND**

- APPROXIMATE TANK BATTERY BOUNDARY
- - - INITIAL EXCAVATION BOUNDARIES
- - - APPROXIMATE EXCAVATION BOUNDARIES
- ⊕ APPROXIMATE MONITORING WELL LOCATIONS
- ⊕ DESTROYED (DES) MONITORING WELL LOCATIONS

**PARAMETERS**

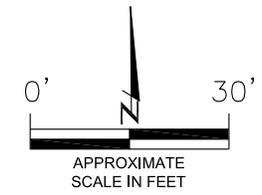
SAMPLE LOCATION
DATE
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)

µg/L = MICROGRAMS PER LITER

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) DID NOT CONTAIN CONCENTRATIONS AT OR ABOVE LABORATORY REPORTING LIMITS

VALUES PRESENTED IN **BOLD** TYPEFACE CONTAIN CONCENTRATIONS EXCEEDING COGCC TABLE 910-1 REGULATORY LIMITS FOR THAT COMPOUND

COGCC – COLORADO OIL AND GAS CONSERVATION COMMISSION



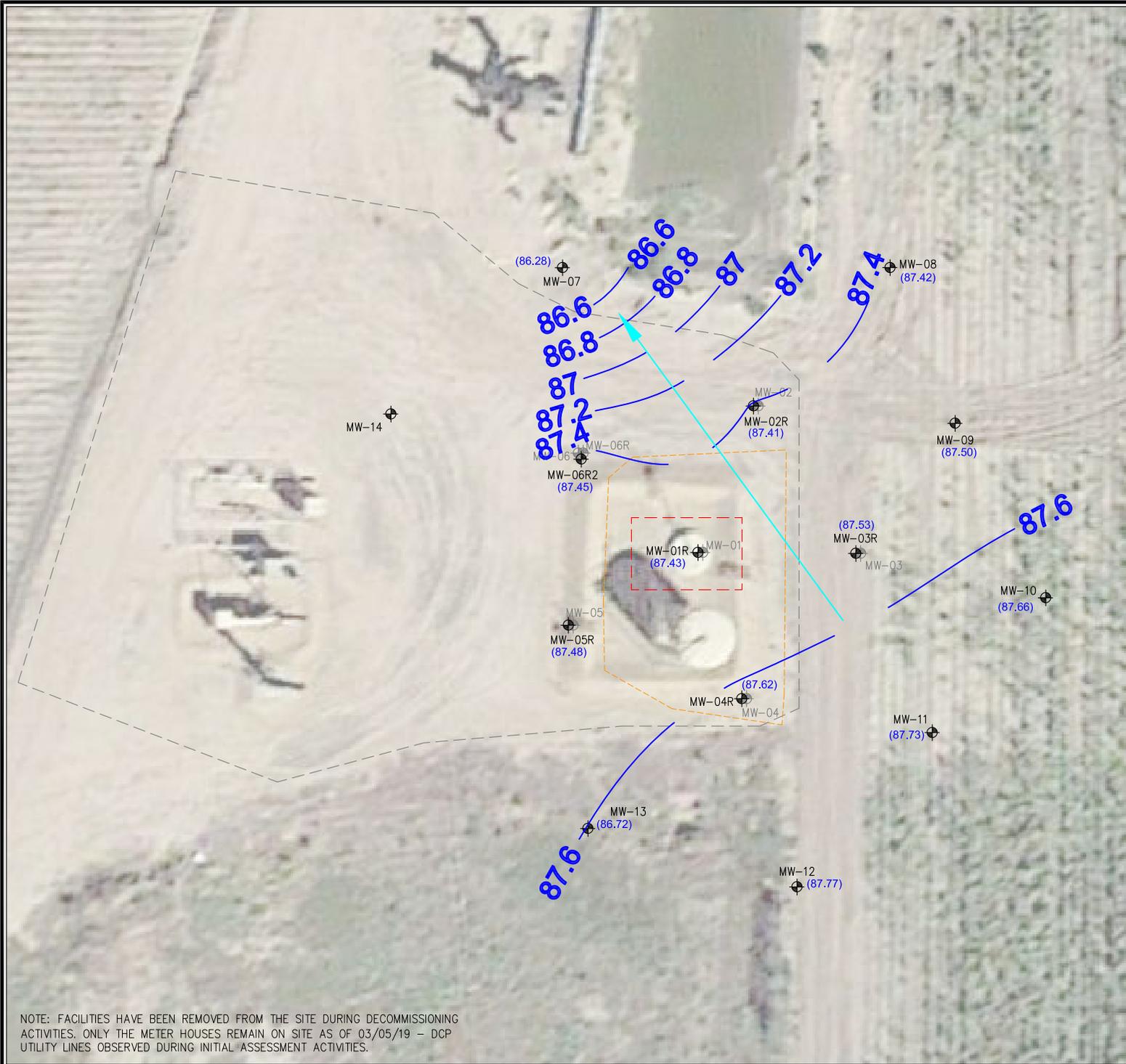
**GROUNDWATER ANALYTICAL MAP**  
 (02/12/20 & 03/04/20)  
 AGRICULTURAL PRODUCTS FEDERAL #32-17  
 HISTORICAL RELEASE  
 40.2695761 / -104.797120  
 SW1/4 NE1/4 SEC.32 T4N R66W 6PM  
 WELD COUNTY, COLORADO  
 REMEDIATION # 12471

DATE:  
03/12/20

DRAWN BY:  
GEC

FIG.  
NO. 2

**EAGLE ENVIRONMENTAL CONSULTING, INC.**  
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NOTE: FACILITIES HAVE BEEN REMOVED FROM THE SITE DURING DECOMMISSIONING ACTIVITIES. ONLY THE METER HOUSES REMAIN ON SITE AS OF 03/05/19 - DCP UTILITY LINES OBSERVED DURING INITIAL ASSESSMENT ACTIVITIES.

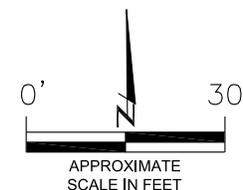
**LEGEND**

- APPROXIMATE TANK BATTERY BOUNDARY
- - - INITIAL EXCAVATION BOUNDARIES
- - - APPROXIMATE EXCAVATION BOUNDARIES
- ◆ APPROXIMATE MONITORING WELL LOCATIONS
- ◆ DESTROYED (DES) MONITORING WELL LOCATIONS
- (87.31) RELATIVE GROUNDWATER ELEVATION (FT.)
- - - INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)
- ↗ APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET

NOTE:  
GROUNDWATER ELEVATION DATA WAS COLLECTED FROM MONITORING WELLS MW-01R THROUGH MW-13 ON 02/12/20. MONITORING WELL MW-14 WAS INSTALLED 02/27/20.

GROUNDWATER ELEVATION DATA COLLECTED FROM MONITORING WELL MW-13 WAS NOT USED IN THE CONSTRUCTION OF INFERRED GROUNDWATER ELEVATION CONTOURS.



**GROUNDWATER ELEVATION MAP  
(02/12/20)**

AGRICULTURAL PRODUCTS FEDERAL #32-17  
HISTORICAL RELEASE  
40.269576 / -104.797120  
SW1/4 NE1/4 SEC.32 T4N R66W 6PM  
WELD COUNTY, COLORADO  
REMIEDIATION # 12471

DATE:  
03/12/20  
DRAWN BY:  
GEC  
FIG.  
NO. 3



**EAGLE**  
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## **TABLES**

**Table 1: Soil Analytical Results Summary**

**Table 2: Groundwater Analytical Results Summary**

**Table 3: Groundwater Elevation Summary**

**TABLE 1**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**AGRICULTURAL PRODUCTS FEDERAL #32-17**  
**HISTORICAL RELEASE**  
**40.269576 / -104.797120**  
**SW¼ NE¼ SEC.32 T4N R66W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDIAION # 12471**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
<b>COGCC Table 910-1 Regulatory Limits (mg/kg)</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>23</b>	<b>500</b>		<b>&lt;4</b>	<b>6 to 9</b>	<b>&lt;12</b>
SS-01 @ 3' (40.269606 / -104.797120)	02/21/19	3	<0.002	<0.002	<0.002	<0.002	<0.008	0.310	<50.0	NA	NA	NA
SS-02 @ 3' (40.269562 / -104.797120)	02/21/19	3	<0.002	<0.002	<0.002	<0.002	<0.008	1.59	263	0.183	8.94	9.55
SS-03 @ 3' (40.269583 / -104.797091)	02/21/19	3	<0.002	<0.002	<0.002	<0.002	<0.008	0.276	56.0	NA	NA	NA
SS-04 @ 3' (40.269583 / -104.797147)	02/21/19	3	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
SS-05 @ 6' (40.269576 / -104.797125)	02/21/19	6	<0.050	<0.050	0.098	<0.050	<0.200	133	270	NA	NA	NA
PH-02 @ 12' (40.269576 / -104.797125)	02/21/19	12	<b>1.30</b>	<0.050	1.20	16.0	<0.200	<b>584</b>	<50.0	NA	NA	NA
MW-01 @ 2.5-5' (40.269582 / -104.797111)	04/05/19	2.5-5	<0.050	<0.050	0.210	3.80	<0.200	15.0	57.6	NA	NA	NA
MW-02 @ 2.5-5' (40.269667 / -104.797065)	04/05/19	2.5-5	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
MW-03 @ 5-7.5' (40.269580 / -104.796995)	04/05/19	5-7.5	<0.050	<0.050	<0.050	0.643	<0.200	74.6	114	NA	NA	NA
MW-04 @ 5-7.5' (40.269496 / -104.797073)	04/05/19	5-7.5	<b>0.612</b>	<0.050	0.466	<0.050	<0.200	<b>131</b>	<b>497</b>	NA	NA	NA
MW-05 @ 0-2.5' (40.269534 / -104.797222)	04/05/19	0-2.5	<0.050	<0.050	<0.050	<0.050	<0.200	25.0	<50.0	NA	NA	NA
MW-06 @ 2.5-5' (40.269640 / -104.797210)	04/05/19	2.5-5	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
MW-07 @ 0-2.5' (40.267725 / -104.797232)	01/28/20	0-2.5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
MW-08 @ 0-2.5' (40.269726 / -104.796981)	01/28/20	0-2.5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
MW-09 @ 2.5-5' (40.269643 / -104.796927)	01/28/20	2.5-5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
MW-10 @ 0-2.5' (40.269535 / -104.796859)	01/28/20	0-2.5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
MW-11 @ 2.5-5' (40.269466 / -104.796932)	01/28/20	2.5-5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
MW-12 @ 2.5-5' (40.269383 / -104.797047)	01/28/20	2.5-5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
MW-13 @ 0-2.5' (40.269415 / -104.797204)	01/28/20	0-2.5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
MW-14 @ 2.5-5' (40.269640 / -104.797361)	02/27/20	2.5-5	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**AGRICULTURAL PRODUCTS FEDERAL #32-17**  
**HISTORICAL RELEASE**  
**40.269576 / -104.797120**  
**SW¼ NE¼ SEC.32 T4N R66W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDIAION # 12471**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
<b>COGCC Table 910-1 Regulatory Limits (mg/kg)</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>23</b>	<b>500</b>		<b>&lt;4</b>	<b>6 to 9</b>	<b>&lt;12</b>
EXC-PH-01 @ 5' (40.269494 / -104.797068)	06/20/19	5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	58.9	NA	NA	NA
EXC-PH-01 @ 7' (40.269494 / -104.797068)	06/20/19	7	0.119	<0.050	0.132	<0.050	<0.200	31.3	334	NA	NA	NA
EXC-PH-02 @ 5' (40.269647 / -104.797066)	06/20/19	5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
EXC-PH-02 @ 7' (40.269647 / -104.797066)	06/20/19	7	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
EXC-PH-03 @ 5' (40.269625 / -104.797188)	06/20/19	5	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
EXC-PH-03 @ 7' (40.269625 / -104.797188)	06/20/19	7	<0.002	<0.002	<0.002	<0.002	<0.008	<0.200	<50.0	NA	NA	NA
EXC-PH-04 @ 5' (40.269540 / -104.797201)	06/20/19	5	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-PH-04 @ 7' (40.269540 / -104.797201)	06/20/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-PH-05 @ 7' (40.269581 / -104.797105)	06/20/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	5.67	73.9	NA	NA	NA
EXC-SS-01 @ 7' (40.269512 / -104.797056)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-SS-02 @ 7' (40.269613 / -104.797060)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-SS-03 @ 7' (40.269482 / -104.797085)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-SS-04 @ 7' (40.269502 / -104.797181)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-SS-05 @ 7' (40.269545 / -104.797205)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-SS-06 @ 7' (40.269612 / -104.797199)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**AGRICULTURAL PRODUCTS FEDERAL #32-17**  
**HISTORICAL RELEASE**  
**40.269576 / -104.797120**  
**SW¼ NE¼ SEC.32 T4N R66W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDATION # 12471**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
<b>COGCC Table 910-1 Regulatory Limits (mg/kg)</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>23</b>	<b>500</b>		<b>&lt;4</b>	<b>6 to 9</b>	<b>&lt;12</b>
EXC-SS-07 @ 7' (40.269647 / -104.797156)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA
EXC-SS-08 @ 7' (40.269643 / -104.797098)	06/24/19	7	<0.050	<0.050	<0.050	<0.050	<0.200	<5.00	<50.0	NA	NA	NA

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

mmhos/cm = millimhos per centimeter

NA = Not Analyzed

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

SAR = Sodium Adsorption Ratio

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 910-1 Regulatory Limits

**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS SUMMARY**  
**AGRICULTURAL PRODUCTS FEDERAL #32-17**  
**HISTORICAL RELEASE**  
**40.269576 / -104.797120**  
**SW¼ NE¼ SEC.32 T4N R66W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDATION # 12471**

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>COGCC Table 910-1 Regulatory Limits (µg/L)</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>
GW-01 (40.269576 / -104.797125)	02/21/19	<b>8250</b>	<4.00	<b>898</b>	<b>8890</b>
MW-01 (40.269582 / -104.797111)	04/09/19	<b>255</b>	<1.00	99.3	1390
	06/24/19	DES			
MW-01R (40.269582 / -104.797111)	11/13/19	<b>1340</b>	<4.00	564	319
	02/12/20	<b>504</b>	<50.0	114	<b>2650</b>
MW-02 (40.269667 / -104.797065)	04/09/19	<b>475</b>	<1.00	116	482
	06/24/19	DES			
MW-02R (40.269667 / -104.797065)	11/13/19	<b>46.8</b>	<4.00	4.60	24.8
	02/12/20	<b>19.6</b>	<4.00	<4.00	<4.00
MW-03 (40.269580 / -104.796995)	04/09/19	<b>438</b>	<1.00	175	<b>2740</b>
	06/24/19	DES			
MW-03R (40.269580 / -104.796995)	11/13/19	<b>19.0</b>	<4.00	<4.00	627
	02/12/20	<b>254</b>	<4.00	197	1080
MW-04 (40.269496 / -104.797073)	04/09/19	<b>1990</b>	<1.00	480	<b>2720</b>
	06/24/19	DES			
MW-04R (40.269496 / -104.797073)	11/13/19	<b>22.2</b>	<4.00	<4.00	961
	02/12/20	<b>31.6</b>	<4.00	286	1210
MW-05 (40.269534 / -104.797222)	04/09/19	<4.00	<4.00	76.6	583
	06/24/19	DES			
MW-05R (40.269534 / -104.797222)	11/13/19	<4.00	<4.00	<4.00	381
	02/12/20	<4.00	<4.00	<4.00	14.5
MW-06 (40.269640 / -104.797210)	04/09/19	<1.00	<1.00	69.9	<b>1650</b>
	06/24/19	DES			
MW-06R (40.269640 / -104.797210)	11/13/19	DES			
MW-06R2 (40.269640 / -104.797210)	02/12/20	2.05	<1.00	116	<b>1950</b>
MW-07 (40.267725 / -104.797232)	02/12/20	<1.00	<1.00	<1.00	<1.00
MW-08 (40.269726 / -104.796981)	02/12/20	<1.00	<1.00	<1.00	<1.00



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS SUMMARY**  
**AGRICULTURAL PRODUCTS FEDERAL #32-17**  
**HISTORICAL RELEASE**  
**40.269576 / -104.797120**  
**SW¼ NE¼ SEC.32 T4N R66W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDATION # 12471**

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>COGCC Table 910-1 Regulatory Limits (µg/L)</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>
MW-09 (40.269643 / -104.796927)	02/12/20	<1.00	<1.00	16.4	119
MW-10 (40.269535 / -104.796859)	02/12/20	<1.00	<1.00	<1.00	3.53
MW-11 (40.269466 / -104.796932)	02/12/20	<1.00	<1.00	<1.00	<1.00
MW-12 (40.269383 / -104.797047)	02/12/20	<1.00	<1.00	<1.00	<1.00
MW-13 (40.269415 / -104.797204)	02/12/20	<1.00	<1.00	<1.00	<1.00
MW-14 (40.269640 / -104.797361)	03/04/20	<1.00	<1.00	6.99	13.6
COGCC = Colorado Oil and Gas Conservation Commission µg/L - micrograms per liter Note: Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit. Values presented in <b>bold</b> typeface exceed their respective COGCC - Regulatory Limits (Table 910-1). DES - Destroyed					



**TABLE 3  
GROUNDWATER ELEVATION SUMMARY  
AGRICULTURAL PRODUCTS FEDERAL #32-17  
HISTORICAL RELEASE  
40.269576 / -104.797120  
SW¼ NE¼ SEC.32 T4N R66W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 12471**

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet) (TOC)	Depth to Groundwater (feet)(bgs)	Stick Up Height (feet)
MW-01 (40.269582 / -104.797111)	04/09/19	99.54	11.28	88.26	8.79	2.49
	06/24/19	DES				
MW-01R (40.269582 / -104.797111)	11/13/19	99.88	10.73	89.15	7.52	3.21
	02/12/20		12.45	87.43	9.24	
MW-02 (40.269667 / -104.797065)	04/09/19	99.72	11.60	88.12	8.90	2.70
	06/24/19	DES				
MW-02R (40.269667 / -104.797065)	11/13/19	99.71	10.64	89.07	7.39	3.25
	02/12/20		12.30	87.41	9.05	
MW-03 (40.269580 / -104.796995)	04/09/19	98.90	10.61	88.29	8.55	2.06
	06/24/19	DES				
MW-03R (40.269580 / -104.796995)	11/13/19	99.42	10.24	89.18	7.01	3.23
	02/12/20		11.89	87.53	8.66	
MW-04 (40.269496 / -104.797073)	04/09/19	100.00	11.53	88.47	8.90	2.63
	06/24/19	DES				
MW-04R (40.269496 / -104.797073)	11/13/19	99.58	10.29	89.29	7.18	3.11
	02/12/20		11.96	87.62	8.85	
MW-05 (40.269534 / -104.797222)	04/09/19	99.67	11.41	88.26	8.89	2.52
	06/24/19	DES				
MW-05R (40.269534 / -104.797222)	11/13/19	100.00	10.82	89.18	7.57	3.25
	02/12/20		12.52	87.48	9.27	
MW-06 (40.269640 / -104.797210)	04/09/19	99.57	11.44	88.13	8.95	2.49
	06/24/19	DES				
MW-06R (40.269640 / -104.797210)	11/13/19	99.95	DES			
MW-06R2 (40.269640 / -104.797210)	02/12/20	96.60	9.15	87.45	9.15	NA
MW-07 (40.267725 / -104.797232)	02/12/20	95.84	9.56	86.28	9.56	NA
MW-08 (40.269726 / -104.796981)	02/12/20	95.61	8.19	87.42	8.19	NA
MW-09 (40.269643 / -104.796927)	02/12/20	95.82	8.32	87.50	8.32	NA
MW-10 (40.269535 / -104.796859)	02/12/20	95.64	7.98	87.66	7.98	NA
MW-11 (40.269466 / -104.796932)	02/12/20	95.54	7.81	87.73	7.81	NA

**TABLE 3  
GROUNDWATER ELEVATION SUMMARY  
AGRICULTURAL PRODUCTS FEDERAL #32-17  
HISTORICAL RELEASE  
40.269576 / -104.797120  
SW¼ NE¼ SEC.32 T4N R66W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 12471**

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet) (TOC)	Depth to Groundwater (feet)(bgs)	Stick Up Height (feet)
MW-12 (40.269383 / -104.797047)	02/12/20	96.09	8.32	87.77	8.32	NA
MW-13 (40.269415 / -104.797204)	02/12/20	95.07	8.35	86.72	8.35	NA
MW-14 (40.269640 / -104.797361)	03/04/20	96.60	9.79	86.81	9.79	NA
COGCC = Colorado Oil and Gas Conservation Commission bgs- below ground surface                      NA - not applicable TOC - Top of Casing DES - Destroyed						



## **ATTACHMENT A**

**Soil Boring Logs / Well Completion Diagrams  
New Wells: MW-06R2, and MW-07 through MW-14**

# Boring Log/Well Completion Diagram: MW-06R2

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	(0-7') clayey SAND - brown, dry to very moist, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	50	0.0	N/A		wet @ 8'	
5	(7-15') sandy CLAY - brown, very moist to wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand					0.0				N/A
10	@8-13' - weathered staining, slight HC odor	CL	DP	2	70	1.1	N/A			
15	@13' - N/O, N/S					32.5				
15	BoB @ 15'	CL	DP	3	80	220.9	N/A			
20						9.2				

DP - Direct push  
 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: 01/28/20	SAND PACK INTERVAL (FEET): 3-15
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17	BENTONITE/GROUT INTERVAL (FEET): 0.5-3
LOGGED BY: G. CONGDON	WELL SCREEN INTERVAL (FEET): 5-15
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): 1
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15
PID INSTRUMENT: MINIRAE 3000 - PID #13	<p><b>EAGLE</b>                  ENVIRONMENTAL                  CONSULTING, INC.                  8000 West 44th Ave., Wheat Ridge, CO 80033                  Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 0900/0913	
SAMPLE COLLECTION DEPTH (FEET)/TIME: N/A	

# Boring Log/Well Completion Diagram: MW-07

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	(0-7') clayey SAND - brown, dry to very moist, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	90	0.3	N/A	0		wet @ 8'
5	(7-15') sandy CLAY - brown, wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand, N/O, N/S					0.2				
10		0.5	DP	3	100	0.3	10			
15	BoB @ 15'	0.2				15		20	25	30

DP - Direct push  
 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: 01/28/20	SAND PACK INTERVAL (FEET): 3-15
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17	BENTONITE/GROUT INTERVAL (FEET): 0.5-3
LOGGED BY: G. CONGDON	WELL SCREEN INTERVAL (FEET): 5-15
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): 1
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15
PID INSTRUMENT: MINIRAE 3000 - PID #13	<p><b>EAGLE</b>          ENVIRONMENTAL          CONSULTING, INC.</p> <p>8000 West 44th Ave., Wheat Ridge, CO 80033          Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1113/1125	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2.5 / 1114	

# Boring Log/Well Completion Diagram: MW-08

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	(0-7') clayey SAND - brown, dry to very moist, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	70	0.9	N/A		wet @ 8'	
5						0.7				
5	(7-15') sandy CLAY - brown, wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand, N/O, N/S	CL	DP	2	80	0.3	N/A			
10						0.5				
10		CL	DP	3	80	0.4	N/A			
15						0.3				
15	BoB @ 15'									
20										
25										
30										

DP - Direct push  
 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: 01/28/20		SAND PACK INTERVAL (FEET): 3-15	
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17		BENTONITE/GROUT INTERVAL (FEET): 0.5-3	
LOGGED BY: G. CONGDON		WELL SCREEN INTERVAL (FEET): 5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 1	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	<p><b>EAGLE</b>                  ENVIRONMENTAL                  CONSULTING, INC.                  8000 West 44th Ave., Wheat Ridge, CO 80033                  Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1057/1110			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2.5 / 1058			

# Boring Log/Well Completion Diagram: MW-09

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	(0-7') clayey SAND - brown, dry to wet, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	60	18.7	N/A	0		
5						32.9				
7	(7-15') sandy CLAY - brown, wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand, N/O, N/S	CL	DP	2	80	31.0	N/A	7		wet @ 7'
10						41.4				
15	BoB @ 15'		DP	3	100	9.2	N/A	15		
15						0.5	N/A	15		
20								20		
25								25		
30								30		

DP - Direct push  
 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: 01/28/20		SAND PACK INTERVAL (FEET): 3-15	
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17		BENTONITE/GROUT INTERVAL (FEET): 0.5-3	
LOGGED BY: G. CONGDON		WELL SCREEN INTERVAL (FEET): 5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 1	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	<p><b>EAGLE</b>                  ENVIRONMENTAL                  CONSULTING, INC.                  8000 West 44th Ave., Wheat Ridge, CO 80033                  Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1038/1052			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 2.5-5 / 1040			

# Boring Log/Well Completion Diagram: MW-10

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	(0-7') clayey SAND - brown, dry to wet, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	90	4.1	N/A	0-5		wet @ 7'
5	(7-11') sandy CLAY - brown, wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand					1.8				
10	@10' - black staining, HC odor	104.0	SC	DP	3	80	10-15			
15	(11-15') clayey SAND - brown, dry to wet, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	311.1						5.2	15-30	
15	BoB @ 15'									

DP - Direct push  
 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: 01/28/20	SAND PACK INTERVAL (FEET): 3-15
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17	BENTONITE/GROUT INTERVAL (FEET): 0.5-3
LOGGED BY: G. CONGDON	WELL SCREEN INTERVAL (FEET): 5-15
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): 1
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15
PID INSTRUMENT: MINIRAE 3000 - PID #13	
TIME STARTED/COMPLETED: 1022/1034	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2.5 / 1023	



**EAGLE**  
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# Boring Log/Well Completion Diagram: MW-11

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	(0-7') clayey SAND - brown, dry to wet, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	90	0.0	N/A	0		
5						0.1				
7	(7-15') sandy CLAY - brown, wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand	CL	DP	2	80	0.1	N/A	7		wet @ 7'
10						50.7				
9	@9-10' - gray staining, slight HC odor	CL	DP	3	80	68.6	N/A	9		
10	@10' - N/O, N/S					9.2				
15	BoB @ 15'							15		
20								20		
25								25		
30								30		

DP - Direct push  
 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: 01/28/20		SAND PACK INTERVAL (FEET): 3-15	
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17		BENTONITE/GROUT INTERVAL (FEET): 0.5-3	
LOGGED BY: G. CONGDON		WELL SCREEN INTERVAL (FEET): 5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 1	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	<p><b>EAGLE</b>                  ENVIRONMENTAL                  CONSULTING, INC.                  8000 West 44th Ave., Wheat Ridge, CO 80033                  Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 1004/1019			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 2.5-5 / 1007			

# Boring Log/Well Completion Diagram: MW-12

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	(0-7') clayey SAND - brown, dry to very moist, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	80	0.2	N/A	0		wet @ 8'
5						0.3				
7	(7-15') sandy CLAY - brown, very moist to wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand, N/O, N/S	CL	DP	2	80	0.1	N/A	7		
10						0.0				
11		CL	DP	3	80	0.4	N/A	11		
15						0.0				
15	BoB @ 15'									

DP - Direct push  
 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: 01/28/20		SAND PACK INTERVAL (FEET): 3-15	
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17		BENTONITE/GROUT INTERVAL (FEET): 0.5-3	
LOGGED BY: G. CONGDON		WELL SCREEN INTERVAL (FEET): 5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 1	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	<p><b>EAGLE</b>                  ENVIRONMENTAL                  CONSULTING, INC.                  8000 West 44th Ave., Wheat Ridge, CO 80033                  Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 0944/0959			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 2.5-5 / 0948			

# Boring Log/Well Completion Diagram: MW-13

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	(0-7') clayey SAND - brown, dry to very moist, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	70	7.1	N/A	0		
5						0.0				
7	(7-15') sandy CLAY - brown, very moist to wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand, N/O, N/S	CL	DP	2	60	5.1	N/A	5		wet @ 8'
10						0.3				
13		CL	DP	3	80	13.1	N/A	10		
15						1.5				
15	BoB @ 15'									

DP - Direct push  
 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: 01/28/20		SAND PACK INTERVAL (FEET): 3-15	
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17		BENTONITE/GROUT INTERVAL (FEET): 0.5-3	
LOGGED BY: G. CONGDON		WELL SCREEN INTERVAL (FEET): 5-15	
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE		WELL DIAMETER (INCHES): 1	
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15	<p><b>EAGLE</b>                  ENVIRONMENTAL                  CONSULTING, INC.                  8000 West 44th Ave., Wheat Ridge, CO 80033                  Ph: 303-433-0479 • F: 303-325-5449</p>	
PID INSTRUMENT: MINIRAE 3000 - PID #13			
TIME STARTED/COMPLETED: 0924/0937			
SAMPLE COLLECTION DEPTH (FEET)/TIME: 0-2.5 / 0925			

# Boring Log/Well Completion Diagram: MW-14

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	(0-7') clayey SAND - brown, dry to wet, medium dense, fine to medium grained, well-graded with ~20% clay, N/O, N/S	SC	DP	1	50	5.5	N/A	0-5		wet @ 8'
5	(7-15') sandy CLAY - brown, wet, medium stiff, moderate plasticity, well-graded with ~20-30% fine grained sand					11.0				
10	@9.5-13' - slight odor, gray HC staining	CL	DP	2	70	9.1	N/A	10-15		
15	@13' - N/O, N/S					10.2				
15	BoB @ 15'					88.3	N/A	15-30		
20						15.5				

DP - Direct push  
 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: 02/27/20	SAND PACK INTERVAL (FEET): 3-15
PROJECT: AGRICULTURAL PRODUCTS FEDERAL #32-17	BENTONITE/GROUT INTERVAL (FEET): 0.5-3
LOGGED BY: K. PETERSON	WELL SCREEN INTERVAL (FEET): 5-15
DRILLING COMPANY/EQUIPMENT: EAGLE/GEOPROBE	WELL DIAMETER (INCHES): 1
BORING DEPTH (FEET): 15	WELL DEPTH (FEET): 15
PID INSTRUMENT: MINIRAE 3000 - PID #6	<p><b>EAGLE</b>                  ENVIRONMENTAL                  CONSULTING, INC.                  8000 West 44th Ave., Wheat Ridge, CO 80033                  Ph: 303-433-0479 • F: 303-325-5449</p>
TIME STARTED/COMPLETED: 1145 / 1200	
SAMPLE COLLECTION DEPTH (FEET)/TIME: 2.5-5 / 1151	



## **ATTACHMENT B**

### **Laboratory Analytical Reports**



February 03, 2020

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Agricultural Products  
Federal #32-17**

**Project Number - [none]**

Attached are your analytical results for Noble - Agricultural Products Federal #32-17 received by Origins Laboratory, Inc. January 28, 2020. This project is associated with Origins project number Y001422-01.

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 - Agricultural Products Federal #32-17

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-07@0-2.5'	Y001422-01	Soil	January 28, 2020 11:14	01/28/2020 14:55
MW-08@0-2.5'	Y001422-02	Soil	January 28, 2020 10:58	01/28/2020 14:55
MW-09@2.5-5'	Y001422-03	Soil	January 28, 2020 10:40	01/28/2020 14:55
MW-10@0-2.5'	Y001422-04	Soil	January 28, 2020 10:23	01/28/2020 14:55
MW-11@2.5-5'	Y001422-05	Soil	January 28, 2020 10:07	01/28/2020 14:55
MW-12@2.5-5'	Y001422-06	Soil	January 28, 2020 9:48	01/28/2020 14:55
MW-13@0-2.5'	Y001422-07	Soil	January 28, 2020 9:25	01/28/2020 14:55

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 - Agricultural Products Federal #32-17

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y001422

Client: Eagle

Client Project ID: Agricultural Products Fed

Checklist Completed by: JG

Shipped Via: HD

Date/time completed: 1/29/2020

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

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2.1 °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>			
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / ( pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 1/30/20

Origins Laboratory, Inc.

*Jefe Pellegrini*

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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 - Agricultural Products Federal #32-17

**MW-07@0-2.5'**

**1/28/2020 11:14:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y001422-01 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0A2903	TEM	01/29/2020	02/01/2020	U
<i>Surrogate: o-Terphenyl</i>	81.6 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B0A2902	KDK	01/29/2020	01/30/2020	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U
Naphthalene	ND	0.008	"	"	"	KDK	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	79.4 %	70-130			"	"	"	"	
<i>Surrogate: Toluene-d8</i>	91.6 %	70-130			"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.5 %	70-130			"	"	"	"	

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**MW-08@0-2.5'**

**1/28/2020 10:58:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y001422-02 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0A2903	TEM	01/29/2020	02/01/2020	U
Surrogate: <i>o</i> -Terphenyl	78.5 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B0A2902	KDK	01/29/2020	01/30/2020	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U
Naphthalene	ND	0.008	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	82.5 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	91.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %	70-130			"	"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

MW-09@2.5-5'

1/28/2020 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y001422-03 (Soil)

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0A2903	TEM	01/29/2020	02/01/2020	U
Surrogate: <i>o</i> -Terphenyl	78.6 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B0A2902	KDK	01/29/2020	01/30/2020	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U
Naphthalene	ND	0.008	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	82.1 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	91.8 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9 %	70-130			"	"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**MW-10@0-2.5'**

**1/28/2020 10:23:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y001422-04 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0A2903	TEM	01/29/2020	02/01/2020	U
<i>Surrogate: o-Terphenyl</i>	71.8 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B0A2902	KDK	01/29/2020	01/30/2020	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U
Naphthalene	ND	0.008	"	"	"	KDK	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	79.7 %	70-130			"	"	"	"	
<i>Surrogate: Toluene-d8</i>	88.8 %	70-130			"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	96.9 %	70-130			"	"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**MW-11@2.5-5'**

**1/28/2020 10:07:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y001422-05 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0A2903	TEM	01/29/2020	02/01/2020	U
<i>Surrogate: o-Terphenyl</i>	72.1 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B0A2902	KDK	01/29/2020	01/30/2020	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U
Naphthalene	ND	0.008	"	"	"	KDK	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	82.9 %	70-130			"	"	"	"	
<i>Surrogate: Toluene-d8</i>	90.1 %	70-130			"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.2 %	70-130			"	"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**MW-12@2.5-5'**  
**1/28/2020 9:48:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y001422-06 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0A2903	TEM	01/29/2020	02/01/2020	U
Surrogate: <i>o</i> -Terphenyl	81.5 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B0A2902	KDK	01/29/2020	01/30/2020	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U
Naphthalene	ND	0.008	"	"	"	KDK	"	"	U
Surrogate: 1,2-Dichloroethane-d4	80.8 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	89.5 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8 %	70-130			"	"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**MW-13@0-2.5'**  
**1/28/2020 9:25:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y001422-07 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0A2903	TEM	01/29/2020	02/01/2020	U
<i>Surrogate: o-Terphenyl</i>	69.2 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B0A2902	KDK	01/29/2020	01/30/2020	U
Benzene	ND	0.002	"	"	"	KDK	"	"	U
Toluene	ND	0.002	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.002	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.002	"	"	"	KDK	"	"	U
Naphthalene	ND	0.008	"	"	"	KDK	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	83.7 %	70-130			"	"	"	"	
<i>Surrogate: Toluene-d8</i>	89.5 %	70-130			"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.6 %	70-130			"	"	"	"	

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0A2902 - EPA 5030 (soil)

**Blank (B0A2902-BLK1)**

Prepared: 01/29/2020 Analyzed: 01/29/2020

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.097		"	0.125		77.3	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		89.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.5	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 - Agricultural Products Federal #32-17

**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 B0A2902 - EPA 5030 (soil)

**LCS (B0A2902-BS1)**

Prepared: 01/29/2020 Analyzed: 01/29/2020

Benzene	0.046	0.002	mg/kg	0.0500		92.5	70-130			
Toluene	0.041	0.002	"	0.0500		81.6	70-130			
Ethylbenzene	0.046	0.002	"	0.0500		91.6	70-130			
m,p-Xylene	0.094	0.004	"	0.100		93.8	70-130			
o-Xylene	0.043	0.002	"	0.0500		85.4	70-130			
Naphthalene	0.041	0.008	"	0.0500		81.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.10		"	0.125		79.7	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		85.5	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 - Agricultural Products Federal #32-17

**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 B0A2902 - EPA 5030 (soil)

Matrix Spike (B0A2902-MS1)	Source: Y001389-10			Prepared: 01/29/2020 Analyzed: 01/29/2020						
Benzene	0.045	0.002	mg/kg	0.0500	ND	90.8	70-130			
Toluene	0.040	0.002	"	0.0500	ND	80.1	70-130			
Ethylbenzene	0.042	0.002	"	0.0500	ND	84.0	70-130			
m,p-Xylene	0.088	0.004	"	0.100	0.001	87.1	70-130			
o-Xylene	0.041	0.002	"	0.0500	ND	82.6	70-130			
Naphthalene	0.046	0.008	"	0.0500	0.002	88.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.095		"	0.125		76.0	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		85.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0A2902 - EPA 5030 (soil)

Matrix Spike Dup (B0A2902-MSD1)	Source: Y001389-10			Prepared: 01/29/2020 Analyzed: 01/29/2020						
Benzene	0.047	0.002	mg/kg	0.0500	ND	93.6	70-130	2.99	20	
Toluene	0.042	0.002	"	0.0500	ND	83.8	70-130	4.49	20	
Ethylbenzene	0.045	0.002	"	0.0500	ND	89.2	70-130	6.00	20	
m,p-Xylene	0.092	0.004	"	0.100	0.001	91.2	70-130	4.64	20	
o-Xylene	0.043	0.002	"	0.0500	ND	86.1	70-130	4.08	20	
Naphthalene	0.044	0.008	"	0.0500	0.002	85.1	70-130	3.83	20	
Surrogate: 1,2-Dichloroethane-d4	0.095		"	0.125		75.9	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		86.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.2	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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
<b>Batch B0A2903 - EPA 3580</b>										
<b>Blank (B0A2903-BLK1)</b>										
					Prepared: 01/29/2020 Analyzed: 01/31/2020					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Surrogate: o-Terphenyl	18		"	25.0		71.2	50-150			

Origins Laboratory, Inc.



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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0A2903 - EPA 3580**

**LCS (B0A2903-BS1)**

Prepared: 01/29/2020 Analyzed: 01/31/2020

Diesel (C10-C28)	935	50.0	mg/kg	1000		93.5	70-130			
Surrogate: o-Terphenyl	49		"	50.0		97.6	50-150			

Origins Laboratory, Inc.



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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0A2903 - EPA 3580**

<b>Matrix Spike (B0A2903-MS1)</b>	<b>Source: Y001401-06</b>			Prepared: 01/29/2020 Analyzed: 01/31/2020						
Diesel (C10-C28)	754	50.0	mg/kg	1000	ND	75.4	70-130			
Surrogate: o-Terphenyl	42		"	50.0		84.5	50-150			

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0A2903 - EPA 3580

Matrix Spike Dup (B0A2903-MSD1)	Source: Y001401-06			Prepared: 01/29/2020 Analyzed: 01/31/2020						
Diesel (C10-C28)	768	50.0	mg/kg	1000	ND	76.8	70-130	1.82	35	
Surrogate: o-Terphenyl	35		"	50.0		70.2	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 - Agricultural Products Federal  
#32-17

### Notes and Definitions

U Sample is Non-Detect.

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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February 17, 2020

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Agricultural Products  
Federal #32-17**

**Project Number - [none]**

Attached are your analytical results for Noble - Agricultural Products Federal #32-17 received by Origins Laboratory, Inc. February 12, 2020. This project is associated with Origins project number Y002159-01.

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 - Agricultural Products Federal #32-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01R	Y002159-01	Water	February 12, 2020 14:33	02/12/2020 16:50
MW-02R	Y002159-02	Water	February 12, 2020 14:43	02/12/2020 16:50
MW-03R	Y002159-03	Water	February 12, 2020 14:51	02/12/2020 16:50
MW-04R	Y002159-04	Water	February 12, 2020 14:58	02/12/2020 16:50
MW-05R	Y002159-05	Water	February 12, 2020 15:06	02/12/2020 16:50
MW-06R2	Y002159-06	Water	February 12, 2020 15:15	02/12/2020 16:50
MW-07	Y002159-07	Water	February 12, 2020 13:50	02/12/2020 16:50
MW-08	Y002159-08	Water	February 12, 2020 13:59	02/12/2020 16:50
MW-09	Y002159-09	Water	February 12, 2020 14:09	02/12/2020 16:50
MW-10	Y002159-10	Water	February 12, 2020 14:23	02/12/2020 16:50
MW-11	Y002159-11	Water	February 12, 2020 14:26	02/12/2020 16:50
MW-12	Y002159-12	Water	February 12, 2020 14:40	02/12/2020 16:50
MW-13	Y002159-13	Water	February 12, 2020 14:54	02/12/2020 16:50

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 - Agricultural Products Federal #32-17

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Y0021591/2

**ORIGINS**  
LABORATORY, INC

Client: Eagle Environmental Consulting Project Manager: Martin Eckert III  
 Address: 8000 W 44th Ave Project Name: Agricultural Production Federal #32-17  
Wheat Ridge, CO 80033 Project Number: \_\_\_\_\_  
 Telephone Number: 303-433-0479 Samples Collected By: M. Eckert  
 Email Address: me3@eagle-enviro.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summ #	Other		
MW-01R	2/12/20	1435	3	X				X					1
MW-02R		1443	1									X BTEX	2
MW-03R		1451	1										3
MW-04R		1458	1										4
MW-05R		1500	1										5
MW-06R		1515	1										6
MW-07		1850	1										7
MW-08		1359	1										8
MW-09		1409	1										9
MW-10		1413	1										10
Relinquished By: <u>[Signature]</u>	Date: <u>2/12/20</u>	Time: <u>160</u>	Received By: <u>[Signature]</u>	Date: <u>2/12/20</u>	Time: <u>1650</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard							
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____								

Date Results Needed: N/A  
 Temp Received: 1.9  
 Date Results Needed: N/A

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 - Agricultural Products Federal #32-17

www.originslaboratory.com  
 page 2 of 2

**Y0021592**

Client: Eagle Environmental Consulting Project Manager: Martin Eckert III  
 Address: 8000 W. 44th Ave Project Name: Agricultural Products Federal #32-17  
Wheat Ridge, CO Project Number: \_\_\_\_\_  
 Telephone Number: (303) 433-0479 Samples Collected By: MM/GEC  
 Email Address: mc3@eagle-enviro.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Groundwater	Soil	At Summg #		
MW-11	2/12/20	1420	3	X			X			BTEX	1
MW-12		1440									2
MW-13		1454									3
											4
											5
											6
											7
											8
											9
											10

Reinquisitioned By: [Signature] Date: 2/12/20 Time: 150  
 Received By: [Signature] Date: 2/12/20 Time: 150  
 Turnaround Time: Same Day  24 Hr   
 48 Hr  72 Hr   
 Standard

Temp Received: 1.9 Date Results Needed: Noble  
 Bill to Jacob

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 - Agricultural Products Federal #32-17

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y002159

Client: Eagle  
 Client Project ID: Agricultural Production

Checklist Completed by: JE KDK  
 Date/time completed: 02/13/2020

Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A

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

Cooler Number/Temperature: 1/1.9 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 2/14/20

Origins Laboratory, Inc.

[Signature]

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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 - Agricultural Products Federal #32-17

**MW-01R**

**2/12/2020 2:33:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-01 (Water)**

**BTEX by EPA 8260D**

Benzene	504	50.0	ug/L	50	B0B1303	KDK	02/13/2020	02/13/2020	
Toluene	ND	50.0	"	"	"	KDK	"	"	U
Ethylbenzene	114	50.0	"	"	"	KDK	"	"	
Xylenes, total	2650	50.0	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.7 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.8 %	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 - Agricultural Products Federal #32-17

**MW-02R**

**2/12/2020 2:43:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-02 (Water)**

**BTEX by EPA 8260D**

Benzene	19.6	4.00	ug/L	4	B0B1303	KDK	02/13/2020	02/13/2020	
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	4.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	4.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.2 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	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 - Agricultural Products Federal #32-17

**MW-03R**

**2/12/2020 2:51:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-03 (Water)**

**BTEX by EPA 8260D**

Benzene	254	4.00	ug/L	4	B0B1303	KDK	02/13/2020	02/13/2020	
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	197	4.00	"	"	"	KDK	"	"	
Xylenes, total	1080	20.0	"	20	"	KDK	"	02/14/2020	

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"		02/13/2020	
Surrogate: Toluene-d8	99.1 %	70-130			"	"		"	
Surrogate: 4-Bromofluorobenzene	99.9 %	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 - Agricultural Products Federal #32-17

**MW-04R**

**2/12/2020 2:58:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-04 (Water)**

**BTEX by EPA 8260D**

Benzene	31.6	4.00	ug/L	4	B0B1303	KDK	02/13/2020	02/13/2020	
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	286	4.00	"	"	"	KDK	"	"	
Xylenes, total	1210	4.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6 %	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 - Agricultural Products Federal #32-17

**MW-05R**

**2/12/2020 3:06:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-05 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	4.00	ug/L	4	B0B1303	KDK	02/13/2020	02/13/2020	U
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	4.00	"	"	"	KDK	"	"	U
Xylenes, total	<b>14.5</b>	4.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.3 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.0 %	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 - Agricultural Products Federal #32-17

**MW-06R2**

**2/12/2020 3:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-06 (Water)**

**BTEX by EPA 8260D**

Benzene	2.05	1.00	ug/L	1	B0B1303	KDK	02/13/2020	02/13/2020	
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	116	1.00	"	"	"	ZZZ	"	02/14/2020	
Xylenes, total	1950	20.0	"	20	"	ZZZ	"	"	

Surrogate: 1,2-Dichloroethane-d4	91.6 %	70-130			"	"		"	
Surrogate: Toluene-d8	95.1 %	70-130			"	"		"	
Surrogate: 4-Bromofluorobenzene	111 %	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 - Agricultural Products Federal #32-17

**MW-07**  
**2/12/2020 1:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-07 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0B1303	ZZZ	02/13/2020	02/14/2020	U
Toluene	ND	1.00	"	"	"	ZZZ	"	"	U
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	U
Xylenes, total	ND	1.00	"	"	"	ZZZ	"	"	U

Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	93.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %	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 - Agricultural Products Federal #32-17

**MW-08**  
**2/12/2020 1:59:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-08 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0B1303	KDK	02/13/2020	02/13/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.7 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3 %	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 - Agricultural Products Federal #32-17

**MW-09**  
**2/12/2020 2:09:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-09 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0B1303	KDK	02/13/2020	02/13/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	<b>16.4</b>	1.00	"	"	"	KDK	"	"	
Xylenes, total	<b>119</b>	1.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6 %	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 - Agricultural Products Federal #32-17

**MW-10**  
**2/12/2020 2:23:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-10 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0B1303	KDK	02/13/2020	02/13/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	<b>3.53</b>	1.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	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 - Agricultural Products Federal #32-17

**MW-11**  
**2/12/2020 2:26:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-11 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0B1303	KDK	02/13/2020	02/13/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	99.8 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	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 - Agricultural Products Federal #32-17

**MW-12**  
**2/12/2020 2:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-12 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0B1303	KDK	02/13/2020	02/13/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	97.1 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %	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 - Agricultural Products Federal #32-17

**MW-13**  
**2/12/2020 2:54:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002159-13 (Water)**

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0B1303	KDK	02/13/2020	02/13/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	98.9 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	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 - Agricultural Products Federal #32-17

**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 B0B1303 - EPA 5030B (Water)**

**Blank (B0B1303-BLK1)**

Prepared: 02/13/2020 Analyzed: 02/13/2020

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5	109		70-130			
Surrogate: Toluene-d8	61		"	62.5	97.6		70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.1		70-130			

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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0B1303 - EPA 5030B (Water)**

**LCS (B0B1303-BS1)**

Prepared: 02/13/2020 Analyzed: 02/13/2020

Benzene	51.8	1.00	ug/L	50.0		104	70-130			
Toluene	53.4	1.00	"	50.0		107	70-130			
Ethylbenzene	54.2	1.00	"	50.0		108	70-130			
m,p-Xylene	111	2.00	"	100		111	70-130			
o-Xylene	53.3	1.00	"	50.0		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0B1303 - EPA 5030B (Water)**

<b>Matrix Spike (B0B1303-MS1)</b>	<b>Source: Y002167-21</b>			<b>Prepared: 02/13/2020 Analyzed: 02/13/2020</b>						
Benzene	102	1.00	ug/L	50.0	47.9	108	70-130			
Toluene	52.7	1.00	"	50.0	ND	105	70-130			
Ethylbenzene	102	1.00	"	50.0	43.7	117	70-130			
m,p-Xylene	252	2.00	"	100	128	124	70-130			
o-Xylene	52.7	1.00	"	50.0	0.820	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		105	70-130			
Surrogate: Toluene-d8	68		"	62.5		108	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0B1303 - EPA 5030B (Water)**

Matrix Spike Dup (B0B1303-MSD1)	Source: Y002167-21			Prepared: 02/13/2020 Analyzed: 02/13/2020						
Benzene	104	1.00	ug/L	50.0	47.9	113	70-130	2.30	20	
Toluene	54.9	1.00	"	50.0	ND	110	70-130	4.05	20	
Ethylbenzene	105	1.00	"	50.0	43.7	123	70-130	2.92	20	
m,p-Xylene	255	2.00	"	100	128	127	70-130	1.28	20	
o-Xylene	55.0	1.00	"	50.0	0.820	108	70-130	4.23	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	67		"	62.5		107	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	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 - Agricultural Products Federal  
#32-17

### Notes and Definitions

U Sample is Non-Detect.

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.



*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.*



March 04, 2020

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Agricultural Products  
Federal #32-17**

**Project Number - [none]**

Attached are your analytical results for Noble - Agricultural Products Federal #32-17 received by Origins Laboratory, Inc. February 27, 2020. This project is associated with Origins project number Y002411-01.

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 - Agricultural Products Federal  
#32-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-14@2.5-5'	Y002411-01	Soil	February 27, 2020 11:51	02/27/2020 15:36

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4002411

Client: Eagle

Client Project ID: Noble - Agricultural

Checklist Completed by: JP

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

Date/time completed: 2/27/20

Airbill #: NA

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_ (Describe)

Cooler Number/Temperature: 1 / 29 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C

Thermometer ID: TCB

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	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 <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			X	
Additional Comments (if any):				

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

Reviewed by (Signature) (Project Manager)

2-28-20  
 Date/Time Reviewed

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 - Agricultural Products Federal #32-17

**MW-14@2.5-5'**  
**2/27/2020 11:51:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y002411-01 (Soil)**

**Diesel Range Organics (DRO/TEPH) by EPA 8015D**

Diesel (C10-C28)	ND	50.0	mg/kg	1	B0B2803	KDK	02/28/2020	02/28/2020	U
<i>Surrogate: o-Terphenyl</i>	83.5 %	50-150			"	"	"	"	

**GBTEX + Naphthalene by EPA 8260D**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B0B2802	KDK	02/28/2020	03/02/2020	U
Benzene	ND	0.050	"	"	"	KDK	"	"	U
Toluene	ND	0.050	"	"	"	KDK	"	"	U
Ethylbenzene	ND	0.050	"	"	"	KDK	"	"	U
Xylenes, total	ND	0.050	"	"	"	KDK	"	"	U
Naphthalene	ND	0.200	"	"	"	KDK	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	109 %	70-130			"	"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.9 %	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 - Agricultural Products Federal #32-17

**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 B0B2802 - EPA 5030 (soil)**

**Blank (B0B2802-BLK1)**

Prepared: 02/28/2020 Analyzed: 02/28/2020

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Naphthalene	ND	0.008	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	106		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	101		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.1		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 - Agricultural Products Federal #32-17

**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 B0B2802 - EPA 5030 (soil)**

**LCS (B0B2802-BS1)**

Prepared: 02/28/2020 Analyzed: 02/28/2020

Benzene	0.091	0.002	mg/kg	0.100		91.4	70-130			
Toluene	0.092	0.002	"	0.100		92.0	70-130			
Ethylbenzene	0.089	0.002	"	0.100		89.0	70-130			
m,p-Xylene	0.180	0.004	"	0.200		89.8	70-130			
o-Xylene	0.093	0.002	"	0.100		93.4	70-130			
Naphthalene	0.087	0.008	"	0.100		86.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.5	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 - Agricultural Products Federal #32-17

**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 B0B2802 - EPA 5030 (soil)

Matrix Spike (B0B2802-MS1)	Source: Y002430-01			Prepared: 02/28/2020 Analyzed: 02/28/2020						
Benzene	0.097	0.002	mg/kg	0.100	ND	97.3	70-130			
Toluene	0.098	0.002	"	0.100	ND	97.9	70-130			
Ethylbenzene	0.096	0.002	"	0.100	ND	96.4	70-130			
m,p-Xylene	0.193	0.004	"	0.200	ND	96.7	70-130			
o-Xylene	0.097	0.002	"	0.100	ND	97.2	70-130			
Naphthalene	0.084	0.008	"	0.100	ND	84.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		87.0	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0B2802 - EPA 5030 (soil)

Matrix Spike Dup (B0B2802-MSD1)	Source: Y002430-01			Prepared: 02/28/2020 Analyzed: 02/28/2020						
Benzene	0.099	0.002	mg/kg	0.100	ND	99.0	70-130	1.73	20	
Toluene	0.089	0.002	"	0.100	ND	89.0	70-130	9.59	20	
Ethylbenzene	0.097	0.002	"	0.100	ND	96.8	70-130	0.435	20	
m,p-Xylene	0.193	0.004	"	0.200	ND	96.4	70-130	0.280	20	
o-Xylene	0.097	0.002	"	0.100	ND	97.2	70-130	0.0206	20	
Naphthalene	0.087	0.008	"	0.100	ND	87.4	70-130	3.66	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		96.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.8	70-130			

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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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
<b>Batch B0B2803 - EPA 3580</b>										
<b>Blank (B0B2803-BLK1)</b>					Prepared: 02/28/2020 Analyzed: 02/28/2020					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	40		"	50.0		80.8	50-150			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0B2803 - EPA 3580**

**LCS (B0B2803-BS1)**

Prepared: 02/28/2020 Analyzed: 02/28/2020

Diesel (C10-C28)	937	50.0	mg/kg	1000		93.7	70-130			
Surrogate: o-Terphenyl	57		"	50.0		114	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 - Agricultural Products Federal #32-17

**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 B0B2803 - EPA 3580**

<b>Matrix Spike (B0B2803-MS1)</b>	<b>Source: Y002430-01</b>			<b>Prepared: 02/28/2020 Analyzed: 02/28/2020</b>						
Diesel (C10-C28)	957	50.0	mg/kg	1000	ND	95.7	70-130			
Surrogate: o-Terphenyl	57		"	50.0		114	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 - Agricultural Products Federal #32-17

**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 B0B2803 - EPA 3580**

<b>Matrix Spike Dup (B0B2803-MSD1)</b>	<b>Source: Y002430-01</b>			<b>Prepared: 02/28/2020 Analyzed: 02/28/2020</b>						
Diesel (C10-C28)	972	50.0	mg/kg	1000	ND	97.2	70-130	1.60	35	
Surrogate: o-Terphenyl	55		"	50.0		111	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 - Agricultural Products Federal  
#32-17

### Notes and Definitions

U Sample is Non-Detect.

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.



*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.*



March 11, 2020

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Agricultural Products  
Federal #32-17**

**Project Number - [none]**

Attached are your analytical results for Noble - Agricultural Products Federal #32-17 received by Origins Laboratory, Inc. March 04, 2020. This project is associated with Origins project number Y003068-01.

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 - Agricultural Products Federal  
#32-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-14	Y003068-01	Water	March 4, 2020 11:40	03/04/2020 15:15

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



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

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

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

**Sample Receipt Checklist**

Origins Work Order: 4003068 Client: Eagle Env  
 Client Project ID: Noble - Agricultural  
 Checklist Completed by: JP Shipped Via: HD  
 Date/time completed: 3/4/20 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: NA  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_ (Describe)  
 Cooler Number/Temperature: 1 / 6.6 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C  
 Thermometer ID: T023

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		X		sampled same day
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 <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>		X		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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)	X			44
Additional Comments (if any):				

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

  
 Reviewed by (Project Manager)

03-06-20  
 Date/Time Reviewed

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 - Agricultural Products Federal #32-17

MW-14  
 3/4/2020 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y003068-01 (Water)

**BTEX by EPA 8260D**

Benzene	ND	1.00	ug/L	1	B0C0503	KDK	03/05/2020	03/06/2020	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	<b>6.99</b>	1.00	"	"	"	KDK	"	"	
Xylenes, total	<b>13.6</b>	1.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"		
Surrogate: Toluene-d8	94.6 %	70-130			"	"	"		
Surrogate: 4-Bromofluorobenzene	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 - Agricultural Products Federal #32-17

**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 B0C0503 - EPA 5030B (Water)

Blank (B0C0503-BLK1)

Prepared: 03/05/2020 Analyzed: 03/06/2020

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5	94.4		70-130			
Surrogate: Toluene-d8	59		"	62.5	95.1		70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5	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 - Agricultural Products Federal #32-17

**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 B0C0503 - EPA 5030B (Water)**

**LCS (B0C0503-BS1)**

Prepared: 03/05/2020 Analyzed: 03/06/2020

Benzene	56.5	1.00	ug/L	50.0		113	70-130			
Toluene	56.4	1.00	"	50.0		113	70-130			
Ethylbenzene	55.3	1.00	"	50.0		111	70-130			
m,p-Xylene	113	2.00	"	100		113	70-130			
o-Xylene	59.0	1.00	"	50.0		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.3	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 - Agricultural Products Federal #32-17

**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 B0C0503 - EPA 5030B (Water)**

<b>Matrix Spike (B0C0503-MS1)</b>	<b>Source: Y003067-01</b>			<b>Prepared: 03/05/2020 Analyzed: 03/06/2020</b>						
Benzene	56.3	1.00	ug/L	50.0	ND	113	70-130			
Toluene	55.0	1.00	"	50.0	0.100	110	70-130			
Ethylbenzene	55.8	1.00	"	50.0	0.080	111	70-130			
m,p-Xylene	114	2.00	"	100	0.230	114	70-130			
o-Xylene	58.4	1.00	"	50.0	0.080	117	70-130			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.8	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.5	70-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Agricultural Products Federal #32-17

**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 B0C0503 - EPA 5030B (Water)**

Matrix Spike Dup (B0C0503-MSD1)	Source: Y003067-01			Prepared: 03/05/2020 Analyzed: 03/06/2020						
Benzene	54.9	1.00	ug/L	50.0	ND	110	70-130	2.45	20	
Toluene	54.4	1.00	"	50.0	0.100	109	70-130	1.21	20	
Ethylbenzene	55.6	1.00	"	50.0	0.080	111	70-130	0.305	20	
m,p-Xylene	114	2.00	"	100	0.230	114	70-130	0.105	20	
o-Xylene	59.5	1.00	"	50.0	0.080	119	70-130	1.82	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.2	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	70-130			

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Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Agricultural Products Federal  
#32-17

### Notes and Definitions

U Sample is Non-Detect.

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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