



February 12, 2018

Mr. Jacob Evans  
Noble Energy, Inc.  
2115 117<sup>th</sup> Avenue  
Greeley, Colorado 80621

**Source Excavation Report – No Further Action Recommendation  
Feit E #23-97HZ  
Historical Release  
40.466849 / -104.621003  
NE¼ SE¼ SEC.23 T6N R65W 6PM  
Weld County, Colorado  
Remediation # 10821**

Dear Mr. Evans,

Eagle Environmental Consulting, Inc. (EAGLE) is pleased to present this Source Excavation Report – No Further Action Recommendation for the Feit E #23-97HZ location (site).

## **1.0 SITE BACKGROUND**

EAGLE was requested by Noble Energy, Inc. (Noble) to perform subsurface assessment activities at the site following decommissioning activities associated with the Feit E #23-97HZ tank battery. On December 11, 2017, EAGLE collected soil samples SS-01 through SS-16 following removal of the tank battery and surrounding soil.

The Feit E #23-97HZ site is located within the northeast quarter of the southeast quarter of Section 23, Township 6 north, Range 65 west, of the 6<sup>th</sup> Prime Meridian, in Weld County, Colorado. The tank battery associated with the Feit E #23-97HZ site was located at latitude: 40.466849 and longitude: -104.621003. A topographic site location map is presented as Figure 1. An aerial site location map is presented as Figure 2.

### **1.1 Site Hydrogeology**

The soil lithology observed beneath the release location consists of medium-stiff, sandy clay from the ground surface to approximately 16 feet below ground surface (bgs). Groundwater was observed during excavation activities at approximately 15.5 feet bgs.

## **2.0 INITIAL ASSESSMENT ACTIVITIES**

During reclamation activities at the Feit E #23-97HZ tank battery, historical petroleum hydrocarbon soil impacts were discovered. On December 11, 2017, EAGLE collected soil samples SS-01 through SS-16 to determine if adsorbed petroleum hydrocarbon impacts existed above Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 regulatory limits.

During soil sampling activities, a portion of each soil sample was placed in a sealable plastic bag for volatile organic compound (VOC) headspace analysis utilizing a field calibrated photoionization detector (PID). Another portion of the soil sample was placed in a 2-ounce glass jar and packed in an iced.

Based on location and PID analysis, soil samples (SS-01@11', SS-02@11', SS-03@10.5', SS-06@10.5', SS-07@10.5', SS-08@10.5, SS-10@14', SS-11@11', SS-12@11', SS-13@14.5', SS-14@2', SS-15@2', and SS-16@2') were submitted to Origins Laboratory, Inc. (Origins), located in Denver, Colorado, under standard chain of custody (COC) procedures for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, total petroleum hydrocarbons – gasoline range organics (TPH-GRO), and total petroleum hydrocarbons – diesel range organics (TPH-DRO) following modified Environmental Protection Agency (EPA) Methods 8260c and 8015.

Spatial location of each soil sample was recorded using a Trimble GeoXT 6000 series instrument. A site map presenting soil sample locations is presented in Figure 3.

## 2.1 Initial Assessment Soil Analytical Results

Based on soil analytical results:

- Soil sample SS-12@11' contained a concentration of benzene (0.252 milligrams per kilogram (mg/kg)) exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg.
- Soil samples SS-11@11', SS-12@11', SS-14@2', and SS-16@2' contained concentrations of total petroleum hydrocarbons (TPH) (2,909 mg/kg, 7,130 mg/kg, 1,569 mg/kg, and 953 mg/kg, respectively) exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg.
- Soil samples SS-01@11', SS-02@11', SS-03@10.5', SS-06@10.5', SS-07@10.5', SS-08@10.5, SS-10@14', SS-13@14.5', and SS-15@2' did not contain concentrations of BTEX, naphthalene, or TPH exceeding applicable COGCC Table 910-1 regulatory limits.

Soil analytical results are summarized in Table 1 and presented in Figure 4. The soil laboratory analytical report is included in Attachment A. Based on laboratory analytical results, additional source excavation activities were scheduled. The following narrative details source excavation activities completed at the site.

## 3.0 ADDITIONAL SOIL ASSESSMENT ACTIVITIES

On December 13, 2017, potholing, using a backhoe, was completed around the initial limits of the excavation. Soil samples from potholes PH-01 through PH-08 were collected at various depths outside of initial excavation extents to aid in characterizing extents of adsorbed petroleum hydrocarbon impacts.

Based on laboratory analytical results:

- Soil samples PH-04@6-8' and PH-06@10-12' contained benzene concentrations (0.371 mg/kg and 0.182 mg/kg, respectively) exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg.
- Soil samples PH-02@0-2', PH-03@0-2', PH-04@6-8', PH-05@8-10', and PH-06@10-12' contained concentrations of TPH (3,802.7 mg/kg, 806.1 mg/kg, 2,020 mg/kg, 1,247 mg/kg, and 4,880 mg/kg, respectively) exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg.

Proposed excavation extents were developed based on results of the potholed soil samples collected.

#### 4.0 SOIL EXCAVATION ACTIVITIES

From December 20, 2017 to January 15, 2018, EAGLE and Noble supervised excavation activities to remove adsorbed petroleum hydrocarbon impacts beneath and adjacent to the historical release location. Unlimited Construction (Unlimited) provided the necessary equipment and personnel to complete the excavation and treatment of petroleum hydrocarbon impacted soil.

Waste characterization/confirmation soil samples, SS-17 through SS-47, were collected at various locations within the excavation to determine the lateral and vertical extent of petroleum hydrocarbon impacts in the soil at the site. A site map presenting the limits of the excavation, as well as soil sample locations, is included as Figure 3.

A portion of each soil sample was placed in a sealable plastic bag, for VOC headspace analysis utilizing a field calibrated PID. Another portion of the soil sample was placed in a 2-ounce glass jar and packed in an iced cooler. Based on location and PID analysis, selected jarred soil samples were submitted to Origins and analyzed for BTEX, naphthalene, TPH-GRO, and TPH-DRO following modified EPA Methods 8260c and 8015. The soil samples were received within the required holding time for each laboratory analysis.

From December 20, 2017 to January 10, 2018, a total of 22 confirmation soil samples (SS-22@11', SS-24@14', SS-25@11', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', SS-32@11', SS-34@11', SS-35@11', SS-37@11', SS-39@11', SS-40@11', SS-41@11', SS-42@11', SS-43@12', SS-44@12', SS-45@11', SS-46@11', SS-47@11') were submitted for laboratory analysis. Spatial location of each soil sample was recorded using a Trimble GeoXT 6000 series instrument.

On January 2, 2018, groundwater was observed within the excavation at a depth of approximately 15.5 feet bgs. On January 3, 2018, Northern Plains Trucking (NPT) was called on site to remove groundwater from the excavation. Approximately 245 barrels of groundwater were removed from the excavation, transported and disposed of at NGL C4. Following removal, EAGLE collected grab groundwater sample GW-01. The sample was placed in an iced cooler and delivered to Origins under standard COC protocol for analysis of BTEX following modified EPA Method 8260c. The groundwater sample was received within the required holding time for the laboratory analysis.

An additional 240 barrels of groundwater were removed from the excavation by NPT on January 5, 2018. A total of 485 barrels of groundwater were removed from the site and disposed of at NGL C4.

On January 10, 2018, two additional grab groundwater samples, GW-02 and GW-03, were collected from the base of the excavation. Each sample was placed in an iced cooler and delivered to Origins under standard COC protocol for analysis of BTEX following modified EPA Method 8260c. A site map presenting the grab groundwater sample locations is included as Figure 5.

From January 3, 2018 through January 15, 2018, Unlimited completed ex-situ chemical oxidation treatment of excavated soil. A soil shredder was utilized to loosen the soil and apply a 11% hydrogen peroxide solution to treat adsorbed petroleum hydrocarbon impacts to levels below COGCC Table 910-1 regulatory limits. The treated soil was then stockpiled each day for sampling, prior to backfill. EAGLE collected one 20-point composite sample per 100 cubic yards of treated soil. A portion of each composite soil sample was placed in a sealable plastic bag for VOC headspace analysis utilizing a field calibrated PID. Another portion of the soil sample was placed in a 2-ounce glass jar and packed in an iced cooler for laboratory analysis.

A total of 40 composite soil samples (Composite #1 through Composite #40) were submitted to Origins, under standard chain of custody procedures, for analysis of BTEX, naphthalene, TPH-GRO, and TPH-

DRO following modified EPA Methods 8260c and 8015. The soil samples were received within the required holding time for each laboratory analysis. Treated soil exceeding applicable COGCC Table 910-1 regulatory limits was reprocessed, sampled, and submitted for laboratory analysis.

Following laboratory analysis of ex-situ chemical oxidation treated soil, the excavation was backfilled with the treated soil and compacted to grade. The final limits of the Feit E #23-97HZ excavation extended approximately 114 feet north to south, and 42 feet east to west. The excavation was advanced to a total depth of approximately 16 feet bgs. Approximately 300 cubic yards of soil were removed during initial assessment and source excavation activities, and transported offsite for disposal at North Weld Landfill, located in Ault, Colorado. Approximately 4,000 cubic yards of soil were treated with ex-situ chemical oxidation, prior to backfill.

#### **4.1 Excavation Laboratory Analytical Results**

##### **4.1.1 Soil Laboratory Analytical Results**

Based on soil laboratory analytical results:

- Confirmation soil samples, SS-22@11', SS-25@11', SS-32@11', SS-34@11', SS-35@11', SS-37@11', SS-39@11', SS-40@11', SS-41@11', SS-43@12', SS-44@12', SS-45@11', SS-46@11', and SS-47@11', did not contain concentrations of BTEX, naphthalene, or TPH exceeding applicable COGCC Table 910-1 regulatory limits.
- Soil samples SS-24@14', SS-27@15', SS-28@15', SS-29@11', and SS-30@15' contained concentrations of benzene (0.371 mg/kg, 0.182 mg/kg, 0.395 mg/kg, 0.302 mg/kg, 0.264 mg/kg, 0.316 mg/kg, and 0.224 mg/kg, respectively) exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg.
- Soil samples SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11' contained concentrations of TPH (3,220 mg/kg, 970 mg/kg, 2,621 mg/kg, 2,416 mg/kg, 7,580 mg/kg, 1,861 mg/kg, 1,979 mg/kg, and 1,322 mg/kg, respectively) exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg.
- Based on the laboratory analytical results from soil samples SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11', the excavation was extended laterally and vertically to a total depth of approximately 16 feet bgs. Since groundwater was observed at approximately 15.5 feet bgs, confirmation soil samples were not collected to vertically define soil sample locations SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11'.
- Soil samples SS-25@11', SS-34@11', SS-35@11', SS-43@12', SS-44@12', SS-45@12', and SS-47@11' were collected to confirm the removal of impacted soils adjacent to soil samples SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11'.
- Composite samples #1 through #4, #6, #7, #9, #10, #12, #13, #15, #17, #18, #20, #22 through #36, and #38 through #40 did not contain concentrations of BTEX, naphthalene, or TPH exceeding applicable COGCC Table 910-1 regulatory limits.
- Composite samples #5, #8, #11, #14, #16, #19, #21, and #37, contained concentrations of TPH (736 mg/kg, 663.4 mg/kg, 827 mg/kg, 1,477 mg/kg, 551 mg/kg, 600.2 mg/kg, 1,049.7 mg/kg and

506.84 mg/kg, respectively) exceeding the applicable COGCC Table 910-1 regulatory limits. The stockpiled soil from which these samples were collected was reprocessed and resampled.

Soil analytical results are summarized in Table 1 and presented in Figure 4. The laboratory analytical reports for soil samples collected during source removal activities and post-treatment activities at the Feit E #23-97HZ site are included in Attachment A.

#### **4.1.2 Groundwater Laboratory Analytical Results**

Based on groundwater laboratory analytical results:

- Grab groundwater samples GW-01 through GW-03 did not contain concentrations of BTEX exceeding applicable COGCC Table 910-1 regulatory limits.

Groundwater analytical results are summarized in Table 2 and present in Figure 5. The laboratory analytical reports for grab groundwater samples collected during excavation activities at the Feit E #23-97HZ site are included in Attachment A.

## **5.0 CONCLUSIONS**

Based on the information presented in this report, EAGLE concludes the following:

- On December 11, 2017, EAGLE completed initial assessment activities following decommissioning activities at the Feit E #23-97HZ tank battery. Approximately 300 cubic yards of soil were removed during initial assessment activities.
- Soil sample, SS-12@11', collected on December 11, 2017, contained a concentration of benzene exceeding applicable COGCC Table 910-1 regulatory limits.
- Soil samples, SS-11@11', SS-12@11', SS-14@2', and SS-16@2', collected on December 11, 2017, contained concentrations of TPH exceeding applicable COGCC Table 910-1 regulatory limits.
- Pothole locations, PH-01 and PH-08, were advanced on December 13, 2017 to aid in determining excavation extents at the site.
- Soil samples PH-04@6-8' and PH-06@10-12' contained benzene concentrations exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg.
- Soil samples PH-02@0-2', PH-03@0-2', PH-04@6-8', PH-05@8-10', and PH-06@10-12' contained concentrations of TPH exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg.
- From December 20, 2017 through January 15, 2018, approximately 4,000 cubic yards of soil at the Feit E #23-97HZ site were removed and treated with ex-situ chemical oxidation by Unlimited Construction.
- Confirmation soil samples SS-22@11', SS-25@11', SS-32@11', SS-34@11', SS-35@11', SS-37@11', SS-39@11', SS-40@11', SS-41@11', SS-43@12', SS-44@12', SS-45@11', SS-46@11', SS-47@11' did not contain concentrations of BTEX, naphthalene, or TPH exceeding applicable COGCC Table 910-1 regulatory limits.

- Soil samples SS-24@14', SS-27@15', SS-28@15', SS-29@11', and SS-30@15', contained concentrations of benzene exceeding applicable COGCC Table 910-1 regulatory limits.
- Soil samples SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11' contained concentrations of TPH exceeding applicable COGCC Table 910-1 regulatory limits.
- Based on the laboratory analytical results from soil samples SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11', the excavation was extended laterally and vertically to a total depth of approximately 16 feet bgs. Since groundwater was observed at approximately 15.5 feet bgs, confirmation soil samples were not collected to vertically define soil sample locations SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11'.
- Soil samples SS-25@11', SS-34@11', SS-35@11', SS-43@12', SS-44@12', SS-45@12', and SS-47@11' were collected to confirm the removal of impacted soils adjacent to soil samples SS-24@14', SS-26@15', SS-27@15', SS-28@15', SS-29@11', SS-30@15', SS-31@15', and SS-42@11'.
- Composite samples #1 through #4, #6, #7, #9, #10, #12, #13, #15, #17, #18, #20, #22 through #36, and #38 through #40 did not contain concentrations of BTEX, naphthalene, or TPH exceeding applicable COGCC Table 910-1 regulatory limits.
- Composite samples #5, #8, #11, #14, #16, #19, #21, and #37, contained concentrations of TPH exceeding applicable COGCC Table 910-1 regulatory limits. The stockpiled soil from which these samples were collected was reprocessed and resampled.
- On January 2, 2018, groundwater was observed within the excavation at a depth of approximately 15.5 feet bgs. Approximately 485 bbls of groundwater were removed from the excavation, transported and disposed of at NGL C4 on January 3, 2018 and January 5, 2018.
- Grab groundwater samples, GW-01 through GW-03, collected from the base of the excavation, did not contain concentrations of BTEX exceeding COGCC Table 910-1 regulatory limits.

## 6.0 RECOMMENDATIONS

Based on the information presented in this report, EAGLE recommends the following:

- No further assessment or remediation appears warranted for the Feit E #23-97HZ historical release (Remediation #10821) at this time.

EAGLE sincerely appreciates the opportunity to provide our services. If you have any questions or require further information, please contact us at (303) 433-0479.

Sincerely,

***EAGLE ENVIRONMENTAL CONSULTING, INC.***



Andrew Newberry  
Project Geologist



Robin Lockwood  
Project Scientist

## **FIGURES**

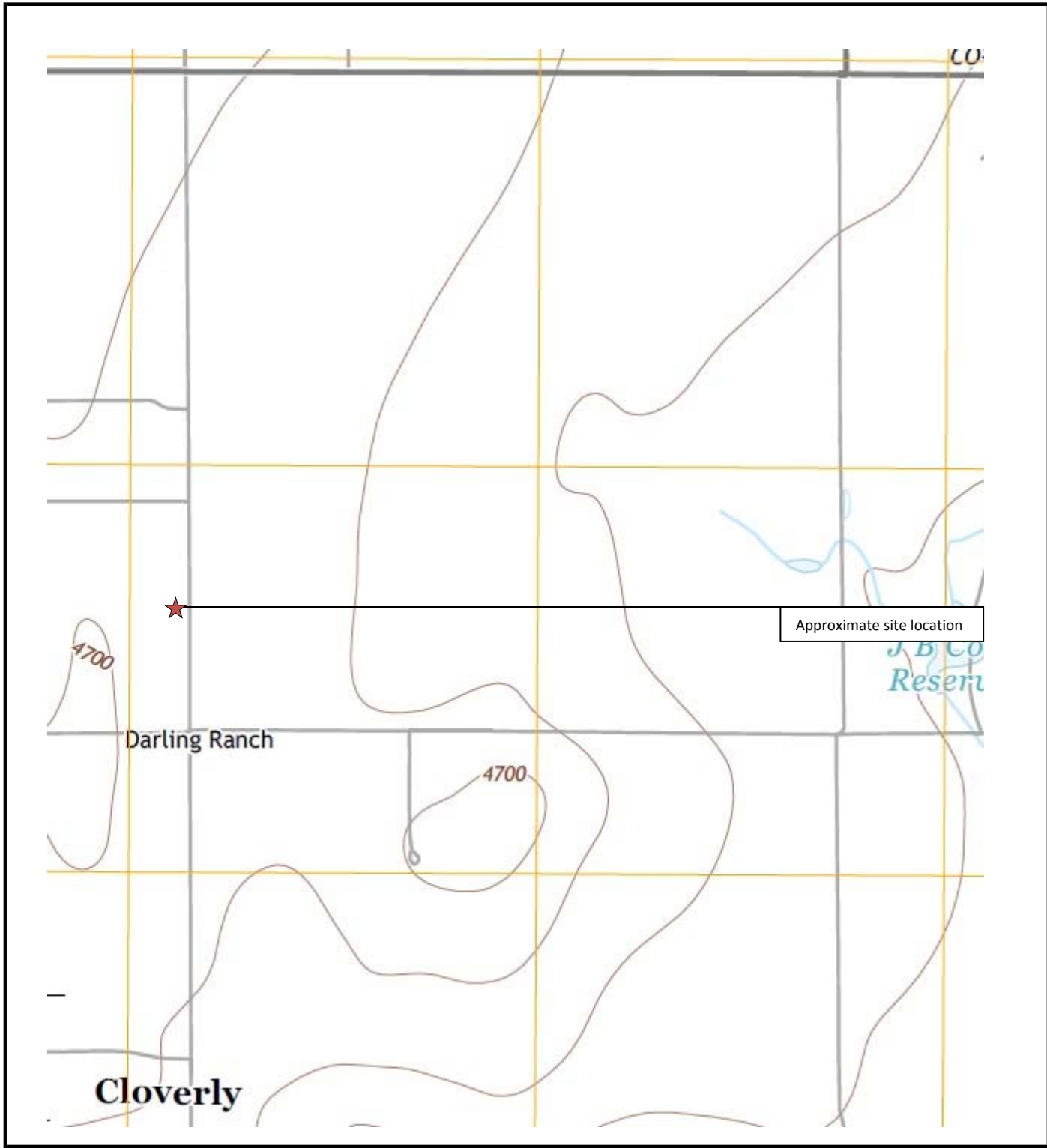
**Figure 1: Topographic Site Location Map**

**Figure 2: Aerial Site Location Map**

**Figure 3: Soil Sample Location Map**

**Figure 4: Soil Sample Analytical Map**

**Figure 5: Grab Groundwater Analytical Map**



	<p><b>Topographic Site Location Map</b>          Feit E #23-97HZ          Historical Release          40.466849 / -104.621003          NE¼ SE¼ SEC.23 T6N R65W 6PM          Weld County, Colorado          Remediation # 10821</p>
<p>Source: USGS 7.5 Minute Topographic Map, Kersey, CO Quadrangle 2013</p>	<p><b>Figure 1</b></p>

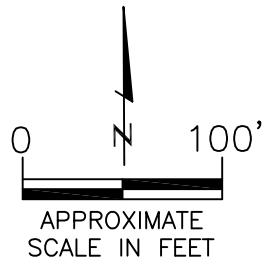




**LEGEND**

- FEIT E #23-97HZ TANK BATTERY
- FEIT E #23-97HZ WELL HEAD
- APPROXIMATE RELEASE LOCATION/EXCAVATION

\*NOTE: AERIAL IMAGE DOES NOT REFLECT CURRENT SITE CONDITIONS. FACILITIES ARE NO LONGER ONSITE.



AERIAL SITE LOCATION MAP  
 FEIT E #23-97HZ  
 HISTORICAL RELEASE  
 40.466849 / -104.621003  
 SE1/4 SE1/4 SEC.23 T6N R65W 6PM  
 WELD COUNTY, COLORADO  
 REMEDIATION # 10821

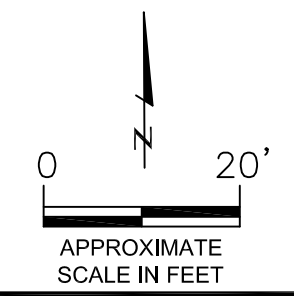
DATE: 12/11/17	
FIG. NO. 2	DRAWN BY: AMN



**EAGLE**  
 ENVIRONMENTAL  
 CONSULTING, INC.  
 4101 INCA STREET, DENVER, CO 80211  
 Ph: 303-433-0479 • F: 303-325-5449



- LEGEND**
- APPROXIMATE DCP LINE LOCATION
  - - - APPROXIMATE EXCAVATION BOUNDARIES
  - SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS
  - PH-02 APPROXIMATE LOCATION OF POTHOLE SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

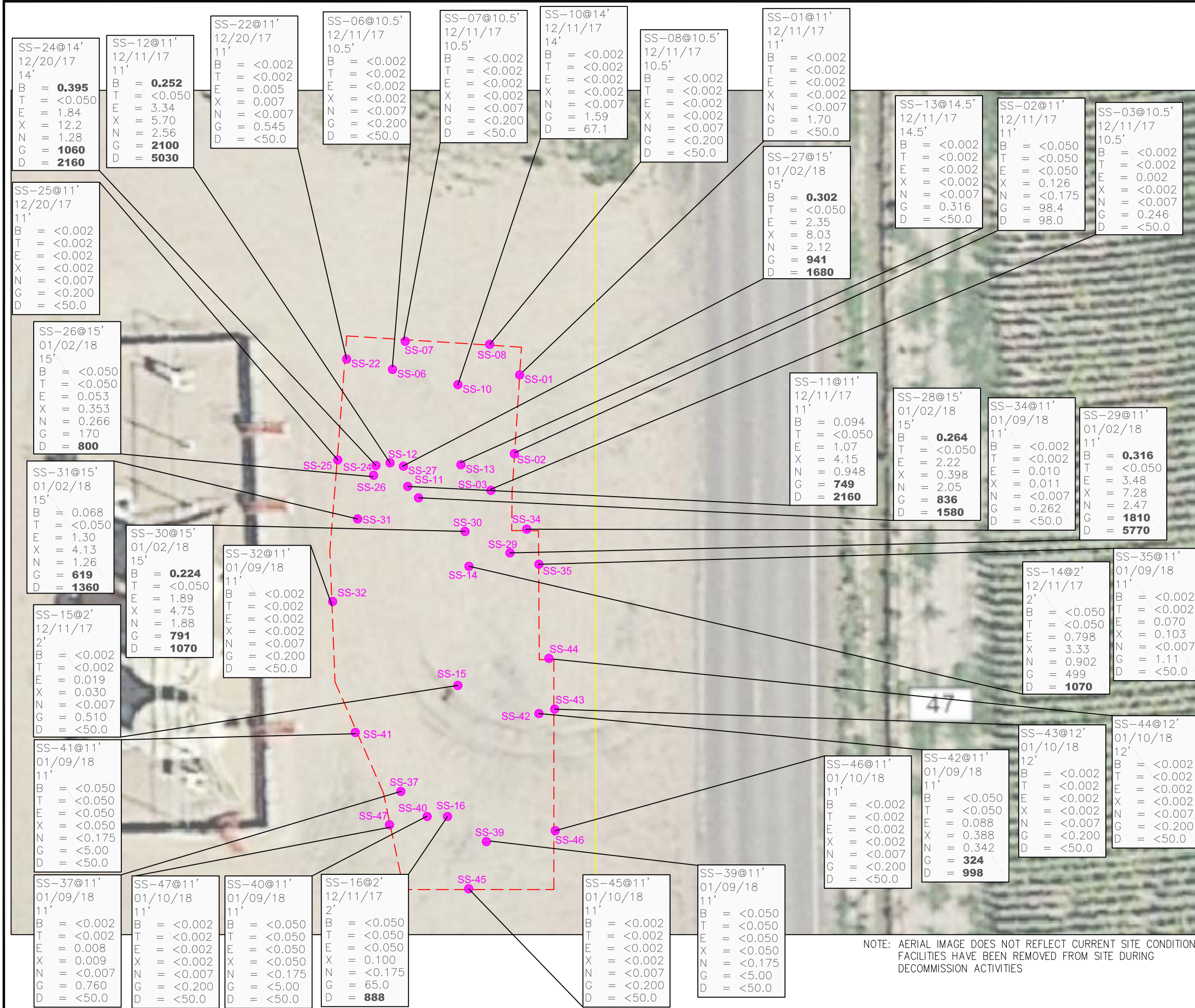


SOIL SAMPLE LOCATION MAP  
 FEIT E #23-97HZ  
 HISTORICAL RELEASE  
 40.466849 / -104.621003  
 SE1/4 SE1/4 SEC.23 T6N R65W 6PM  
 WELD COUNTY, COLORADO  
 REMEDIATION # 10821

NOTE: AERIAL IMAGE DOES NOT REFLECT CURRENT SITE CONDITIONS. FACILITIES HAVE BEEN REMOVED FROM SITE DURING DECOMMISSION ACTIVITIES

DATE: 01/11/18  
 FIG NO.: 3  
 DRAWN BY: AMN

**EAGLE**  
 ENVIRONMENTAL  
 CONSULTING, INC.  
 4101 INCA STREET, DENVER, CO 80211  
 Ph: 303-433-0479 • F: 303-325-5449



**LEGEND**

- APPROXIMATE DCP LINE LOCATION
- - - APPROXIMATE EXCAVATION BOUNDARIES
- SS-02 APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

**PARAMETERS**

**SAMPLE LOCATION**  
 DATE  
 DEPTH (FEET)  
 B = BENZENE (mg/kg)  
 T = TOLUENE (mg/kg)  
 E = ETHYLBENZENE (mg/kg)  
 X = TOTAL XYLENES (mg/kg)  
 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 IN **BOLD** EXCEED COGCC TABLE 910-1 REGULATORY LIMITS

COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION

0 20'

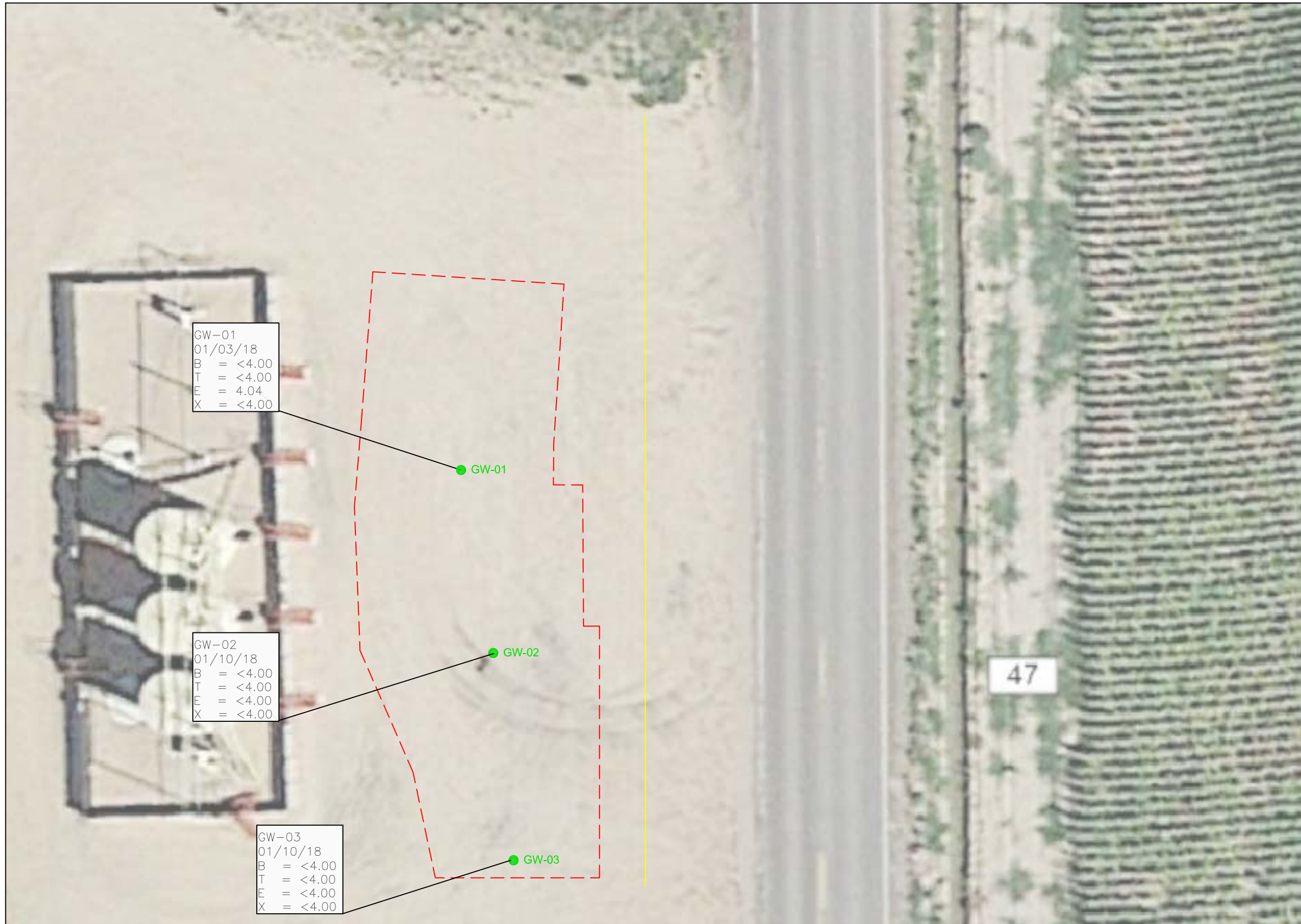
APPROXIMATE SCALE IN FEET

**SOIL SAMPLE ANALYTICAL MAP**  
 FEIT E #23-97HZ  
 HISTORICAL RELEASE  
 40.466849 / -104.621003  
 SE1/4 SE1/4 SEC.23 T6N R65W 6PM  
 WELD COUNTY, COLORADO  
 REMEDIATION # 10821

DATE: 01/11/18  
 FIG NO.: 4  
 DRAWN BY: AMN

**EAGLE ENVIRONMENTAL CONSULTING, INC.**  
 4101 INCA STREET, DENVER, CO 80211  
 Ph: 303-433-0479 • F: 303-325-5449

NOTE: AERIAL IMAGE DOES NOT REFLECT CURRENT SITE CONDITIONS. FACILITIES HAVE BEEN REMOVED FROM SITE DURING DECOMMISSION ACTIVITIES



GW-01  
01/03/18  
B = <4.00  
T = <4.00  
E = 4.04  
X = <4.00

GW-02  
01/10/18  
B = <4.00  
T = <4.00  
E = <4.00  
X = <4.00

GW-03  
01/10/18  
B = <4.00  
T = <4.00  
E = <4.00  
X = <4.00

- LEGEND**
- APPROXIMATE DCP LINE LOCATION
  - - - APPROXIMATE EXCAVATION BOUNDARIES
  - GW-01 APPROXIMATE LOCATION OF GROUNDWATER SAMPLE SUBMITTED FOR LABORATORY ANALYSIS

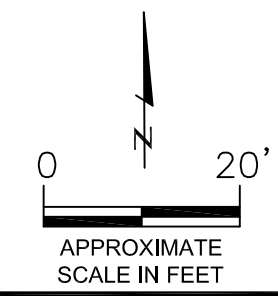
PARAMETERS

GROUNDWATER 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 IN **BOLD** EXCEED COGCC TABLE 910-1 REGULATORY LIMITS.

COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION



GRAB GROUNDWATER ANALYTICAL MAP  
FEIT E #23-97HZ  
HISTORICAL RELEASE  
40.466849 / -104.621003  
SE1/4 SE1/4 SEC.23 T6N R65W 6PM  
WELD COUNTY, COLORADO  
REMIEDIATION # 10821

NOTE: AERIAL IMAGE DOES NOT REFLECT CURRENT SITE CONDITIONS. FACILITIES HAVE BEEN REMOVED FROM SITE DURING DECOMMISSION ACTIVITIES

DATE: 01/11/18  
FIG NO.: 5  
DRAWN BY: AMN

**EAGLE ENVIRONMENTAL CONSULTING, INC.**  
4101 INCA STREET, DENVER, CO 80211  
Ph: 303-433-0479 • F: 303-325-5449

## **TABLES**

**Table 1: Soil Analytical Results Summary**

**Table 2: Grab Groundwater Analytical Summary**

TABLE 1  
SOIL ANALYTICAL RESULTS SUMMARY  
FEIT E #23-97HZ  
HISTORICAL RELEASE  
40.466849 / -104.621003  
NE¼ SE¼ SEC.23 T6N R65W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 10821

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)
<b>COGCC - Regulatory Limits (Table 910-1) (mg/kg)</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>23</b>	<b>500</b>	
SS-01 @ 11' (40.466877/-104.621015)	12/11/17	11	<0.002	<0.002	<0.002	<0.002	<0.007	1.70	<50.0
SS-02 @ 11' (40.466845/-104.621017)	12/11/17	11	<0.050	<0.050	<0.050	0.126	<0.175	98.4	98.0
SS-03 @ 10.5' (40.466824/-104.621043)	12/11/17	10.5	<0.002	<0.002	0.002	<0.002	<0.007	0.246	<50.0
SS-06 @ 10.5' (40.466888/-104.621112)	12/11/17	10.5	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-07 @ 10.5' (40.466900/-104.621085)	12/11/17	10.5	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-08 @ 10.5' (40.466895/-104.621046)	12/11/17	10.5	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-10 @ 14' (40.466873/-104.621056)	12/11/17	14	<0.002	<0.002	<0.002	<0.002	<0.007	1.59	67.1
SS-11 @ 11' (40.466830/-104.621096)	12/11/17	11	0.094	<0.050	1.07	4.15	0.948	<b>749</b>	<b>2160</b>
SS-12 @ 11' (40.466853/-104.621117)	12/11/17	11	<b>0.252</b>	<0.050	3.34	5.70	2.56	<b>2100</b>	<b>5030</b>
SS-13 @ 14.5' (40.466839/-104.621059)	12/11/17	14.5	<0.002	<0.002	<0.002	<0.002	<0.007	0.316	<50.0
SS-14 @ 2' (40.466766/-104.621046)	12/11/17	2	<0.050	<0.050	0.798	3.33	0.902	<b>499</b>	<b>1070</b>
SS-15 @ 2' (40.466704/-104.621057)	12/11/17	2	<0.002	<0.002	0.019	0.030	<0.007	0.510	<50.0
SS-16 @ 2' (40.466624/-104.621066)	12/11/17	2	<0.050	<0.050	<0.050	0.100	<0.175	65.0	<b>888</b>
PH-01 @ 2-4' (40.466632/-104.621016)	12/13/17	2-4.0	<0.002	<0.002	<0.002	<0.002	<0.007	0.411	<50.0
PH-02 @ 0-2' (40.466601/-104.621071)	12/13/17	0-2	<0.050	<0.050	0.068	1.07	0.674	12.7	<b>3790</b>
PH-03 @ 0-2' (40.466623/-104.621111)	12/13/17	0-2	0.003	<0.002	0.003	0.056	0.030	19.1	<b>787</b>
PH-04 @ 6-8' (40.466792/-104.621109)	12/13/17	6-8.0	<b>0.371</b>	<0.050	2.16	11.2	2.45	<b>1010</b>	<b>1010</b>
PH-05 @ 8-10' (40.466810/-104.621178)	12/13/17	8-10.0	0.062	<0.050	0.414	2.31	0.815	277	<b>970</b>
PH-06 @ 10-12' (40.466854/-104.621177)	12/13/17	10-12.0	<b>0.182</b>	<0.050	2.31	13.6	1.80	<b>1510</b>	<b>3370</b>
PH-07 @ 4-6' (40.466750/-104.621123)	12/13/17	4-6'	<0.050	<0.050	0.380	0.601	0.284	72.7	115
PH-08 @ 2-4' (40.466829/-104.621208)	12/13/17	2-4'	<0.050	<0.050	<0.050	<0.050	<0.175	<5.00	<50.0
SS-22 @ 11' (40.466893/-104.621234)	12/20/17	11	<0.002	<0.002	0.005	0.007	<0.007	0.545	<50.0
SS-24 @ 14' (40.466844/-104.621135)	12/20/17	14	<b>0.395</b>	<0.050	1.84	12.2	1.28	<b>1060</b>	<b>2160</b>
SS-25 @ 11' (40.466842/-104.621232)	12/20/17	11	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-26 @ 15' (40.466827/-104.621118)	01/02/18	15	<0.050	<0.050	0.053	0.353	0.266	170	<b>800</b>
SS-27 @ 15' (40.466839/-104.621097)	01/02/18	15	<b>0.302</b>	<0.050	2.35	8.03	2.12	<b>941</b>	<b>1680</b>
SS-28 @ 15' (40.466818/-104.621082)	01/02/18	15	<b>0.264</b>	<0.050	2.22	0.398	2.05	<b>836</b>	<b>1580</b>
SS-29 @ 11' (40.466780/-104.621027)	01/02/18	11	<b>0.316</b>	<0.050	3.48	7.28	2.47	<b>1810</b>	<b>5770</b>
SS-30 @ 15' (40.466807/-104.621052)	01/02/18	15	<b>0.224</b>	<0.050	1.89	4.75	1.88	<b>791</b>	<b>1070</b>
SS-31 @ 15' (40.466787/-104.621133)	01/02/18	15	0.068	<0.050	1.30	4.13	1.26	<b>619</b>	<b>1360</b>

**TABLE 1**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**FEIT E #23-97HZ**  
**HISTORICAL RELEASE**  
**40.466849 / -104.621003**  
**NE¼ SE¼ SEC.23 T6N R65W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDATION # 10821**

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)
<b>COGCC - Regulatory Limits (Table 910-1) (mg/kg)</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>23</b>	<b>500</b>	
SS-32@11' (40.466726/-104.621215)	01/09/18	11	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-34@11' (40.466633/-104.621147)	01/09/18	11	<0.002	<0.002	0.010	0.011	<0.007	0.262	<50.0
SS-35@11' (40.466731/-104.621024)	01/09/18	11	<0.002	<0.002	0.070	0.103	<0.007	1.11	<50.0
SS-37@11' (40.466611/-104.621131)	01/09/18	11	<0.002	<0.002	0.008	0.009	<0.007	0.760	<50.0
SS-39@11' (40.466596/-104.621069)	01/09/18	11	<0.050	<0.050	<0.050	<0.050	<0.175	<5.00	<50.0
SS-40@11' (40.466607/-104.621116)	01/09/18	11	<0.050	<0.050	<0.050	<0.050	<0.175	<5.00	<50.0
SS-41@11' (40.466660/-104.621191)	01/09/18	11	<0.050	<0.050	<0.050	<0.050	<0.175	<5.00	<50.0
SS-42@11' (40.466648/-104.621023)	01/09/18	11	<0.050	<0.050	0.088	0.388	0.342	324	<b>998</b>
SS-43@12' (40.466657/-104.621011)	01/10/18	12	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-44@12' (40.466668/-104.621022)	01/10/18	12	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-45@11' (40.466559/-104.621054)	01/10/18	11	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-46@11' (40.466579/-104.621006)	01/10/18	11	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
SS-47@11' (40.466580/-104.621116)	01/10/18	11	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0
Composite-01	01/03/18	NA	<0.050	<0.050	0.186	1.15	0.531	148	345
Composite-02	01/03/18	NA	<0.050	<0.050	0.072	0.488	0.353	100	179
Composite-03	01/03/18	NA	<0.050	<0.050	0.123	0.730	0.402	130	339
Composite-04	01/03/18	NA	<0.050	<0.050	0.254	1.06	0.602	204	213
Composite-05	01/03/18	NA	<0.050	<0.050	0.216	0.922	0.652	183	<b>553</b>
Composite-06	01/03/18	NA	<0.050	<0.050	0.208	1.05	0.604	165	156
Composite-07	01/03/18	NA	<0.050	<0.050	0.140	0.706	0.416	138	291
Composite-08	01/04/18	NA	<0.050	<0.050	<0.050	0.206	0.224	52.4	<b>611</b>
Composite-09	01/04/18	NA	<0.050	<0.050	<0.050	0.247	0.298	51.8	297
Composite-10	01/04/18	NA	<0.050	<0.050	0.062	0.356	0.512	81.4	382
Composite-11	01/04/18	NA	<0.050	<0.050	0.474	2.05	1.16	232	<b>595</b>
Composite-12	01/04/18	NA	<0.050	<0.050	0.074	0.412	0.415	79.5	206
Composite-13	01/04/18	NA	<0.050	<0.050	<0.050	0.269	0.352	53.5	329
Composite-14	01/04/18	NA	<0.050	<0.050	0.340	1.55	0.689	447	<b>1030</b>
Composite-15	01/04/18	NA	<0.050	<0.050	0.128	0.134	0.340	122	308
Composite-16	01/04/18	NA	<0.050	<0.050	0.208	0.258	0.262	<b>158</b>	<b>393</b>

TABLE 1  
SOIL ANALYTICAL RESULTS SUMMARY  
FEIT E #23-97HZ  
HISTORICAL RELEASE  
40.466849 / -104.621003  
NE¼ SE¼ SEC.23 T6N R65W 6PM  
WELD COUNTY, COLORADO  
REMEDIAL # 10821

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)
<b>COGCC - Regulatory Limits (Table 910-1) (mg/kg)</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>23</b>	<b>500</b>	
Composite-17	01/04/18	NA	<0.050	<0.050	0.188	0.740	0.418	198	193
Composite-18	01/04/18	NA	<0.050	<0.050	<0.050	0.302	0.283	169	230
Composite-19	01/08/18	NA	<0.050	<0.050	<0.050	<0.050	0.176	68.2	<b>532</b>
Composite-20	01/08/18	NA	<0.050	<0.050	<0.050	<0.050	0.241	83.6	<50.0
Composite-21	01/08/18	NA	<0.050	<0.050	<0.050	<0.050	<0.175	62.7	<b>987</b>
Composite-22	01/08/18	NA	<0.050	<0.050	<0.050	<0.050	0.211	88.9	88.1
Composite-23	01/11/18	NA	<0.050	<0.050	<0.050	<0.050	<0.175	26.0	329
Composite-24	01/11/18	NA	<0.002	<0.002	<0.002	0.029	0.049	5.79	368
Composite-25	01/11/18	NA	<0.002	<0.002	0.007	0.116	0.048	6.66	221
Composite-26	01/11/18	NA	<0.002	<0.002	0.002	0.048	0.041	4.69	416
Composite-27	01/11/18	NA	<0.002	<0.002	0.005	0.049	0.055	8.83	222
Composite-28	01/11/18	NA	<0.050	<0.050	<0.050	<0.050	<0.175	20.2	439
Composite-29	01/11/18	NA	<0.002	<0.002	0.006	0.058	0.035	10.0	210
Composite-30	01/11/18	NA	<0.002	<0.002	0.016	0.157	0.094	13.5	335
Composite-31	01/12/18	NA	<0.002	<0.002	<0.002	0.034	0.025	3.10	145
Composite-32	01/12/18	NA	<0.002	<0.002	<0.002	<0.002	0.013	1.44	167
Composite-33	01/12/18	NA	<0.002	<0.002	<0.002	0.021	0.040	4.04	354
Composite-34	01/12/18	NA	<0.002	<0.002	<0.002	0.038	0.042	4.27	226
Composite-35	01/12/18	NA	<0.002	<0.002	<0.002	0.011	0.025	2.56	216
Composite-36	01/12/18	NA	<0.002	<0.002	<0.002	0.005	0.016	2.84	140
Composite-37	01/12/18	NA	<0.002	<0.002	<0.002	0.018	0.053	6.84	<b>500</b>
Composite-38	01/12/18	NA	<0.002	<0.002	<0.002	0.054	0.048	5.28	432
Composite-39	01/12/18	NA	<0.002	<0.002	0.005	0.057	0.045	3.80	156
Composite-40	01/15/18	NA	<0.002	<0.002	0.020	0.029	0.071	8.21	138
COGCC = Colorado Oil and Gas Conservation Commission			mg/kg = milligrams per kilogram			NA - Not Applicable			
TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics			TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics						
Values presented in <b>bold</b> indicate concentrations exceeded COGCC Table 910-1 regulatory limits.									
Values presented with a "<" symbol indicate concentrations were not observed above the laboratory reporting limit.									



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS SUMMARY**  
**FEIT E #23-97HZ**  
**HISTORICAL RELEASE**  
**40.466849 / -104.621003**  
**NE¼ SE¼ SEC.23 T6N R65W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDIATION # 10821**

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 (40.466806 / -104.621075)	01/03/18	<4.00	<4.00	4.04	<4.00
GW-02 (40.466703 / -104.621053)	01/10/18	<4.00	<4.00	<4.00	<4.00
GW-03 (40.466616 / -104.621031)	01/10/18	<4.00	<4.00	<4.00	<4.00
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.					

# **ATTACHMENT A**

## **Laboratory Analytical Reports**



December 12, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Noble - Feit 23-97

Project Number - [none]

Attached are your analytical results for Noble - Feit 23-97 received by Origins Laboratory, Inc. December 11, 2017. This project is associated with Origins project number Y712177-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit 23-97

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-01 @ 11'	Y712177-01	Soil	December 11, 2017 12:41	12/11/2017 14:55
SS-02 @ 11'	Y712177-02	Soil	December 11, 2017 12:42	12/11/2017 14:55
SS-03 @ 10.5'	Y712177-03	Soil	December 11, 2017 12:35	12/11/2017 14:55
SS-06 @ 10.5'	Y712177-04	Soil	December 11, 2017 12:32	12/11/2017 14:55
SS-07 @ 10.5'	Y712177-05	Soil	December 11, 2017 12:22	12/11/2017 14:55
SS-08 @ 10.5'	Y712177-06	Soil	December 11, 2017 12:20	12/11/2017 14:55
SS-10 @ 14'	Y712177-07	Soil	December 11, 2017 12:24	12/11/2017 14:55
SS-11 @ 11'	Y712177-08	Soil	December 11, 2017 12:56	12/11/2017 14:55
SS-12 @ 11'	Y712177-09	Soil	December 11, 2017 12:58	12/11/2017 14:55
SS-13 @ 14.5'	Y712177-10	Soil	December 11, 2017 12:53	12/11/2017 14:55
SS-14 @ 2'	Y712177-11	Soil	December 11, 2017 13:04	12/11/2017 14:55
SS-15 @ 2'	Y712177-12	Soil	December 11, 2017 13:05	12/11/2017 14:55
SS-16 @ 2'	Y712177-13	Soil	December 11, 2017 13:06	12/11/2017 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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97



www.originslaboratory.com

712177

page 1 of 2

Client: EAGLE ENV CONSULTING  
 Address: 4101 INCA ST  
DENVER, CO  
 Telephone Number: 303-433-0479  
 Email Address: ALBERT@EAGLE-CONSULTING.COM

Project Manager: MARTIN ECKERT III  
 Project Name: FEIT 23-97  
 Project Number: ---  
 Samples Collected By: AV/LL

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summary #	Other	BTEX	VOC	
55-01@11'	12-11-17	1241	2	X				X				X	X	
55-02@11'		1242	1									X	X	
55-03@10.5'		1235	1											
55-06@10.5'		1232	1											
55-07@10.5'		1222	1											
55-08@10.5'		1220	1											
55-04@11'		1224	1											
55-11@11'		1256	1											
55-12@11'		1258	1											
55-13@14.5'		1253	1											
Relinquished By: <u>[Signature]</u>	Date: 12-11-17	Time: 1455	Time: 1455	Received By: <u>[Signature]</u>	Date: 12-11-17	Time: 1455	Time: 1455	Received By: <u>[Signature]</u>	Date: 12-11-17	Time: 1455	Time: 1455	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>		
Relinquished By: <u>[Signature]</u>	Date: 12-11-17	Time: 1455	Time: 1455	Received By: <u>[Signature]</u>	Date: 12-11-17	Time: 1455	Time: 1455	Received By: <u>[Signature]</u>	Date: 12-11-17	Time: 1455	Time: 1455	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>		

Temp Received: 53  
 Date Results Needed: 12/13/17  
 Bill To: HOWARD  
 ALG: 205420

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

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*9/2/17*

page 2 of 2

**ORIGINS**  
LABORATORY, INC

Client: EAGLE ENV. CONSULTING  
 Address: 4101 Inca St.  
DENVER, CO  
 Telephone Number: 303-433-0474  
 Email Address: MLE.S@EAGLE-ENVIRONMENT.COM

Project Manager: MARTIN ECKERT III  
 Project Name: Feit 23-97  
 Project Number: ---  
 Samples Collected By: AM/LEP

Fax: 303.265.9645 | Phone: 303.433.1322 | Denver, CO 80211

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis	Sample Instructions		
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil			As Summed	Container #
55-14 @ 2'	12-11-17	13:04	2 X					X					
55-15 @ 2'	↓	13:05	↓										
55-16 @ 2'	↓	13:06	↓										

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:		
						24 Hr	48 Hr	Standard
<i>[Signature]</i>	12-11-17	14:55	<i>[Signature]</i>	12-11-17	14:55	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>[Signature]</i>	12-11-17	14:55	<i>[Signature]</i>	12-11-17	14:55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1725 Elk Place  
 Denver, CO 80211  
 Date Results Needed: 5.8  
 Temp Received: 5.8  
 Date Results Needed: 8/10/17  
 Noble

Origins Laboratory, Inc.

*Jen 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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y712177

Client: Eagle Env.

Client Project ID: Noble - Feit 23-97

Checklist Completed by: Den [Signature]

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

Date/time completed: 12-18-17

Airbill #: ND

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

Cooler Number/Temperature:  / 15.8 °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C (Describe)

Thermometer ID: 1003

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 12-18-17

Origins Laboratory, Inc.

Jefe Pellegrini

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

SS-01 @ 11'  
 12/11/2017 12:41:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712177-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	U
Surrogate: o-Terphenyl	87.5 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1.70	0.200	mg/kg	1	B7L1101	12/11/2017	12/11/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-02 @ 11'**  
**12/11/2017 12:42:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-02 (Soil)**

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

Diesel (C10-C28)	98.0	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	
Surrogate: o-Terphenyl	81.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	98.4	5.00	mg/kg	25	B7L1101	12/11/2017	12/11/2017	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	0.126	0.050	"	"	"	"	"	
Naphthalene	ND	0.175	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-03 @ 10.5'**  
**12/11/2017 12:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-03 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	U
<i>Surrogate: o-Terphenyl</i>	70.5 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>0.246</b>	0.200	mg/kg	1	B7L1101	12/11/2017	12/11/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	<b>0.002</b>	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	110 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.0 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	100 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-06 @ 10.5'**  
**12/11/2017 12:32:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-04 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	U
<i>Surrogate: o-Terphenyl</i>	85.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B7L1101	12/11/2017	12/11/2017	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	112 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.0 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-07 @ 10.5'**  
**12/11/2017 12:22:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-05 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	U
<i>Surrogate: o-Terphenyl</i>	90.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B7L1101	12/11/2017	12/11/2017	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	113 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	95.6 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-08 @ 10.5'**  
**12/11/2017 12:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-06 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	U
<i>Surrogate: o-Terphenyl</i>	89.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B7L1101	12/11/2017	12/11/2017	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	115 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.1 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	100 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-10 @ 14'**  
**12/11/2017 12:24:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-07 (Soil)**

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

Diesel (C10-C28)	67.1	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	
Surrogate: o-Terphenyl	87.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1.59	0.200	mg/kg	1	B7L1101	12/11/2017	12/11/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Naphthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-11 @ 11'**  
**12/11/2017 12:56:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-08 (Soil)**

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

Diesel (C10-C28)	2160	50.0	mg/kg	1	B7L1102	12/11/2017	12/11/2017	
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Surrogate: o-Terphenyl	97.7 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	749	50.0	mg/kg	250	B7L1101	12/11/2017	12/11/2017	
Benzene	0.094	0.050	"	25	"	"	12/12/2017	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	1.07	0.050	"	"	"	"	"	
Xylenes, total	4.15	0.050	"	"	"	"	"	
Napthalene	0.948	0.175	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	87.3 %	70-130			"	"	"	
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Surrogate: Toluene-d8	98.6 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	122 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-12 @ 11'**  
**12/11/2017 12:58:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-09 (Soil)**

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

Diesel (C10-C28)	5030	50.0	mg/kg	1	B7L1102	12/11/2017	12/12/2017	
Surrogate: <i>o</i> -Terphenyl	118 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	2100	50.0	mg/kg	250	B7L1101	12/11/2017	12/11/2017	
Benzene	0.252	0.050	"	25	"	"	12/12/2017	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	3.34	0.050	"	"	"	"	"	
Xylenes, total	5.70	0.050	"	"	"	"	"	
Napthalene	2.56	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.6 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	152 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-13 @ 14.5'**  
**12/11/2017 12:53:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-10 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1102	12/11/2017	12/12/2017	U
Surrogate: o-Terphenyl	88.5 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>0.316</b>	0.200	mg/kg	1	B7L1101	12/11/2017	12/12/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-14 @ 2'**  
**12/11/2017 1:04:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-11 (Soil)**

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

Diesel (C10-C28)	1070	50.0	mg/kg	1	B7L1102	12/11/2017	12/12/2017	
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Surrogate: o-Terphenyl	84.8 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	499	5.00	mg/kg	25	B7L1101	12/11/2017	12/12/2017	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.798	0.050	"	"	"	"	"	
Xylenes, total	3.33	0.050	"	"	"	"	"	
Naphthalene	0.902	0.175	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.6 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	126 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-15 @ 2'**  
**12/11/2017 1:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-12 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1102	12/11/2017	12/12/2017	U
Surrogate: <i>o</i> -Terphenyl	89.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>0.510</b>	0.200	mg/kg	1	B7L1101	12/11/2017	12/12/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	<b>0.019</b>	0.002	"	"	"	"	"	
Xylenes, total	<b>0.030</b>	0.002	"	"	"	"	"	
Naphthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.6 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**SS-16 @ 2'**  
**12/11/2017 1:06:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712177-13 (Soil)**

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

Diesel (C10-C28)	<b>888</b>	50.0	mg/kg	1	B7L1102	12/11/2017	12/12/2017	
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Surrogate: <i>o</i> -Terphenyl	100 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>65.0</b>	5.00	mg/kg	25	B7L1101	12/11/2017	12/12/2017	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	<b>0.100</b>	0.050	"	"	"	"	"	
Naphthalene	ND	0.175	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1101 - EPA 5030 (soil)**

**Blank (B7L1101-BLK1)**

Prepared: 12/11/2017 Analyzed: 12/11/2017

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.0	70-130			

Origins Laboratory, Inc.



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

Jen Pellegrini, Project Manager

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1101 - EPA 5030 (soil)**

**LCS (B7L1101-BS1)**

Prepared: 12/11/2017 Analyzed: 12/11/2017

Benzene	0.098	0.002	mg/kg	0.100		97.5	70-130			
Toluene	0.096	0.002	"	0.100		95.8	70-130			
Ethylbenzene	0.105	0.002	"	0.100		105	70-130			
m,p-Xylene	0.201	0.004	"	0.200		101	70-130			
o-Xylene	0.100	0.002	"	0.100		100	70-130			
Naphthalene	0.097	0.007	"	0.100		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.5	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.0	70-130			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1101 - EPA 5030 (soil)

Matrix Spike (B7L1101-MS1)	Source: Y712170-01			Prepared: 12/11/2017 Analyzed: 12/11/2017						
Benzene	0.097	0.002	mg/kg	0.100	0.002	94.9	70-130			
Toluene	0.094	0.002	"	0.100	0.002	91.6	70-130			
Ethylbenzene	0.134	0.002	"	0.100	0.001	132	70-130			QM-07
m,p-Xylene	0.256	0.004	"	0.200	0.009	124	70-130			
o-Xylene	0.123	0.002	"	0.100	0.003	119	70-130			
Naphthalene	0.041	0.007	"	0.100	0.008	33.3	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	86		"	62.5		137	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1101 - EPA 5030 (soil)

Matrix Spike Dup (B7L1101-MSD1)	Source: Y712170-01			Prepared: 12/11/2017 Analyzed: 12/11/2017						
Benzene	0.089	0.002	mg/kg	0.100	0.002	87.2	70-130	8.24	20	
Toluene	0.084	0.002	"	0.100	0.002	82.2	70-130	10.5	20	
Ethylbenzene	0.100	0.002	"	0.100	0.001	98.7	70-130	28.8	20	QR-03
m,p-Xylene	0.194	0.004	"	0.200	0.009	92.6	70-130	27.6	20	QR-02
o-Xylene	0.095	0.002	"	0.100	0.003	92.4	70-130	24.9	20	QR-02
Naphthalene	0.046	0.007	"	0.100	0.008	37.8	70-130	10.4	20	QR-03
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	77		"	62.5		123	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit 23-97

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B7L1102 - EPA 3550B**

**Blank (B7L1102-BLK1)**

Prepared: 12/11/2017 Analyzed: 12/11/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

41			"	50.0		81.6	59-131			
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**LCS (B7L1102-BS1)**

Prepared: 12/11/2017 Analyzed: 12/11/2017

Diesel (C10-C28)	986	50.0	mg/kg	1000		98.6	64-121			
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Surrogate: o-Terphenyl

54			"	50.0		108	59-131			
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**Matrix Spike (B7L1102-MS1)**

**Source: Y712170-01**

Prepared: 12/11/2017 Analyzed: 12/11/2017

Diesel (C10-C28)	7110	50.0	mg/kg	1000	12100	NR	53-125			QM-4X
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Surrogate: o-Terphenyl

51			"	50.0		102	59-131			
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**Matrix Spike Dup (B7L1102-MSD1)**

**Source: Y712170-01**

Prepared: 12/11/2017 Analyzed: 12/11/2017

Diesel (C10-C28)	7940	50.0	mg/kg	1000	12100	NR	53-125	11.0	20	QM-4X
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Surrogate: o-Terphenyl

45			"	50.0		89.5	59-131			
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Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit 23-97

### Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager



December 14, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. December 13, 2017. This project is associated with Origins project number Y712229-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PH-01@2-4	Y712229-01	Soil	December 13, 2017 14:33	12/13/2017 16:52
PH-02@0-2	Y712229-02	Soil	December 13, 2017 13:51	12/13/2017 16:52
PH-03@0-2	Y712229-03	Soil	December 13, 2017 14:13	12/13/2017 16:52
PH-04@6-8	Y712229-04	Soil	December 13, 2017 13:26	12/13/2017 16:52
PH-05@8-10	Y712229-05	Soil	December 13, 2017 13:03	12/13/2017 16:52
PH-06@10-12	Y712229-06	Soil	December 13, 2017 12:34	12/13/2017 16:52
PH-07@4-6	Y712229-07	Soil	December 13, 2017 14:54	12/13/2017 16:52
PH-08@2-4	Y712229-08	Soil	December 13, 2017 15:18	12/13/2017 16:52

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ



www.originslaboratory.com

712229

page 1 of 1

Client: EAGLE ENV. CONSULTING  
 Address: 4101 INCA ST.  
DENVER CO  
 Telephone Number: 303-433-0479  
 Email Address: M.C.ECKERT@EAGLE-ENV.COM

Project Manager: MARTIN ECKERT III  
 Project Name: FEIT E #23-97HZ  
 Project Number: -  
 Samples Collected By: MD

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis				Sample Instructions		
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	BTEX	VOC	SVOC	Metals			
PH-01@ 2-4	12-15-17	1433	2	X				X				X						
PH-02@ 0-2		1351	1															
PH-03@ 0-2		1417	1															
PH-04@ 6-8		1326	1															
PH-05@ 8-10		1303	1															
PH-06@ 10-12		1234	1															
PH-07@ 4-6		1454	1															
PH-08@ 2-4		1516	1															
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:			
	12-13-17	1652		12-13-17	1652		12-13-17	1652		12-13-17	1652		12-13-17	1652	Same Day <input checked="" type="checkbox"/>	24 Hr <input type="checkbox"/>	48 Hr <input type="checkbox"/>	72 Hr <input type="checkbox"/>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Standard <input type="checkbox"/>			

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

Temp Received: 2.1 Date Results Needed: NONE

NOTE: 201420 BILL TO 1AL08 12-13-17

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 972229 Client: Eagle Env.  
 Client Project ID: Noble - Feit E #23 - 97HZ  
 Checklist Completed by: DM Shipped Via: HD  
 Date/time completed: 12-13-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: PC  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_ (Describe)  
 Cooler Number/Temperature: 121 °C  °C  °C  °C  
 Thermometer ID: 1003

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? <b>If yes, contact client and note in narrative.</b>			<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 12-13-12

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-01@2-4  
 12/13/2017 2:33:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	U
Surrogate: <i>o</i> -Terphenyl	71.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>0.411</b>	0.200	mg/kg	1	B7L1309	12/13/2017	12/13/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	117 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.0 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-02@0-2  
 12/13/2017 1:51:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-02 (Soil)

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

Diesel (C10-C28)	3790	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	
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Surrogate: o-Terphenyl	101 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	12.7	0.200	mg/kg	1	B7L1309	12/13/2017	12/13/2017	
Benzene	ND	0.050	"	25	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.068	0.050	"	"	"	"	"	
Xylenes, total	1.07	0.050	"	"	"	"	"	
Naphthalene	0.674	0.175	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	164 %	70-130			"	"	"	S-04

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-03@0-2  
 12/13/2017 2:13:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-03 (Soil)

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

Diesel (C10-C28)	787	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	
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Surrogate: <i>o</i> -Terphenyl	114 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	19.1	0.200	mg/kg	1	B7L1309	12/13/2017	12/13/2017	
Benzene	0.003	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.003	0.002	"	"	"	"	"	
Xylenes, total	0.056	0.002	"	"	"	"	"	
Napthalene	0.030	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"	
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Surrogate: Toluene-d8	103 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	192 %	70-130			"	"	"	S-04
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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-04@6-8  
 12/13/2017 1:26:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-04 (Soil)

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

Diesel (C10-C28)	1010	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	
------------------	------	------	-------	---	---------	------------	------------	--

Surrogate: <i>o</i> -Terphenyl	95.7 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1010	50.0	mg/kg	250	B7L1309	12/13/2017	12/14/2017	
Benzene	0.371	0.050	"	25	"	"	12/13/2017	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	2.16	0.498	"	250	"	"	12/14/2017	
Xylenes, total	11.2	0.498	"	"	"	"	"	
Napthalene	2.45	0.175	"	25	"	"	12/13/2017	

Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130			"	"	12/14/2017	
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Surrogate: Toluene-d8	96.3 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	85.6 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-05@8-10  
 12/13/2017 1:03:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-05 (Soil)

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

Diesel (C10-C28)	970	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	
Surrogate: <i>o</i> -Terphenyl	91.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	277	5.00	mg/kg	25	B7L1309	12/13/2017	12/13/2017	
Benzene	0.062	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.414	0.050	"	"	"	"	"	
Xylenes, total	2.31	0.050	"	"	"	"	"	
Napthalene	0.815	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	145 %	70-130			"	"	"	S-04

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-06@10-12  
 12/13/2017 12:34:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-06 (Soil)

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

Diesel (C10-C28)	3370	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	
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Surrogate: <i>o</i> -Terphenyl	102 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1510	50.0	mg/kg	250	B7L1309	12/13/2017	12/14/2017	
Benzene	0.182	0.050	"	25	"	"	12/13/2017	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	2.31	0.050	"	"	"	"	"	
Xylenes, total	13.6	0.498	"	250	"	"	12/14/2017	
Napthalene	1.80	0.175	"	25	"	"	12/13/2017	

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	12/14/2017	
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Surrogate: Toluene-d8	107 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-07@4-6  
 12/13/2017 2:54:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-07 (Soil)

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

Diesel (C10-C28)	115	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	
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Surrogate: o-Terphenyl	83.4 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	72.7	5.00	mg/kg	25	B7L1309	12/13/2017	12/13/2017	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.380	0.050	"	"	"	"	"	
Xylenes, total	0.601	0.050	"	"	"	"	"	
Naphthalene	0.284	0.175	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	
Surrogate: Toluene-d8	85.3 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	114 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

PH-08@2-4  
 12/13/2017 3:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y712229-08 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L1310	12/13/2017	12/13/2017	U
<i>Surrogate: o-Terphenyl</i>	78.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B7L1309	12/13/2017	12/13/2017	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Napthalene	ND	0.175	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	97.3 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1309 - EPA 5030 (soil)

**Blank (B7L1309-BLK1)**

Prepared: 12/13/2017 Analyzed: 12/13/2017

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1309 - EPA 5030 (soil)**

**LCS (B7L1309-BS1)**

Prepared: 12/13/2017 Analyzed: 12/13/2017

Benzene	0.107	0.002	mg/kg	0.100		107	70-130			
Toluene	0.103	0.002	"	0.100		103	70-130			
Ethylbenzene	0.117	0.002	"	0.100		117	70-130			
m,p-Xylene	0.221	0.004	"	0.200		111	70-130			
o-Xylene	0.107	0.002	"	0.100		107	70-130			
Naphthalene	0.099	0.007	"	0.100		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1309 - EPA 5030 (soil)

Matrix Spike (B7L1309-MS1)	Source: Y712228-05			Prepared: 12/13/2017 Analyzed: 12/13/2017						
Benzene	0.118	0.002	mg/kg	0.100	ND	118	70-130			
Toluene	0.112	0.002	"	0.100	ND	112	70-130			
Ethylbenzene	0.124	0.002	"	0.100	ND	124	70-130			
m,p-Xylene	0.236	0.004	"	0.200	ND	118	70-130			
o-Xylene	0.114	0.002	"	0.100	ND	114	70-130			
Naphthalene	0.102	0.007	"	0.100	0.004	98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.7	70-130			

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1309 - EPA 5030 (soil)

Matrix Spike Dup (B7L1309-MSD1)	Source: Y712228-05			Prepared: 12/13/2017 Analyzed: 12/13/2017						
Benzene	0.102	0.002	mg/kg	0.100	ND	102	70-130	14.9	20	
Toluene	0.097	0.002	"	0.100	ND	97.1	70-130	14.6	20	
Ethylbenzene	0.108	0.002	"	0.100	ND	108	70-130	14.2	20	
m,p-Xylene	0.205	0.004	"	0.200	ND	102	70-130	14.2	20	
o-Xylene	0.098	0.002	"	0.100	ND	98.4	70-130	14.4	20	
Naphthalene	0.093	0.007	"	0.100	0.004	89.7	70-130	8.75	20	
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		106	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B7L1310 - EPA 3550B**

**Blank (B7L1310-BLK1)**

Prepared: 12/13/2017 Analyzed: 12/13/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	49		"	50.0		98.6	59-131			

**LCS (B7L1310-BS1)**

Prepared: 12/13/2017 Analyzed: 12/13/2017

Diesel (C10-C28)	1050	50.0	mg/kg	1000		105	64-121			
Surrogate: o-Terphenyl	55		"	50.0		110	59-131			

**Matrix Spike (B7L1310-MS1)**

**Source: Y712228-05**

Prepared: 12/13/2017 Analyzed: 12/13/2017

Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	53-125			
Surrogate: o-Terphenyl	52		"	50.0		104	59-131			

**Matrix Spike Dup (B7L1310-MSD1)**

**Source: Y712228-05**

Prepared: 12/13/2017 Analyzed: 12/13/2017

Diesel (C10-C28)	981	50.0	mg/kg	1000	ND	98.1	53-125	2.79	20	
Surrogate: o-Terphenyl	52		"	50.0		105	59-131			

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

---

**Notes and Definitions**

U Sample is Non-Detect.

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

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.*

---

Jen Pellegrini For Noelle Doyle Mathis, President

December 21, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Feit E #23-97HZ**

**Project Number - [none]**

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. December 20, 2017. This project is associated with Origins project number Y712369-01.

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

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

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

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

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

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



Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-22@11'	Y712369-01	Soil	December 20, 2017 11:13	12/20/2017 16:47
SS-24@14'	Y712369-02	Soil	December 20, 2017 14:30	12/20/2017 16:47
SS-25@11'	Y712369-03	Soil	December 20, 2017 14:35	12/20/2017 16:47

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 172369

Client: Eagle Env.

Client Project ID: Noble - Feit E #23-97 HZ

Checklist Completed by: Dr. L.

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

Date/time completed: 12-20-11

Airbill #: ME

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

Cooler Number/Temperature: 1 / 5.7 °C 1 / \_\_\_\_\_ °C 1 / \_\_\_\_\_ °C (Describe)

Thermometer ID: 1003

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"/>	<input checked="" type="checkbox"/>		No.
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? <b>If yes, contact client and note in narrative.</b>			<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: [Signature] (Project Manager)

12-20-11  
 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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-22@11'  
 12/20/2017 11:13:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y712369-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L2002	12/20/2017	12/20/2017	U
Surrogate: o-Terphenyl	101 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>0.545</b>	0.200	mg/kg	1	B7L1908	12/20/2017	12/20/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	<b>0.005</b>	0.002	"	"	"	"	"	
Xylenes, total	<b>0.007</b>	0.002	"	"	"	"	"	
Naphthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	118 %	70-130			"	"	"	
Surrogate: Toluene-d8	94.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**SS-24@14'**  
**12/20/2017 2:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y712369-02 (Soil)**

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

Diesel (C10-C28)	2160	50.0	mg/kg	1	B7L2002	12/20/2017	12/20/2017	
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Surrogate: o-Terphenyl	106 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1060	50.0	mg/kg	250	B7L1908	12/20/2017	12/21/2017	
Benzene	0.395	0.050	"	25	"	"	12/20/2017	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	1.84	0.498	"	250	"	"	12/21/2017	
Xylenes, total	12.2	0.498	"	"	"	"	"	
Napthalene	1.28	0.175	"	25	"	"	12/20/2017	

Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130			"	"	"	
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Surrogate: Toluene-d8	84.6 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	108 %	70-130			"	"	12/21/2017	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-25@11'  
 12/20/2017 2:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y712369-03 (Soil)

### Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7L2002	12/20/2017	12/20/2017	U
Surrogate: <i>o</i> -Terphenyl	88.4 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B7L1908	12/20/2017	12/20/2017	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)

**Blank (B7L1908-BLK1)**

Prepared: 12/19/2017 Analyzed: 12/20/2017

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)

**Blank (B7L1908-BLK2)**

Prepared: 12/19/2017 Analyzed: 12/20/2017

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)**

**LCS (B7L1908-BS1)**

Prepared: 12/19/2017 Analyzed: 12/20/2017

Benzene	0.113	0.002	mg/kg	0.100		113	70-130			
Toluene	0.112	0.002	"	0.100		112	70-130			
Ethylbenzene	0.112	0.002	"	0.100		112	70-130			
m,p-Xylene	0.226	0.004	"	0.200		113	70-130			
o-Xylene	0.111	0.002	"	0.100		111	70-130			
Naphthalene	0.113	0.007	"	0.100		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.5	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.0	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)**

**LCS (B7L1908-BS2)**

Prepared: 12/19/2017 Analyzed: 12/20/2017

Benzene	0.109	0.002	mg/kg	0.100		109	70-130			
Toluene	0.107	0.002	"	0.100		107	70-130			
Ethylbenzene	0.106	0.002	"	0.100		106	70-130			
m,p-Xylene	0.216	0.004	"	0.200		108	70-130			
o-Xylene	0.104	0.002	"	0.100		104	70-130			
Naphthalene	0.101	0.007	"	0.100		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.4	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.1	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)

Matrix Spike (B7L1908-MS1)	Source: Y712255-04			Prepared: 12/19/2017 Analyzed: 12/20/2017						
Benzene	0.107	0.002	mg/kg	0.100	ND	107	70-130			
Toluene	0.104	0.002	"	0.100	ND	104	70-130			
Ethylbenzene	0.104	0.002	"	0.100	ND	104	70-130			
m,p-Xylene	0.210	0.004	"	0.200	ND	105	70-130			
o-Xylene	0.102	0.002	"	0.100	ND	102	70-130			
Naphthalene	0.098	0.007	"	0.100	ND	97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.6	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)

Matrix Spike (B7L1908-MS2)	Source: Y712255-02			Prepared: 12/19/2017 Analyzed: 12/20/2017						
Benzene	0.107	0.002	mg/kg	0.100	ND	107	70-130			
Toluene	0.103	0.002	"	0.100	ND	103	70-130			
Ethylbenzene	0.104	0.002	"	0.100	ND	104	70-130			
m,p-Xylene	0.209	0.004	"	0.200	ND	105	70-130			
o-Xylene	0.102	0.002	"	0.100	ND	102	70-130			
Naphthalene	0.107	0.007	"	0.100	ND	107	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)

Matrix Spike Dup (B7L1908-MSD1)	Source: Y712255-04			Prepared: 12/19/2017 Analyzed: 12/20/2017						
Benzene	0.120	0.002	mg/kg	0.100	ND	120	70-130	12.0	20	
Toluene	0.116	0.002	"	0.100	ND	116	70-130	11.1	20	
Ethylbenzene	0.119	0.002	"	0.100	ND	119	70-130	13.8	20	
m,p-Xylene	0.238	0.004	"	0.200	ND	119	70-130	12.3	20	
o-Xylene	0.116	0.002	"	0.100	ND	116	70-130	12.9	20	
Naphthalene	0.120	0.007	"	0.100	ND	120	70-130	20.4	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.5	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.9	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B7L1908 - EPA 5030 (soil)

Matrix Spike Dup (B7L1908-MSD2)	Source: Y712255-02			Prepared: 12/19/2017 Analyzed: 12/20/2017						
Benzene	0.102	0.002	mg/kg	0.100	ND	102	70-130	4.52	20	
Toluene	0.099	0.002	"	0.100	ND	98.8	70-130	4.46	20	
Ethylbenzene	0.099	0.002	"	0.100	ND	99.0	70-130	4.64	20	
m,p-Xylene	0.199	0.004	"	0.200	ND	99.7	70-130	4.88	20	
o-Xylene	0.099	0.002	"	0.100	ND	98.8	70-130	3.23	20	
Naphthalene	0.102	0.007	"	0.100	ND	102	70-130	4.80	20	
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.6	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B7L2002 - EPA 3580**

**Blank (B7L2002-BLK1)**

Prepared: 12/20/2017 Analyzed: 12/20/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	47		"	50.0		94.2	59-131			

**LCS (B7L2002-BS1)**

Prepared: 12/20/2017 Analyzed: 12/20/2017

Diesel (C10-C28)	982	50.0	mg/kg	1000		98.2	64-121			
Surrogate: o-Terphenyl	53		"	50.0		105	59-131			

**Matrix Spike (B7L2002-MS1)**

**Source: Y712287-01**

Prepared: 12/20/2017 Analyzed: 12/20/2017

Diesel (C10-C28)	965	50.0	mg/kg	1000	ND	96.5	53-125			
Surrogate: o-Terphenyl	51		"	50.0		102	59-131			

**Matrix Spike Dup (B7L2002-MSD1)**

**Source: Y712287-01**

Prepared: 12/20/2017 Analyzed: 12/20/2017

Diesel (C10-C28)	978	50.0	mg/kg	1000	ND	97.8	53-125	1.35	20	
Surrogate: o-Terphenyl	53		"	50.0		106	59-131			

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Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

---

### Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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January 03, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 02, 2018. This project is associated with Origins project number Y801010-01.

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

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

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

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

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

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



Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-26@15'	Y801010-01	Soil	January 2, 2018 12:25	01/02/2018 16:30
SS-27@15'	Y801010-02	Soil	January 2, 2018 12:27	01/02/2018 16:30
SS-28@15'	Y801010-03	Soil	January 2, 2018 12:48	01/02/2018 16:30
SS-29@11'	Y801010-04	Soil	January 2, 2018 13:06	01/02/2018 16:30
SS-30@15'	Y801010-05	Soil	January 2, 2018 13:08	01/02/2018 16:30
SS-31@15'	Y801010-06	Soil	January 2, 2018 13:50	01/02/2018 16:30

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y201010 Client: Eagle Env.  
 Client Project ID: Noble Feit E #23-97HZ  
 Checklist Completed by: Dan W. Shipped Via: 14D  
 Date/time completed: 1-2-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: NR  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 4.5 °C 1 / \_\_\_\_\_ °C 1 / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 1003

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? <b>If yes, contact client and note in narrative.</b>			<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)

Date/Time Reviewed

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**SS-26@15'**  
**1/2/2018 12:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801010-01 (Soil)**

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

Diesel (C10-C28)	<b>800</b>	50.0	mg/kg	1	B8A0202	01/02/2018	01/02/2018	
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Surrogate: <i>o</i> -Terphenyl	97.1 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>170</b>	5.00	mg/kg	25	B8A0201	01/02/2018	01/02/2018	
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Benzene	ND	0.050	"	"	"	"	"	U
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Toluene	ND	0.050	"	"	"	"	"	U
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Ethylbenzene	<b>0.053</b>	0.050	"	"	"	"	"	
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Xylenes, total	<b>0.353</b>	0.050	"	"	"	"	"	
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Naphthalene	<b>0.266</b>	0.175	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"	
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Surrogate: Toluene-d8	83.5 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	119 %	70-130			"	"	"	
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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-27@15'

1/2/2018 12:27:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y801010-02 (Soil)

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

Diesel (C10-C28)	1680	50.0	mg/kg	1	B8A0202	01/02/2018	01/02/2018	
Surrogate: o-Terphenyl	105 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	941	50.0	mg/kg	250	B8A0201	01/02/2018	01/02/2018	
Benzene	0.302	0.050	"	25	"	"	01/02/2018	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	2.35	0.050	"	"	"	"	"	
Xylenes, total	8.03	0.050	"	"	"	"	"	
Naphthalene	2.12	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130			"	"	"	
Surrogate: Toluene-d8	78.0 %	70-130			"	"	01/02/2018	
Surrogate: 4-Bromofluorobenzene	116 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-28@15'

1/2/2018 12:48:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801010-03 (Soil)

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

Diesel (C10-C28)	1580	50.0	mg/kg	1	B8A0202	01/02/2018	01/02/2018	
Surrogate: o-Terphenyl	114 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	836	50.0	mg/kg	250	B8A0201	01/02/2018	01/02/2018	
Benzene	0.264	0.050	"	25	"	"	01/02/2018	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	2.22	0.050	"	"	"	"	"	
Xylenes, total	0.398	0.050	"	"	"	"	"	
Napthalene	2.05	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	
Surrogate: Toluene-d8	78.7 %	70-130			"	"	01/02/2018	
Surrogate: 4-Bromofluorobenzene	115 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-29@11'

1/2/2018 1:06:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y801010-04 (Soil)

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

Diesel (C10-C28)	5770	50.0	mg/kg	1	B8A0202	01/02/2018	01/02/2018	
Surrogate: o-Terphenyl	106 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1810	50.0	mg/kg	250	B8A0201	01/02/2018	01/02/2018	
Benzene	0.316	0.050	"	25	"	"	01/02/2018	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	3.48	0.050	"	"	"	"	"	
Xylenes, total	7.28	0.050	"	"	"	"	"	
Napthalene	2.47	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	01/02/2018	
Surrogate: 4-Bromofluorobenzene	131 %	70-130			"	"	"	S-04

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-30@15'

1/2/2018 1:08:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y801010-05 (Soil)

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

Diesel (C10-C28)	1070	50.0	mg/kg	1	B8A0202	01/02/2018	01/02/2018	
Surrogate: o-Terphenyl	109 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	791	50.0	mg/kg	250	B8A0201	01/02/2018	01/02/2018	
Benzene	0.224	0.050	"	25	"	"	01/02/2018	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	1.89	0.050	"	"	"	"	"	
Xylenes, total	4.75	0.050	"	"	"	"	"	
Naphthalene	1.88	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130			"	"	"	
Surrogate: Toluene-d8	81.0 %	70-130			"	"	01/02/2018	
Surrogate: 4-Bromofluorobenzene	114 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-31@15'

1/2/2018 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y801010-06 (Soil)

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

Diesel (C10-C28)	1360	50.0	mg/kg	1	B8A0202	01/02/2018	01/02/2018	
Surrogate: o-Terphenyl	112 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	619	50.0	mg/kg	250	B8A0201	01/02/2018	01/02/2018	
Benzene	0.068	0.050	"	25	"	"	01/02/2018	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	1.30	0.050	"	"	"	"	"	
Xylenes, total	4.13	0.050	"	"	"	"	"	
Naphthalene	1.26	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130			"	"	"	
Surrogate: Toluene-d8	85.9 %	70-130			"	"	01/02/2018	
Surrogate: 4-Bromofluorobenzene	112 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A0201 - EPA 5030 (soil)</b>										
<b>Blank (B8A0201-BLK1)</b>										
Prepared: 01/02/2018 Analyzed: 01/02/2018										
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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0201 - EPA 5030 (soil)

**LCS (B8A0201-BS1)**

Prepared: 01/02/2018 Analyzed: 01/02/2018

Benzene	0.100	0.002	mg/kg	0.100		100	70-130			
Toluene	0.106	0.002	"	0.100		106	70-130			
Ethylbenzene	0.109	0.002	"	0.100		109	70-130			
m,p-Xylene	0.228	0.004	"	0.200		114	70-130			
o-Xylene	0.111	0.002	"	0.100		111	70-130			
Naphthalene	0.092	0.007	"	0.100		91.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	57		ug/kg	62.5		90.8	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0201 - EPA 5030 (soil)

Matrix Spike (B8A0201-MS1)	Source: Y712480-02			Prepared: 01/02/2018 Analyzed: 01/02/2018						
Benzene	0.098	0.002	mg/kg	0.100	ND	98.0	70-130			
Toluene	0.094	0.002	"	0.100	ND	94.0	70-130			
Ethylbenzene	0.092	0.002	"	0.100	ND	92.2	70-130			
m,p-Xylene	0.195	0.004	"	0.200	ND	97.4	70-130			
o-Xylene	0.101	0.002	"	0.100	ND	101	70-130			
Naphthalene	0.085	0.007	"	0.100	ND	84.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0201 - EPA 5030 (soil)

Matrix Spike Dup (B8A0201-MSD1)	Source: Y712480-02			Prepared: 01/02/2018 Analyzed: 01/02/2018						
Benzene	0.103	0.002	mg/kg	0.100	ND	103	70-130	4.92	20	
Toluene	0.106	0.002	"	0.100	ND	106	70-130	11.7	20	
Ethylbenzene	0.095	0.002	"	0.100	ND	95.2	70-130	3.22	20	
m,p-Xylene	0.206	0.004	"	0.200	ND	103	70-130	5.53	20	
o-Xylene	0.106	0.002	"	0.100	ND	106	70-130	4.53	20	
Naphthalene	0.103	0.007	"	0.100	ND	103	70-130	19.7	20	
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A0202 - EPA 3550B**

**Blank (B8A0202-BLK1)**

Prepared: 01/02/2018 Analyzed: 01/02/2018

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 60 " 50.0 120 59-131

**LCS (B8A0202-BS1)**

Prepared: 01/02/2018 Analyzed: 01/02/2018

Diesel (C10-C28) 1050 50.0 mg/kg 1000 105 64-121

Surrogate: o-Terphenyl 56 " 50.0 112 59-131

**Matrix Spike (B8A0202-MS1)**

**Source: Y712480-02**

Prepared: 01/02/2018 Analyzed: 01/02/2018

Diesel (C10-C28) 1120 50.0 mg/kg 1000 ND 112 53-125

Surrogate: o-Terphenyl 70 " 50.0 141 59-131 S-04

**Matrix Spike Dup (B8A0202-MSD1)**

**Source: Y712480-02**

Prepared: 01/02/2018 Analyzed: 01/02/2018

Diesel (C10-C28) 1120 50.0 mg/kg 1000 ND 112 53-125 0.0676 20

Surrogate: o-Terphenyl 72 " 50.0 144 59-131 S-04

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.

4101 Inca Street

Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Feit E #23-97HZ

---

**Notes and Definitions**

U Sample is Non-Detect.

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

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.*

---

Noelle Doyle Mathis, President

January 04, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 03, 2018. This project is associated with Origins project number Y801036-01.

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

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

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

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

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

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



Eagle Environmental Consulting, Inc.

4101 Inca Street

Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Feit E #23-97HZ

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite-01	Y801036-01	Soil	January 3, 2018 16:15	01/03/2018 18:06
Composite-02	Y801036-02	Soil	January 3, 2018 16:20	01/03/2018 18:06
Composite-03	Y801036-03	Soil	January 3, 2018 16:25	01/03/2018 18:06
Composite-04	Y801036-04	Soil	January 3, 2018 16:30	01/03/2018 18:06
Composite-05	Y801036-05	Soil	January 3, 2018 16:35	01/03/2018 18:06
Composite-06	Y801036-06	Soil	January 3, 2018 16:40	01/03/2018 18:06
Composite-07	Y801036-07	Soil	January 3, 2018 16:45	01/03/2018 18:06
GW-01	Y801036-08	Water	January 3, 2018 13:50	01/03/2018 18:06

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

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page 1 of 1

**1001036**

**ORIGINS**  
LABORATORY, INC

Client: EAGLE ENV. CONSULTING  
 Project Manager: MARTIN ECKERT III  
 Address: 4101 INCA ST  
 Project Name: FEIT E #23-97HZ  
DENVER, CO  
 Project Number: \_\_\_\_\_  
 Telephone Number: 303-433-0474  
 Samples Collected By: ME  
 Email Address: MCE@EAGLE-ENV.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 Sampler			Other
LOMPOSITE-01	1-3-18	1615	2	X				X				X K BTEX L GRO X PDD X K METHA LEA	
LOMPOSITE-02		1620											
LOMPOSITE-03		1624											
LOMPOSITE-04		1638											
LOMPOSITE-05		1639											
LOMPOSITE-06		1640											
LOMPOSITE-07		1645											
GW-01		1750	3	X				X					
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:	
	1-3-18	1806					1-3-18	1806				Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>	

Temp Received: 37 Date Results Needed: 1/3/18

Bill to IncoB  
 LOPEL 205124

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

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y80636 Client: Eagle Env.  
 Client Project ID: Noble - Feit E #23-97HZ  
 Checklist Completed by: DM Shipped Via: HD  
 Date/time completed: 1-3-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: 1A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature:  / 3.7 °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 1003

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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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 1-3-12

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-01**

**1/3/2018 4:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801036-01 (Soil)**

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

Diesel (C10-C28)	345	50.0	mg/kg	1	B8A0302	01/03/2018	01/03/2018	
Surrogate: <i>o</i> -Terphenyl	91.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	148	5.00	mg/kg	25	B8A0303	01/03/2018	01/03/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.186	0.050	"	"	"	"	"	
Xylenes, total	1.15	0.050	"	"	"	"	"	
Naphthalene	0.531	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130			"	"	"	
Surrogate: Toluene-d8	72.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-02**

**1/3/2018 4:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801036-02 (Soil)**

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

Diesel (C10-C28)	179	50.0	mg/kg	1	B8A0302	01/03/2018	01/03/2018	
Surrogate: <i>o</i> -Terphenyl	88.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	100	5.00	mg/kg	25	B8A0303	01/03/2018	01/03/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.072	0.050	"	"	"	"	"	
Xylenes, total	0.488	0.050	"	"	"	"	"	
Naphthalene	0.353	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130			"	"	"	
Surrogate: Toluene-d8	84.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-03**

**1/3/2018 4:25:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801036-03 (Soil)**

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

Diesel (C10-C28)	339	50.0	mg/kg	1	B8A0302	01/03/2018	01/03/2018	
Surrogate: <i>o</i> -Terphenyl	92.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	130	5.00	mg/kg	25	B8A0303	01/03/2018	01/03/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.123	0.050	"	"	"	"	"	
Xylenes, total	0.730	0.050	"	"	"	"	"	
Naphthalene	0.402	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	
Surrogate: Toluene-d8	74.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %	70-130			"	"	"	

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-04**

**1/3/2018 4:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801036-04 (Soil)**

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

Diesel (C10-C28)	213	50.0	mg/kg	1	B8A0302	01/03/2018	01/03/2018	
Surrogate: o-Terphenyl	97.3 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	204	5.00	mg/kg	25	B8A0303	01/03/2018	01/03/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.254	0.050	"	"	"	"	"	
Xylenes, total	1.06	0.050	"	"	"	"	"	
Naphthalene	0.602	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	
Surrogate: Toluene-d8	104 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	113 %	70-130			"	"	"	

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 Project: Noble - Feit E #23-97HZ

**Composite-05**

**1/3/2018 4:35:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801036-05 (Soil)**

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

Diesel (C10-C28)	<b>553</b>	50.0	mg/kg	1	B8A0302	01/03/2018	01/03/2018	
Surrogate: <i>o</i> -Terphenyl	94.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>183</b>	5.00	mg/kg	25	B8A0303	01/03/2018	01/03/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	<b>0.216</b>	0.050	"	"	"	"	"	
Xylenes, total	<b>0.922</b>	0.050	"	"	"	"	"	
Naphthalene	<b>0.652</b>	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	
Surrogate: Toluene-d8	101 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	120 %	70-130			"	"	"	

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 Project: Noble - Feit E #23-97HZ

**Composite-06**

**1/3/2018 4:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801036-06 (Soil)**

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

Diesel (C10-C28)	156	50.0	mg/kg	1	B8A0302	01/03/2018	01/03/2018	
Surrogate: <i>o</i> -Terphenyl	86.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	165	5.00	mg/kg	25	B8A0303	01/03/2018	01/03/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.208	0.050	"	"	"	"	"	
Xylenes, total	1.05	0.050	"	"	"	"	"	
Naphthalene	0.604	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130			"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	121 %	70-130			"	"	"	

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-07**

**1/3/2018 4:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801036-07 (Soil)**

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

Diesel (C10-C28)	291	50.0	mg/kg	1	B8A0302	01/03/2018	01/03/2018	
Surrogate: <i>o</i> -Terphenyl	86.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	138	5.00	mg/kg	25	B8A0303	01/03/2018	01/03/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.140	0.050	"	"	"	"	"	
Xylenes, total	0.706	0.050	"	"	"	"	"	
Naphthalene	0.416	0.175	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	76.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %	70-130			"	"	"	

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Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Feit E #23-97HZ

**GW-01**

**1/3/2018 1:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**

**Y801036-08 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	4.00	ug/L	4	B8A0301	01/03/2018	01/03/2018	U
Toluene	ND	4.00	"	"	"	"	"	U
Ethylbenzene	<b>4.04</b>	4.00	"	"	"	"	"	
Xylenes, total	ND	4.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6 %	84-114			"	"	"	

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4101 Inca Street

Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0301 - EPA 5030B (Water)**

**Blank (B8A0301-BLK1)**

Prepared: 01/03/2018 Analyzed: 01/03/2018

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		94.1	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0301 - EPA 5030B (Water)**

**LCS (B8A0301-BS1)**

Prepared: 01/03/2018 Analyzed: 01/03/2018

Benzene	41.8	1.00	ug/L	50.0		83.7	73.3-129			
Toluene	43.1	1.00	"	50.0		86.1	76.2-123			
Ethylbenzene	43.1	1.00	"	50.0		86.2	73.6-130			
m,p-Xylene	87.9	2.00	"	100		87.9	76.1-126			
o-Xylene	45.5	1.00	"	50.0		91.1	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		88.3	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.1	84-114			

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0301 - EPA 5030B (Water)

Matrix Spike (B8A0301-MS1)	Source: Y801016-01			Prepared: 01/03/2018 Analyzed: 01/03/2018						
Benzene	49.6	1.00	ug/L	50.0	ND	99.2	74-130			
Toluene	50.0	1.00	"	50.0	ND	100	73-131			
Ethylbenzene	52.3	1.00	"	50.0	ND	105	76-132			
m,p-Xylene	105	2.00	"	100	0.220	105	69-139			
o-Xylene	51.4	1.00	"	50.0	ND	103	74-131			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.7	84-114			

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0301 - EPA 5030B (Water)**

Matrix Spike Dup (B8A0301-MSD1)	Source: Y801016-01			Prepared: 01/03/2018 Analyzed: 01/03/2018						
Benzene	48.9	1.00	ug/L	50.0	ND	97.8	74-130	1.38	20	
Toluene	50.0	1.00	"	50.0	ND	99.9	73-131	0.0400	20	
Ethylbenzene	52.0	1.00	"	50.0	ND	104	76-132	0.479	20	
m,p-Xylene	105	2.00	"	100	0.220	104	69-139	0.676	20	
o-Xylene	51.9	1.00	"	50.0	ND	104	74-131	0.948	20	
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		90.6	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.0	84-114			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A0303 - EPA 5030 (soil)</b>										
<b>Blank (B8A0303-BLK1)</b>										
					Prepared: 01/03/2018 Analyzed: 01/03/2018					
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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		108	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A0303 - EPA 5030 (soil)</b>										
<b>LCS (B8A0303-BS1)</b>					Prepared: 01/03/2018 Analyzed: 01/03/2018					
Benzene	0.116	0.002	mg/kg	0.100		116	70-130			
Toluene	0.117	0.002	"	0.100		117	70-130			
Ethylbenzene	0.101	0.002	"	0.100		101	70-130			
m,p-Xylene	0.214	0.004	"	0.200		107	70-130			
o-Xylene	0.109	0.002	"	0.100		109	70-130			
Naphthalene	0.107	0.007	"	0.100		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	59		ug/kg	62.5		94.1	70-130			
Surrogate: Toluene-d8	63		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0303 - EPA 5030 (soil)

Matrix Spike (B8A0303-MS1)	Source: Y801026-01			Prepared: 01/03/2018 Analyzed: 01/03/2018						
Benzene	0.109	0.002	mg/kg	0.100	ND	109	70-130			
Toluene	0.108	0.002	"	0.100	ND	108	70-130			
Ethylbenzene	0.101	0.002	"	0.100	ND	101	70-130			
m,p-Xylene	0.211	0.004	"	0.200	ND	105	70-130			
o-Xylene	0.105	0.002	"	0.100	ND	105	70-130			
Naphthalene	0.091	0.007	"	0.100	ND	90.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.0	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0303 - EPA 5030 (soil)

Matrix Spike Dup (B8A0303-MSD1)	Source: Y801026-01			Prepared: 01/03/2018 Analyzed: 01/03/2018						
Benzene	0.108	0.002	mg/kg	0.100	ND	108	70-130	0.516	20	
Toluene	0.108	0.002	"	0.100	ND	108	70-130	0.777	20	
Ethylbenzene	0.098	0.002	"	0.100	ND	98.1	70-130	3.29	20	
m,p-Xylene	0.204	0.004	"	0.200	ND	102	70-130	3.22	20	
o-Xylene	0.104	0.002	"	0.100	ND	104	70-130	1.76	20	
Naphthalene	0.094	0.007	"	0.100	ND	93.7	70-130	3.19	20	
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.7	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A0302 - EPA 3580**

**Blank (B8A0302-BLK1)**

Prepared: 01/03/2018 Analyzed: 01/03/2018

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 45 " 50.0 90.7 59-131

**Blank (B8A0302-BLK2)**

Prepared: 01/03/2018 Analyzed: 01/03/2018

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 52 " 50.0 104 59-131

**LCS (B8A0302-BS1)**

Prepared: 01/03/2018 Analyzed: 01/03/2018

Diesel (C10-C28) 948 50.0 mg/kg 1000 94.8 64-121

Surrogate: o-Terphenyl 51 " 50.0 102 59-131

**LCS (B8A0302-BS2)**

Prepared: 01/03/2018 Analyzed: 01/03/2018

Diesel (C10-C28) 1010 50.0 mg/kg 1000 101 64-121

Surrogate: o-Terphenyl 57 " 50.0 114 59-131

**Matrix Spike (B8A0302-MS1)**

Source: Y801012-01

Prepared: 01/03/2018 Analyzed: 01/03/2018

Diesel (C10-C28) 1030 50.0 mg/kg 1000 ND 103 53-125

Surrogate: o-Terphenyl 58 " 50.0 115 59-131

**Matrix Spike (B8A0302-MS2)**

Source: Y801036-02

Prepared: 01/03/2018 Analyzed: 01/03/2018

Diesel (C10-C28) 1380 50.0 mg/kg 1000 179 120 53-125

Surrogate: o-Terphenyl 58 " 50.0 116 59-131

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A0302 - EPA 3580**

<b>Matrix Spike Dup (B8A0302-MSD1)</b>		<b>Source: Y801012-01</b>			Prepared: 01/03/2018 Analyzed: 01/03/2018					
Diesel (C10-C28)	971	50.0	mg/kg	1000	ND	97.1	53-125	5.71	20	
Surrogate: o-Terphenyl	52		"	50.0		104	59-131			
<b>Matrix Spike Dup (B8A0302-MSD2)</b>		<b>Source: Y801036-02</b>			Prepared: 01/03/2018 Analyzed: 01/03/2018					
Diesel (C10-C28)	1300	50.0	mg/kg	1000	179	113	53-125	5.52	20	
Surrogate: o-Terphenyl	57		"	50.0		115	59-131			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

4101 Inca Street

Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Feit E #23-97HZ

---

**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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---

Noelle Doyle Mathis, President

January 05, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 04, 2018. This project is associated with Origins project number Y801057-01.

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

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

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

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

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

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



Eagle Environmental Consulting, Inc.

4101 Inca Street

Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Feit E #23-97HZ

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite-08	Y801057-01	Soil	January 4, 2018 16:07	01/04/2018 17:55
Composite-09	Y801057-02	Soil	January 4, 2018 16:08	01/04/2018 17:55
Composite-10	Y801057-03	Soil	January 4, 2018 16:09	01/04/2018 17:55
Composite-11	Y801057-04	Soil	January 4, 2018 16:10	01/04/2018 17:55
Composite-12	Y801057-05	Soil	January 4, 2018 16:11	01/04/2018 17:55
Composite-13	Y801057-06	Soil	January 4, 2018 16:12	01/04/2018 17:55
Composite-14	Y801057-07	Soil	January 4, 2018 16:13	01/04/2018 17:55
Composite-15	Y801057-08	Soil	January 4, 2018 16:14	01/04/2018 17:55
Composite-16	Y801057-09	Soil	January 4, 2018 16:15	01/04/2018 17:55
Composite-17	Y801057-10	Soil	January 4, 2018 16:16	01/04/2018 17:55
Composite-18	Y801057-11	Soil	January 4, 2018 16:17	01/04/2018 17:55

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

www.originslaboratory.com

page 1 of 12

4601057

**ORIGINS**  
LABORATORY, INC

Client: EAGLE ENV. CONSULTING  
 Address: 4101 INCA ST  
DENVER CO  
 Telephone Number: 303-437-0479  
 Email Address: MCC@EAGLE-ENV.COM

Project Manager: MARTIN ECKERT III  
 Project Name: FEIT E HZ3-97HZ  
 Project Number: \_\_\_\_\_  
 Samples Collected By: ME

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions				
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Sample #	Other	BTEX	LEP		DICP	PHENOL		
LOM20476-08	1-4-18	1607	2	X				X					X					
LOM20476-09		1608																
LOM20476-10		1609																
LOM20476-11		1610																
LOM20476-12		1611																
LOM20476-13		1612																
LOM20476-14		1613																
LOM20476-15		1614																
LOM20476-16		1615																
LOM20476-17		1616																
Relinquished By: _____	Date: 1-4-18	Time: 1755	Time: 1755	Received By: _____	Received By: _____	Date: 1-4-18	Date: 1-4-18	Time: 1755	Time: 1755	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>								
Relinquished By: _____	Date: _____	Time: _____	Time: _____	Received By: _____	Received By: _____	Date: _____	Date: _____	Time: _____	Time: _____									

Temp Received: 33 Date Results Needed: 6 HOURS

BILL TO 1A207

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

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 1/8/1057

Client: Eagle Env.  
 Client Project ID: Noble - Feit E #23-97HZ

Checklist Completed by: DM

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

Date/time completed: 1-4-12

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

Cooler Number/Temperature: 1 / 3.3 °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C

Thermometer ID: TUC3

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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 1-4-12

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-08**

**1/4/2018 4:07:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-01 (Soil)**

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

Diesel (C10-C28)	<b>611</b>	50.0	mg/kg	1	B8A0404	01/04/2018	01/04/2018	
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Surrogate: <i>o</i> -Terphenyl	97.4 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>52.4</b>	5.00	mg/kg	25	B8A0403	"	01/05/2018	
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Benzene	ND	0.050	"	"	"	"	"	U
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Toluene	ND	0.050	"	"	"	"	"	U
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Ethylbenzene	ND	0.050	"	"	"	"	"	U
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Xylenes, total	<b>0.206</b>	0.050	"	"	"	"	"	
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Naphthalene	<b>0.224</b>	0.175	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
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Surrogate: Toluene-d8	99.3 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-09**

**1/4/2018 4:08:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-02 (Soil)**

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

Diesel (C10-C28)	297	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
Surrogate: <i>o</i> -Terphenyl	87.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	51.8	5.00	mg/kg	25	B8A0403	"	01/05/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	0.247	0.050	"	"	"	"	"	
Naphthalene	0.298	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-10**

**1/4/2018 4:09:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-03 (Soil)**

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

Diesel (C10-C28)	<b>382</b>	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
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Surrogate: <i>o</i> -Terphenyl	91.2 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>81.4</b>	5.00	mg/kg	25	B8A0403	"	01/05/2018	
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Benzene	ND	0.050	"	"	"	"	"	U
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Toluene	ND	0.050	"	"	"	"	"	U
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Ethylbenzene	<b>0.062</b>	0.050	"	"	"	"	"	
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Xylenes, total	<b>0.356</b>	0.050	"	"	"	"	"	
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Naphthalene	<b>0.512</b>	0.175	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
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Surrogate: Toluene-d8	103 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"	
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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-11**

**1/4/2018 4:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-04 (Soil)**

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

Diesel (C10-C28)	595	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
Surrogate: <i>o</i> -Terphenyl	101 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	232	5.00	mg/kg	25	B8A0403	"	01/05/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.474	0.050	"	"	"	"	"	
Xylenes, total	2.05	0.050	"	"	"	"	"	
Naphthalene	1.16	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130			"	"	"	
Surrogate: Toluene-d8	110 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-12**

**1/4/2018 4:11:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-05 (Soil)**

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

Diesel (C10-C28)	206	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
Surrogate: <i>o</i> -Terphenyl	94.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	79.5	5.00	mg/kg	25	B8A0403	"	01/05/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.074	0.050	"	"	"	"	"	
Xylenes, total	0.412	0.050	"	"	"	"	"	
Naphthalene	0.415	0.175	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.6 %	70-130			"	"	"	

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-13**

**1/4/2018 4:12:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-06 (Soil)**

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

Diesel (C10-C28)	<b>329</b>	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
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Surrogate: <i>o</i> -Terphenyl	93.6 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>53.5</b>	5.00	mg/kg	25	B8A0403	"	01/05/2018	
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Benzene	ND	0.050	"	"	"	"	"	U
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Toluene	ND	0.050	"	"	"	"	"	U
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Ethylbenzene	ND	0.050	"	"	"	"	"	U
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Xylenes, total	<b>0.269</b>	0.050	"	"	"	"	"	
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Naphthalene	<b>0.352</b>	0.175	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	104 %	70-130			"	"	"	
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Surrogate: Toluene-d8	101 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	97.6 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-14**

**1/4/2018 4:13:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-07 (Soil)**

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

Diesel (C10-C28)	1030	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
Surrogate: <i>o</i> -Terphenyl	106 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	447	5.00	mg/kg	25	B8A0403	"	01/04/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.340	0.050	"	"	"	"	"	
Xylenes, total	1.55	0.050	"	"	"	"	"	
Naphthalene	0.689	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	114 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-15**

**1/4/2018 4:14:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-08 (Soil)**

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

Diesel (C10-C28)	308	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
Surrogate: <i>o</i> -Terphenyl	92.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	122	5.00	mg/kg	25	B8A0403	"	01/05/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.128	0.050	"	"	"	"	"	
Xylenes, total	0.134	0.050	"	"	"	"	"	
Naphthalene	0.340	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	87.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-16**

**1/4/2018 4:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-09 (Soil)**

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

Diesel (C10-C28)	393	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
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Surrogate: <i>o</i> -Terphenyl	92.5 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	158	5.00	mg/kg	25	B8A0403	"	01/04/2018	
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Benzene	ND	0.050	"	"	"	"	"	U
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Toluene	ND	0.050	"	"	"	"	"	U
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Ethylbenzene	0.208	0.050	"	"	"	"	"	
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Xylenes, total	0.258	0.050	"	"	"	"	"	
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Naphthalene	0.262	0.175	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"	
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Surrogate: Toluene-d8	81.2 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	108 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-17**

**1/4/2018 4:16:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-10 (Soil)**

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

Diesel (C10-C28)	193	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
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Surrogate: <i>o</i> -Terphenyl	92.6 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	198	5.00	mg/kg	25	B8A0403	"	01/05/2018	
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Benzene	ND	0.050	"	"	"	"	"	U
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Toluene	ND	0.050	"	"	"	"	"	U
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Ethylbenzene	0.188	0.050	"	"	"	"	"	
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Xylenes, total	0.740	0.050	"	"	"	"	"	
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Naphthalene	0.418	0.175	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	104 %	70-130			"	"	"	
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Surrogate: Toluene-d8	92.2 %	70-130			"	"	01/05/2018	
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Surrogate: 4-Bromofluorobenzene	113 %	70-130			"	"	01/05/2018	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-18**

**1/4/2018 4:17:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801057-11 (Soil)**

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

Diesel (C10-C28)	<b>230</b>	50.0	mg/kg	1	B8A0404	01/04/2018	01/05/2018	
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Surrogate: <i>o</i> -Terphenyl	87.5 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>169</b>	5.00	mg/kg	25	B8A0403	"	01/05/2018	
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Benzene	ND	0.050	"	"	"	"	"	U
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Toluene	ND	0.050	"	"	"	"	"	U
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Ethylbenzene	ND	0.050	"	"	"	"	"	U
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Xylenes, total	<b>0.302</b>	0.050	"	"	"	"	"	
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Naphthalene	<b>0.283</b>	0.175	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	
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Surrogate: Toluene-d8	77.7 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	109 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A0403 - EPA 5030 (soil)</b>										
<b>Blank (B8A0403-BLK1)</b>										
Prepared: 01/04/2018 Analyzed: 01/04/2018										
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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		108	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0403 - EPA 5030 (soil)

**LCS (B8A0403-BS1)**

Prepared: 01/04/2018 Analyzed: 01/04/2018

Benzene	0.090	0.002	mg/kg	0.100		89.8	70-130			
Toluene	0.097	0.002	"	0.100		96.6	70-130			
Ethylbenzene	0.090	0.002	"	0.100		90.2	70-130			
m,p-Xylene	0.183	0.004	"	0.200		91.7	70-130			
o-Xylene	0.094	0.002	"	0.100		93.7	70-130			
Naphthalene	0.105	0.007	"	0.100		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.6	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.7	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0403 - EPA 5030 (soil)

Matrix Spike (B8A0403-MS1)	Source: Y801056-01			Prepared: 01/04/2018 Analyzed: 01/04/2018						
Benzene	0.102	0.002	mg/kg	0.100	ND	102	70-130			
Toluene	0.113	0.002	"	0.100	ND	113	70-130			
Ethylbenzene	0.100	0.002	"	0.100	ND	100	70-130			
m,p-Xylene	0.208	0.004	"	0.200	ND	104	70-130			
o-Xylene	0.101	0.002	"	0.100	ND	101	70-130			
Naphthalene	0.104	0.007	"	0.100	ND	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.9	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0403 - EPA 5030 (soil)

Matrix Spike Dup (B8A0403-MSD1)	Source: Y801056-01			Prepared: 01/04/2018 Analyzed: 01/04/2018						
Benzene	0.091	0.002	mg/kg	0.100	ND	91.1	70-130	11.7	20	
Toluene	0.104	0.002	"	0.100	ND	104	70-130	8.00	20	
Ethylbenzene	0.097	0.002	"	0.100	ND	96.7	70-130	3.48	20	
m,p-Xylene	0.191	0.004	"	0.200	ND	95.7	70-130	8.37	20	
o-Xylene	0.098	0.002	"	0.100	ND	98.3	70-130	2.99	20	
Naphthalene	0.100	0.007	"	0.100	ND	100	70-130	3.47	20	
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.9	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.5	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A0404 - EPA 3550B**

**Blank (B8A0404-BLK1)**

Prepared: 01/04/2018 Analyzed: 01/04/2018

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

58	"	50.0	116	59-131
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**LCS (B8A0404-BS1)**

Prepared: 01/04/2018 Analyzed: 01/04/2018

Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	64-121			
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Surrogate: o-Terphenyl

57	"	50.0	113	59-131
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**Matrix Spike (B8A0404-MS1)**

**Source: Y801056-01**

Prepared: 01/04/2018 Analyzed: 01/04/2018

Diesel (C10-C28)	1120	50.0	mg/kg	1000	ND	112	53-125			
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Surrogate: o-Terphenyl

60	"	50.0	120	59-131
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**Matrix Spike Dup (B8A0404-MSD1)**

**Source: Y801056-01**

Prepared: 01/04/2018 Analyzed: 01/04/2018

Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	53-125	8.46	20	
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Surrogate: o-Terphenyl

55	"	50.0	110	59-131
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

4101 Inca Street

Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Feit E #23-97HZ

---

**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.*

---

Noelle Doyle Mathis, President



January 09, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 08, 2018. This project is associated with Origins project number Y801076-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite-19	Y801076-01	Soil	January 8, 2018 10:48	01/08/2018 12:32
Composite-20	Y801076-02	Soil	January 8, 2018 11:00	01/08/2018 12:32
Composite-21	Y801076-03	Soil	January 8, 2018 11:02	01/08/2018 12:32
Composite-22	Y801076-04	Soil	January 8, 2018 11:04	01/08/2018 12:32

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

www.originslaboratory.com

Y801076

ORIGINS

LABORATORY, INC

Client: EAGLE ENV. CONSULTING  
 Address: 4101 INCA ST.  
DENVER, CO  
 Telephone Number: 303-433-0479  
 Email Address: MCE@EAGLE-ENVIR.COM

Project Manager: MARTIN ECKERT III  
 Project Name: FEIT E #23-97HZ  
 Project Number: \_\_\_\_\_  
 Samples Collected By: MCP

page ( ) of ( )

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions									
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air/Surface Contaminant	Other			BTEX	VR0	PRL	VR0/VR6					
L01705176-19	1-8-18	1048	2	<input checked="" type="checkbox"/>							X											
L01705176-20		1100	1																			
L01705176-21		1102	1																			
L01705176-22		1104	1																			

Relinquished By: \_\_\_\_\_  
Date: 1-8-18

Received By: \_\_\_\_\_  
Date: 1-5-18

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

Temp Received: \_\_\_\_\_

Date Results Needed: NOVAE

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

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y80107C

Client: Eagle

Client Project ID: Noble - Feit E #23-97HZ

Checklist Completed by: JG

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

Date/time completed: 1/8/12

Airbill #: N/A

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

Cooler Number/Temperature: 1 1.7 °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe)

Thermometer ID: T603

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? <b>If yes, contact client and note in narrative.</b>			<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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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)

Date/Time Reviewed

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-19**  
**1/8/2018 10:48:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801076-01 (Soil)**

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

Diesel (C10-C28)	532	50.0	mg/kg	1	B8A0805	01/08/2018	01/08/2018	
Surrogate: o-Terphenyl	93.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	68.2	5.00	mg/kg	25	B8A0803	01/08/2018	01/08/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Naphthalene	0.176	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	82.7 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-20**  
**1/8/2018 11:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801076-02 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0805	01/08/2018	01/08/2018	U
<i>Surrogate: o-Terphenyl</i>	97.3 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>83.6</b>	5.00	mg/kg	25	B8A0803	01/08/2018	01/08/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Napthalene	<b>0.241</b>	0.175	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	82.8 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	109 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-21**  
**1/8/2018 11:02:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801076-03 (Soil)**

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

Diesel (C10-C28)	987	50.0	mg/kg	1	B8A0805	01/08/2018	01/08/2018	
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Surrogate: o-Terphenyl	97.0 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	62.7	5.00	mg/kg	25	B8A0803	01/08/2018	01/08/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Naphthalene	ND	0.175	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	81.1 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-22**  
**1/8/2018 11:04:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801076-04 (Soil)**

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

Diesel (C10-C28)	88.1	50.0	mg/kg	1	B8A0805	01/08/2018	01/08/2018	
Surrogate: o-Terphenyl	91.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	88.9	5.00	mg/kg	25	B8A0803	01/08/2018	01/08/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Naphthalene	0.211	0.175	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	81.2 %	70-130			"	"	"	
Surrogate: Toluene-d8	101 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0803 - EPA 5030 (soil)**

**Blank (B8A0803-BLK1)**

Prepared: 01/08/2018 Analyzed: 01/08/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0803 - EPA 5030 (soil)**

**LCS (B8A0803-BS1)**

Prepared: 01/08/2018 Analyzed: 01/08/2018

Benzene	0.096	0.002	mg/kg	0.100		95.9	70-130			
Toluene	0.104	0.002	"	0.100		104	70-130			
Ethylbenzene	0.100	0.002	"	0.100		99.9	70-130			
m,p-Xylene	0.201	0.004	"	0.200		101	70-130			
o-Xylene	0.100	0.002	"	0.100		99.7	70-130			
Naphthalene	0.099	0.007	"	0.100		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.3	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0803 - EPA 5030 (soil)

Matrix Spike (B8A0803-MS1)	Source: Y801065-01			Prepared: 01/08/2018 Analyzed: 01/08/2018						
Benzene	0.099	0.002	mg/kg	0.100	ND	99.3	70-130			
Toluene	0.111	0.002	"	0.100	ND	111	70-130			
Ethylbenzene	0.103	0.002	"	0.100	ND	103	70-130			
m,p-Xylene	0.210	0.004	"	0.200	ND	105	70-130			
o-Xylene	0.103	0.002	"	0.100	ND	103	70-130			
Naphthalene	0.097	0.007	"	0.100	ND	97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.0	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0803 - EPA 5030 (soil)

Matrix Spike Dup (B8A0803-MSD1)	Source: Y801065-01			Prepared: 01/08/2018 Analyzed: 01/08/2018						
Benzene	0.103	0.002	mg/kg	0.100	ND	103	70-130	3.70	20	
Toluene	0.113	0.002	"	0.100	ND	113	70-130	1.68	20	
Ethylbenzene	0.109	0.002	"	0.100	ND	109	70-130	5.55	20	
m,p-Xylene	0.218	0.004	"	0.200	ND	109	70-130	3.74	20	
o-Xylene	0.108	0.002	"	0.100	ND	108	70-130	4.51	20	
Naphthalene	0.103	0.007	"	0.100	ND	103	70-130	5.49	20	
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		96.8	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A0805 - EPA 3580**

**Blank (B8A0805-BLK1)**

Prepared: 01/08/2018 Analyzed: 01/08/2018

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

48			"	50.0		95.1	59-131			
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**LCS (B8A0805-BS1)**

Prepared: 01/08/2018 Analyzed: 01/08/2018

Diesel (C10-C28)	976	50.0	mg/kg	1000		97.6	64-121			
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Surrogate: o-Terphenyl

52			"	50.0		104	59-131			
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**Matrix Spike (B8A0805-MS1)**

**Source: Y801076-01**

Prepared: 01/08/2018 Analyzed: 01/08/2018

Diesel (C10-C28)	1500	50.0	mg/kg	1000	532	96.6	53-125			
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Surrogate: o-Terphenyl

58			"	50.0		115	59-131			
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**Matrix Spike Dup (B8A0805-MSD1)**

**Source: Y801076-01**

Prepared: 01/08/2018 Analyzed: 01/08/2018

Diesel (C10-C28)	1480	50.0	mg/kg	1000	532	94.7	53-125	1.28	20	
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Surrogate: o-Terphenyl

56			"	50.0		112	59-131			
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

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**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.*

---

Jen Pellegrini For Noelle Doyle Mathis, President



January 10, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Feit E #23-97HZ**

**Project Number - [none]**

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 09, 2018. This project is associated with Origins project number Y801119-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-32@11'	Y801119-01	Soil	January 9, 2018 9:52	01/09/2018 17:06
SS-34@11'	Y801119-02	Soil	January 9, 2018 9:56	01/09/2018 17:06
SS-35@11'	Y801119-03	Soil	January 9, 2018 9:58	01/09/2018 17:06
SS-37@11'	Y801119-04	Soil	January 9, 2018 11:44	01/09/2018 17:06
SS-39@11'	Y801119-05	Soil	January 9, 2018 12:10	01/09/2018 17:06
SS40@11'	Y801119-06	Soil	January 9, 2018 12:48	01/09/2018 17:06
SS41@11'	Y801119-07	Soil	January 9, 2018 12:46	01/09/2018 17:06
SS42@11'	Y801119-08	Soil	January 9, 2018 12:50	01/09/2018 17:06

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

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 page 1 of 1

**ORIGINS**  
 LABORATORY, INC

Client: EAGLE ENV. CONSULTING  
 Address: 4101 INCA ST.  
DENVER CO  
 Telephone Number: 303-433-0479  
 Email Address: MCE@EAGLE-ENV.COM

Project Manager: MARTIN ECKERT III  
 Project Name: FEIT E #23-97HZ  
 Project Number: \_\_\_\_\_  
 Samples Collected By: KP

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis			Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other	B37	B20		B20
55-32@11'	1-9-18	0952	2	X				X				X	X		
55-34@11'		0956													
55-35@11'		0958													
55-37@11'		1144													
55-39@11'		1210													
55-40@11'		1246													
55-41@11'		1246													
55-42@11'		1250													

Relinquished By: \_\_\_\_\_ Date: 1-9-18 Time: 1200  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Temp Received: 5.8  
 Date Results Needed: 1-1-18  
 Turnaround Time:  24 Hr  48 Hr  72 Hr

Temp Received: \_\_\_\_\_ Date Results Needed: \_\_\_\_\_

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 780119 Client: Eagle Env  
 Client Project ID: Noble - Feit E #23-97HZ  
 Checklist Completed by: D. Lu Shipped Via: HT  
 Date/time completed: 1-9-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: NA  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature:  / 5.8 °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 1003

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? <b>If yes, contact client and note in narrative.</b>			<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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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 1-9-12

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-32@11'  
 1/9/2018 9:52:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y801119-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	U
<i>Surrogate: o-Terphenyl</i>	98.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8A0903	01/09/2018	01/10/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	117 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.1 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-34@11'  
 1/9/2018 9:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y801119-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	U
Surrogate: o-Terphenyl	85.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>0.262</b>	0.200	mg/kg	1	B8A0903	01/09/2018	01/10/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	<b>0.010</b>	0.002	"	"	"	"	"	
Xylenes, total	<b>0.011</b>	0.002	"	"	"	"	"	
Naphthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**SS-35@11'**  
**1/9/2018 9:58:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801119-03 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	U
Surrogate: <i>o</i> -Terphenyl	86.5 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>1.11</b>	0.200	mg/kg	1	B8A0903	01/09/2018	01/10/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	<b>0.070</b>	0.002	"	"	"	"	"	
Xylenes, total	<b>0.103</b>	0.002	"	"	"	"	"	
Naphthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130			"	"	"	
Surrogate: Toluene-d8	93.0 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-37@11'  
 1/9/2018 11:44:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801119-04 (Soil)

### Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	U
Surrogate: o-Terphenyl	90.5 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	<b>0.760</b>	0.200	mg/kg	1	B8A0903	01/09/2018	01/10/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	<b>0.008</b>	0.002	"	"	"	"	"	
Xylenes, total	<b>0.009</b>	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-39@11'  
 1/9/2018 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801119-05 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	U
Surrogate: o-Terphenyl	90.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B8A0903	01/09/2018	01/09/2018	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Napthalene	ND	0.175	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	83.3 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.6 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	90.6 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS40@11'  
 1/9/2018 12:48:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801119-06 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	U
Surrogate: o-Terphenyl	92.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B8A0903	01/09/2018	01/09/2018	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Napthalene	ND	0.175	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.6 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS41@11'  
 1/9/2018 12:46:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801119-07 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	U
Surrogate: o-Terphenyl	92.9 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B8A0903	01/09/2018	01/09/2018	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Napthalene	ND	0.175	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.7 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS42@11'  
 1/9/2018 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801119-08 (Soil)

### Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	998	50.0	mg/kg	1	B8A0904	01/09/2018	01/09/2018	
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Surrogate: o-Terphenyl	115 %	59-131			"	"	"	
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### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	324	5.00	mg/kg	25	B8A0903	01/09/2018	01/09/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.088	0.050	"	"	"	"	"	
Xylenes, total	0.388	0.050	"	"	"	"	"	
Naphthalene	0.342	0.175	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.2 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)**

**Blank (B8A0903-BLK1)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)

**Blank (B8A0903-BLK2)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)**

**LCS (B8A0903-BS1)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

Benzene	0.084	0.002	mg/kg	0.100		84.3	70-130			
Toluene	0.092	0.002	"	0.100		91.8	70-130			
Ethylbenzene	0.085	0.002	"	0.100		84.6	70-130			
m,p-Xylene	0.170	0.004	"	0.200		85.2	70-130			
o-Xylene	0.085	0.002	"	0.100		84.7	70-130			
Naphthalene	0.090	0.007	"	0.100		89.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.5	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.5	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)**

**LCS (B8A0903-BS2)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

Benzene	0.081	0.002	mg/kg	0.100		80.9	70-130			
Toluene	0.087	0.002	"	0.100		86.8	70-130			
Ethylbenzene	0.082	0.002	"	0.100		81.5	70-130			
m,p-Xylene	0.163	0.004	"	0.200		81.5	70-130			
o-Xylene	0.082	0.002	"	0.100		82.3	70-130			
Naphthalene	0.086	0.007	"	0.100		86.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.9	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)

Matrix Spike (B8A0903-MS1)	Source: Y801105-01			Prepared: 01/09/2018 Analyzed: 01/10/2018						
Benzene	0.092	0.002	mg/kg	0.100	ND	91.7	70-130			
Toluene	0.100	0.002	"	0.100	ND	99.6	70-130			
Ethylbenzene	0.092	0.002	"	0.100	ND	92.1	70-130			
m,p-Xylene	0.181	0.004	"	0.200	ND	90.7	70-130			
o-Xylene	0.092	0.002	"	0.100	ND	92.3	70-130			
Naphthalene	0.083	0.007	"	0.100	ND	82.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		98.4	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)

Matrix Spike (B8A0903-MS2)	Source: Y801105-03			Prepared: 01/09/2018 Analyzed: 01/09/2018						
Benzene	0.096	0.002	mg/kg	0.100	ND	96.1	70-130			
Toluene	0.104	0.002	"	0.100	ND	104	70-130			
Ethylbenzene	0.095	0.002	"	0.100	ND	95.2	70-130			
m,p-Xylene	0.192	0.004	"	0.200	ND	95.8	70-130			
o-Xylene	0.095	0.002	"	0.100	ND	94.7	70-130			
Naphthalene	0.077	0.007	"	0.100	ND	77.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.3	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)

Matrix Spike Dup (B8A0903-MSD1)	Source: Y801105-01			Prepared: 01/09/2018 Analyzed: 01/09/2018						
Benzene	0.108	0.002	mg/kg	0.100	ND	108	70-130	16.4	20	
Toluene	0.120	0.002	"	0.100	ND	120	70-130	18.8	20	
Ethylbenzene	0.118	0.002	"	0.100	ND	118	70-130	24.2	20	QR-02
m,p-Xylene	0.235	0.004	"	0.200	ND	118	70-130	25.9	20	QR-02
o-Xylene	0.115	0.002	"	0.100	ND	115	70-130	22.2	20	QR-02
Naphthalene	0.108	0.007	"	0.100	ND	108	70-130	26.0	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A0903 - EPA 5030 (soil)

Matrix Spike Dup (B8A0903-MSD2)	Source: Y801105-03			Prepared: 01/09/2018 Analyzed: 01/09/2018						
Benzene	0.085	0.002	mg/kg	0.100	ND	84.9	70-130	12.4	20	
Toluene	0.090	0.002	"	0.100	ND	90.3	70-130	13.8	20	
Ethylbenzene	0.081	0.002	"	0.100	ND	81.4	70-130	15.7	20	
m,p-Xylene	0.163	0.004	"	0.200	ND	81.7	70-130	15.9	20	
o-Xylene	0.082	0.002	"	0.100	ND	82.3	70-130	14.0	20	
Naphthalene	0.072	0.007	"	0.100	ND	71.7	70-130	7.20	20	
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A0904 - EPA 3580**

**Blank (B8A0904-BLK1)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 56 " 50.0 111 59-131

**Blank (B8A0904-BLK2)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 48 " 50.0 96.1 59-131

**LCS (B8A0904-BS1)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

Diesel (C10-C28) 1030 50.0 mg/kg 1000 103 64-121

Surrogate: o-Terphenyl 54 " 50.0 107 59-131

**LCS (B8A0904-BS2)**

Prepared: 01/09/2018 Analyzed: 01/09/2018

Diesel (C10-C28) 954 50.0 mg/kg 1000 95.4 64-121

Surrogate: o-Terphenyl 50 " 50.0 101 59-131

**Matrix Spike (B8A0904-MS1)**

Source: Y801105-01

Prepared: 01/09/2018 Analyzed: 01/09/2018

Diesel (C10-C28) 986 50.0 mg/kg 1000 ND 98.6 53-125

Surrogate: o-Terphenyl 50 " 50.0 99.2 59-131

**Matrix Spike (B8A0904-MS2)**

Source: Y801105-03

Prepared: 01/09/2018 Analyzed: 01/09/2018

Diesel (C10-C28) 959 50.0 mg/kg 1000 ND 95.9 53-125

Surrogate: o-Terphenyl 52 " 50.0 103 59-131

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A0904 - EPA 3580**

<b>Matrix Spike Dup (B8A0904-MSD1)</b>		<b>Source: Y801105-01</b>			Prepared: 01/09/2018 Analyzed: 01/09/2018					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	53-125	6.56	20	
Surrogate: o-Terphenyl	57		"	50.0		113	59-131			
<b>Matrix Spike Dup (B8A0904-MSD2)</b>		<b>Source: Y801105-03</b>			Prepared: 01/09/2018 Analyzed: 01/09/2018					
Diesel (C10-C28)	937	50.0	mg/kg	1000	ND	93.7	53-125	2.33	20	
Surrogate: o-Terphenyl	50		"	50.0		99.8	59-131			

Origins Laboratory, Inc.



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4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

---

### Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

---

Jen Pellegrini For Noelle Doyle Mathis, President



January 11, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 10, 2018. This project is associated with Origins project number Y801136-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-02	Y801136-01	Water	January 10, 2018 9:30	01/10/2018 17:19
GW-03	Y801136-02	Water	January 10, 2018 9:35	01/10/2018 17:19
SS-43@12'	Y801136-03	Soil	January 10, 2018 8:13	01/10/2018 17:19
SS-44@12'	Y801136-04	Soil	January 10, 2018 8:15	01/10/2018 17:19
SS-45@11'	Y801136-05	Soil	January 10, 2018 8:46	01/10/2018 17:19
SS-46@11'	Y801136-06	Soil	January 10, 2018 8:48	01/10/2018 17:19
SS-47@11'	Y801136-07	Soil	January 10, 2018 8:50	01/10/2018 17:19

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y 201136 Client: Eagle Env.  
 Client Project ID: Noble - Feit E #23-97HZ  
 Checklist Completed by: [Signature] Shipped Via: [Signature]  
 Date/time completed: 1-10-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: [Signature]  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature:  / 4.6 °C  / \_\_\_\_\_ °C  / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
 Thermometer ID: 1003

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 1-10-12

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.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**GW-02**  
**1/10/2018 9:30:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801136-01 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	4.00	ug/L	4	B8A1001	01/10/2018	01/10/2018	U
Toluene	ND	4.00	"	"	"	"	"	U
Ethylbenzene	ND	4.00	"	"	"	"	"	U
Xylenes, total	ND	4.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	110 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	84-114			"	"	"	

Origins Laboratory, Inc.



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4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

**GW-03**  
**1/10/2018 9:35:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801136-02 (Water)**

**BTEX by EPA 8260C**

Benzene	ND	4.00	ug/L	4	B8A1001	01/10/2018	01/10/2018	U
Toluene	ND	4.00	"	"	"	"	"	U
Ethylbenzene	ND	4.00	"	"	"	"	"	U
Xylenes, total	ND	4.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-43@12'

1/10/2018 8:13:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801136-03 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A1006	01/10/2018	01/10/2018	U
Surrogate: o-Terphenyl	101 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8A1004	"	01/10/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"	
Surrogate: Toluene-d8	98.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**SS-44@12'**  
**1/10/2018 8:15:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801136-04 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A1006	01/10/2018	01/10/2018	U
<i>Surrogate: o-Terphenyl</i>	97.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8A1004	"	01/10/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	113 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.4 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	105 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-45@11'

1/10/2018 8:46:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801136-05 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A1006	01/10/2018	01/10/2018	U
Surrogate: o-Terphenyl	97.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8A1004	"	01/10/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-46@11'  
 1/10/2018 8:48:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 Y801136-06 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A1006	01/10/2018	01/10/2018	U
Surrogate: o-Terphenyl	102 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8A1004	"	01/10/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130			"	"	"	
Surrogate: Toluene-d8	98.0 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

SS-47@11'  
 1/10/2018 8:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 Y801136-07 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8A1006	01/10/2018	01/10/2018	U
Surrogate: <i>o</i> -Terphenyl	91.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8A1004	"	01/10/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Napthalene	ND	0.007	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)**

**Blank (B8A1001-BLK1)**

Prepared: 01/10/2018 Analyzed: 01/10/2018

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	70		"	62.5		112	84-121			
Surrogate: Toluene-d8	67		"	62.5		107	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	84-114			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)**

**Blank (B8A1001-BLK2)**

Prepared: 01/10/2018 Analyzed: 01/10/2018

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	64		"	62.5	102		84-121			
Surrogate: Toluene-d8	62		"	62.5	98.7		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	98.6		84-114			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)

**LCS (B8A1001-BS1)**

Prepared: 01/10/2018 Analyzed: 01/10/2018

Benzene	49.8	1.00	ug/L	50.0		99.7	73.3-129			
Toluene	48.2	1.00	"	50.0		96.3	76.2-123			
Ethylbenzene	48.4	1.00	"	50.0		96.8	73.6-130			
m,p-Xylene	97.7	2.00	"	100		97.7	76.1-126			
o-Xylene	50.7	1.00	"	50.0		101	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.3	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.6	84-114			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)**

**LCS (B8A1001-BS2)**

Prepared: 01/10/2018 Analyzed: 01/10/2018

Benzene	51.4	1.00	ug/L	50.0		103	73.3-129			
Toluene	50.4	1.00	"	50.0		101	76.2-123			
Ethylbenzene	51.1	1.00	"	50.0		102	73.6-130			
m,p-Xylene	103	2.00	"	100		103	76.1-126			
o-Xylene	52.1	1.00	"	50.0		104	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)**

<b>Matrix Spike (B8A1001-MS1)</b>	<b>Source: Y801073-02</b>			<b>Prepared: 01/10/2018 Analyzed: 01/10/2018</b>						
Benzene	63.8	1.00	ug/L	50.0	ND	128	74-130			
Toluene	63.3	1.00	"	50.0	ND	127	73-131			
Ethylbenzene	63.8	1.00	"	50.0	ND	128	76-132			
m,p-Xylene	125	2.00	"	100	ND	125	69-139			
o-Xylene	63.4	1.00	"	50.0	ND	127	74-131			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.2	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)**

<b>Matrix Spike (B8A1001-MS2)</b>	<b>Source: Y801073-04</b>			<b>Prepared: 01/10/2018 Analyzed: 01/10/2018</b>						
Benzene	59.8	1.00	ug/L	50.0	ND	120	74-130			
Toluene	59.0	1.00	"	50.0	ND	118	73-131			
Ethylbenzene	59.2	1.00	"	50.0	ND	118	76-132			
m,p-Xylene	117	2.00	"	100	ND	117	69-139			
o-Xylene	58.5	1.00	"	50.0	ND	117	74-131			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.6	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)**

<b>Matrix Spike Dup (B8A1001-MSD1)</b>	<b>Source: Y801073-02</b>				<b>Prepared: 01/10/2018 Analyzed: 01/10/2018</b>					
Benzene	60.8	1.00	ug/L	50.0	ND	122	74-130	4.82	20	
Toluene	60.4	1.00	"	50.0	ND	121	73-131	4.58	20	
Ethylbenzene	60.7	1.00	"	50.0	ND	121	76-132	4.85	20	
m,p-Xylene	120	2.00	"	100	ND	120	69-139	4.15	20	
o-Xylene	59.8	1.00	"	50.0	ND	120	74-131	5.88	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	56		"	62.5		90.3	84-121			
<i>Surrogate: Toluene-d8</i>	62		"	62.5		99.8	85-115			
<i>Surrogate: 4-Bromofluorobenzene</i>	63		"	62.5		100	84-114			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1001 - EPA 5030B (Water)**

Matrix Spike Dup (B8A1001-MSD2)	Source: Y801073-04			Prepared: 01/10/2018 Analyzed: 01/10/2018						
Benzene	57.5	1.00	ug/L	50.0	ND	115	74-130	3.89	20	
Toluene	56.9	1.00	"	50.0	ND	114	73-131	3.64	20	
Ethylbenzene	58.1	1.00	"	50.0	ND	116	76-132	1.96	20	
m,p-Xylene	115	2.00	"	100	ND	115	69-139	1.25	20	
o-Xylene	57.7	1.00	"	50.0	ND	115	74-131	1.33	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.2	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.3	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)**

**Blank (B8A1004-BLK1)**

Prepared: 01/10/2018 Analyzed: 01/10/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	68		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)

Blank (B8A1004-BLK2)

Prepared: 01/10/2018 Analyzed: 01/10/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)**

**LCS (B8A1004-BS1)**

Prepared: 01/10/2018 Analyzed: 01/10/2018

Benzene	0.091	0.002	mg/kg	0.100		91.3	70-130			
Toluene	0.099	0.002	"	0.100		99.5	70-130			
Ethylbenzene	0.093	0.002	"	0.100		93.1	70-130			
m,p-Xylene	0.187	0.004	"	0.200		93.5	70-130			
o-Xylene	0.093	0.002	"	0.100		93.0	70-130			
Naphthalene	0.093	0.007	"	0.100		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.2	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)**

**LCS (B8A1004-BS2)**

Prepared: 01/10/2018 Analyzed: 01/10/2018

Benzene	0.092	0.002	mg/kg	0.100		92.2	70-130			
Toluene	0.102	0.002	"	0.100		102	70-130			
Ethylbenzene	0.095	0.002	"	0.100		94.8	70-130			
m,p-Xylene	0.190	0.004	"	0.200		95.0	70-130			
o-Xylene	0.095	0.002	"	0.100		94.7	70-130			
Naphthalene	0.084	0.007	"	0.100		84.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.9	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)

Matrix Spike (B8A1004-MS1)	Source: Y801097-01			Prepared: 01/10/2018 Analyzed: 01/10/2018						
Benzene	0.088	0.002	mg/kg	0.100	ND	88.5	70-130			
Toluene	0.096	0.002	"	0.100	ND	96.1	70-130			
Ethylbenzene	0.090	0.002	"	0.100	ND	90.2	70-130			
m,p-Xylene	0.179	0.004	"	0.200	ND	89.6	70-130			
o-Xylene	0.090	0.002	"	0.100	ND	89.9	70-130			
Naphthalene	0.077	0.007	"	0.100	ND	76.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)

Matrix Spike (B8A1004-MS2)	Source: Y801097-02			Prepared: 01/10/2018 Analyzed: 01/10/2018						
Benzene	0.092	0.002	mg/kg	0.100	ND	92.3	70-130			
Toluene	0.100	0.002	"	0.100	ND	99.9	70-130			
Ethylbenzene	0.095	0.002	"	0.100	ND	94.7	70-130			
m,p-Xylene	0.191	0.004	"	0.200	ND	95.7	70-130			
o-Xylene	0.097	0.002	"	0.100	ND	97.4	70-130			
Naphthalene	0.094	0.007	"	0.100	ND	93.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)

Matrix Spike Dup (B8A1004-MSD1)	Source: Y801097-01			Prepared: 01/10/2018 Analyzed: 01/10/2018						
Benzene	0.098	0.002	mg/kg	0.100	ND	97.8	70-130	10.0	20	
Toluene	0.104	0.002	"	0.100	ND	104	70-130	8.35	20	
Ethylbenzene	0.100	0.002	"	0.100	ND	100	70-130	10.4	20	
m,p-Xylene	0.202	0.004	"	0.200	ND	101	70-130	12.2	20	
o-Xylene	0.102	0.002	"	0.100	ND	102	70-130	12.2	20	
Naphthalene	0.097	0.007	"	0.100	ND	97.4	70-130	23.6	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1004 - EPA 5030 (soil)

Matrix Spike Dup (B8A1004-MSD2)	Source: Y801097-02			Prepared: 01/10/2018 Analyzed: 01/10/2018						
Benzene	0.098	0.002	mg/kg	0.100	ND	97.9	70-130	5.91	20	
Toluene	0.107	0.002	"	0.100	ND	107	70-130	7.01	20	
Ethylbenzene	0.103	0.002	"	0.100	ND	103	70-130	8.30	20	
m,p-Xylene	0.209	0.004	"	0.200	ND	104	70-130	8.73	20	
o-Xylene	0.105	0.002	"	0.100	ND	105	70-130	7.83	20	
Naphthalene	0.102	0.007	"	0.100	ND	102	70-130	8.73	20	
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A1006 - EPA 3550B**

<b>Blank (B8A1006-BLK1)</b>				Prepared: 01/10/2018 Analyzed: 01/10/2018						
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	47		"	50.0		93.9	59-131			
<b>Blank (B8A1006-BLK2)</b>				Prepared: 01/10/2018 Analyzed: 01/10/2018						
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	47		"	50.0		93.4	59-131			
<b>LCS (B8A1006-BS1)</b>				Prepared: 01/10/2018 Analyzed: 01/10/2018						
Diesel (C10-C28)	954	50.0	mg/kg	1000		95.4	64-121			
Surrogate: o-Terphenyl	53		"	50.0		105	59-131			
<b>LCS (B8A1006-BS2)</b>				Prepared: 01/10/2018 Analyzed: 01/10/2018						
Diesel (C10-C28)	945	50.0	mg/kg	1000		94.5	64-121			
Surrogate: o-Terphenyl	52		"	50.0		104	59-131			
<b>Matrix Spike (B8A1006-MS1)</b>		<b>Source: Y801097-01</b>			Prepared: 01/10/2018 Analyzed: 01/10/2018					
Diesel (C10-C28)	977	50.0	mg/kg	1000	ND	97.7	53-125			
Surrogate: o-Terphenyl	52		"	50.0		105	59-131			
<b>Matrix Spike (B8A1006-MS2)</b>		<b>Source: Y801097-02</b>			Prepared: 01/10/2018 Analyzed: 01/10/2018					
Diesel (C10-C28)	977	50.0	mg/kg	1000	ND	97.7	53-125			
Surrogate: o-Terphenyl	53		"	50.0		106	59-131			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A1006 - EPA 3550B</b>										
<b>Matrix Spike Dup (B8A1006-MSD1)</b>		<b>Source: Y801097-01</b>			Prepared: 01/10/2018 Analyzed: 01/10/2018					
Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	53-125	4.87	20	
Surrogate: o-Terphenyl	55		"	50.0		110	59-131			
<b>Matrix Spike Dup (B8A1006-MSD2)</b>		<b>Source: Y801097-02</b>			Prepared: 01/10/2018 Analyzed: 01/10/2018					
Diesel (C10-C28)	996	50.0	mg/kg	1000	ND	99.6	53-125	1.99	20	
Surrogate: o-Terphenyl	54		"	50.0		109	59-131			

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4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

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**Notes and Definitions**

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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January 22, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 11, 2018. This project is associated with Origins project number Y801156-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite-23	Y801156-01	Soil	January 11, 2018 15:48	01/11/2018 17:37
Composite-24	Y801156-02	Soil	January 11, 2018 15:49	01/11/2018 17:37
Composite-25	Y801156-03	Soil	January 11, 2018 15:50	01/11/2018 17:37
Composite-26	Y801156-04	Soil	January 11, 2018 15:51	01/11/2018 17:37
Composite-27	Y801156-05	Soil	January 11, 2018 15:52	01/11/2018 17:37
Composite-28	Y801156-06	Soil	January 11, 2018 15:53	01/11/2018 17:37
Composite-29	Y801156-07	Soil	January 11, 2018 15:54	01/11/2018 17:37
Composite-30	Y801156-08	Soil	January 11, 2018 15:55	01/11/2018 17:37

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

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page | of |

y&156

Client: EALE ENV CONSULTING  
 Address: 4101 INCA ST  
DENVER CO  
 Telephone Number: 303-433-0474  
 Email Address: MCE3@EALE-CONSULT.COM

Project Manager: MARTIN ECKERT III  
 Project Name: FEIT E #23-97HZ  
 Project Number: \_\_\_\_\_  
 Samples Collected By: MP

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Groundwater	Soil	Air/Summ #	Other	Other	Other	
COMPOSI76-23	1-11-18	1548	2	X			X						
COMPOSI76-24		1549	1										
COMPOSI76-25		1550	1										
COMPOSI76-26		1551	1										
COMPOSI76-27		1552	1										
COMPOSI76-28		1553	1										
COMPOSI76-29		1554	1										
COMPOSI76-30		1555	1										
Relinquished By:	Date:	Time:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:			
	1-11-18	1737	1737		1-11-18	1737		1-11-18	1737	Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>			

Temp Received: 5.2  
 Date Results Needed: NOBLE

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

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

**Sample Receipt Checklist**

Origins Work Order: Y921156 Client: Eagle Env  
 Client Project ID: Noble - Feit E #23-97 HZ  
 Checklist Completed by: DW Shipped Via: HD  
 Date/time completed: 1-11-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature:  15.2 °C  \_\_\_\_\_ °C  \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C  
 Thermometer ID: 1005

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? <b>If yes, contact client and note in narrative.</b>			<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 HNO3, HCL, H2SO4) / ( pH >10 for samples preserved with NaAsO2+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 1-11-12

Origins Laboratory, Inc.

*Jefe Pellegrini*

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-23**  
**1/11/2018 3:48:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-01 (Soil)**

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

Diesel (C10-C28)	329	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
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Surrogate: o-Terphenyl	91.9 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	26.0	5.00	mg/kg	25	B8A1009	01/11/2018	01/11/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Naphthalene	ND	0.175	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130			"	"	"	
Surrogate: Toluene-d8	98.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-24**  
**1/11/2018 3:49:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-02 (Soil)**

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

Diesel (C10-C28)	<b>368</b>	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
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<i>Surrogate: o-Terphenyl</i>	89.4 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>5.79</b>	0.200	mg/kg	1	B8A1009	01/11/2018	01/11/2018	
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Benzene	ND	0.002	"	"	"	"	"	U
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Toluene	ND	0.002	"	"	"	"	"	U
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Ethylbenzene	ND	0.002	"	"	"	"	"	U
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Xylenes, total	<b>0.029</b>	0.002	"	"	"	"	"	
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Naphthalene	<b>0.049</b>	0.007	"	"	"	"	"	
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	109 %	70-130			"	"	"	
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<i>Surrogate: Toluene-d8</i>	93.6 %	70-130			"	"	"	
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<i>Surrogate: 4-Bromofluorobenzene</i>	122 %	70-130			"	"	"	
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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-25**  
**1/11/2018 3:50:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-03 (Soil)**

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

Diesel (C10-C28)	221	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
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Surrogate: o-Terphenyl	88.8 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	6.66	0.200	mg/kg	1	B8A1009	01/11/2018	01/11/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.007	0.002	"	"	"	"	"	
Xylenes, total	0.116	0.002	"	"	"	"	"	
Naphthalene	0.048	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"	
Surrogate: Toluene-d8	86.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	127 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-26**  
**1/11/2018 3:51:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-04 (Soil)**

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

Diesel (C10-C28)	416	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
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Surrogate: o-Terphenyl	94.7 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	4.69	0.200	mg/kg	1	B8A1009	01/11/2018	01/11/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.002	0.002	"	"	"	"	"	
Xylenes, total	0.048	0.002	"	"	"	"	"	
Naphthalene	0.041	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"	
Surrogate: Toluene-d8	92.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	114 %	70-130			"	"	"	

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-27**  
**1/11/2018 3:52:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-05 (Soil)**

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

Diesel (C10-C28)	222	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
Surrogate: o-Terphenyl	86.5 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	8.83	0.200	mg/kg	1	B8A1009	01/11/2018	01/11/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.005	0.002	"	"	"	"	"	
Xylenes, total	0.049	0.002	"	"	"	"	"	
Naphthalene	0.055	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	
Surrogate: Toluene-d8	75.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	129 %	70-130			"	"	"	

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 Project: Noble - Feit E #23-97HZ

**Composite-28**  
**1/11/2018 3:53:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-06 (Soil)**

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

Diesel (C10-C28)	439	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
Surrogate: <i>o</i> -Terphenyl	91.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	20.2	5.00	mg/kg	25	B8A1009	01/11/2018	01/11/2018	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Naphthalene	ND	0.175	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-29**  
**1/11/2018 3:54:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-07 (Soil)**

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

Diesel (C10-C28)	210	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
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Surrogate: o-Terphenyl	89.9 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	10.0	0.200	mg/kg	1	B8A1009	01/11/2018	01/11/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.006	0.002	"	"	"	"	"	
Xylenes, total	0.058	0.002	"	"	"	"	"	
Naphthalene	0.035	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	
Surrogate: Toluene-d8	76.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	139 %	70-130			"	"	"	S-04

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-30**  
**1/11/2018 3:55:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801156-08 (Soil)**

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

Diesel (C10-C28)	335	50.0	mg/kg	1	B8A1106	01/11/2018	01/12/2018	
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Surrogate: o-Terphenyl	88.9 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	13.5	0.200	mg/kg	1	B8A1009	01/11/2018	01/12/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.016	0.002	"	"	"	"	"	
Xylenes, total	0.157	0.002	"	"	"	"	"	
Naphthalene	0.094	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	159 %	70-130			"	"	"	S-04

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)**

**Blank (B8A1009-BLK1)**

Prepared: 01/10/2018 Analyzed: 01/11/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.7	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.8	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)

Blank (B8A1009-BLK2)

Prepared: 01/11/2018 Analyzed: 01/11/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		106	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)**

**LCS (B8A1009-BS1)**

Prepared: 01/10/2018 Analyzed: 01/11/2018

Benzene	0.088	0.002	mg/kg	0.100		87.6	70-130			
Toluene	0.097	0.002	"	0.100		96.5	70-130			
Ethylbenzene	0.082	0.002	"	0.100		81.6	70-130			
m,p-Xylene	0.164	0.004	"	0.200		81.8	70-130			
o-Xylene	0.086	0.002	"	0.100		85.9	70-130			
Naphthalene	0.090	0.007	"	0.100		90.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	56		ug/kg	62.5		90.1	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.4	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)**

**LCS (B8A1009-BS2)**

Prepared: 01/11/2018 Analyzed: 01/11/2018

Benzene	0.089	0.002	mg/kg	0.100		89.0	70-130			
Toluene	0.096	0.002	"	0.100		96.4	70-130			
Ethylbenzene	0.088	0.002	"	0.100		87.7	70-130			
m,p-Xylene	0.174	0.004	"	0.200		87.2	70-130			
o-Xylene	0.089	0.002	"	0.100		88.8	70-130			
Naphthalene	0.091	0.007	"	0.100		91.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.4	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)

Matrix Spike (B8A1009-MS1)	Source: Y801133-01			Prepared: 01/10/2018 Analyzed: 01/11/2018						
Benzene	0.095	0.002	mg/kg	0.100	ND	95.1	70-130			
Toluene	0.105	0.002	"	0.100	ND	105	70-130			
Ethylbenzene	0.104	0.002	"	0.100	ND	104	70-130			
m,p-Xylene	0.205	0.004	"	0.200	ND	103	70-130			
o-Xylene	0.103	0.002	"	0.100	ND	103	70-130			
Naphthalene	0.077	0.007	"	0.100	ND	76.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.7	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)

Matrix Spike (B8A1009-MS2)	Source: Y801158-02			Prepared: 01/11/2018 Analyzed: 01/11/2018						
Benzene	0.082	0.002	mg/kg	0.100	ND	82.5	70-130			
Toluene	0.088	0.002	"	0.100	ND	87.7	70-130			
Ethylbenzene	0.078	0.002	"	0.100	ND	78.2	70-130			
m,p-Xylene	0.158	0.004	"	0.200	ND	79.0	70-130			
o-Xylene	0.082	0.002	"	0.100	ND	82.2	70-130			
Naphthalene	0.092	0.007	"	0.100	ND	92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)

Matrix Spike Dup (B8A1009-MSD1)	Source: Y801133-01			Prepared: 01/10/2018 Analyzed: 01/11/2018						
Benzene	0.091	0.002	mg/kg	0.100	ND	91.4	70-130	4.01	20	
Toluene	0.102	0.002	"	0.100	ND	102	70-130	2.68	20	
Ethylbenzene	0.105	0.002	"	0.100	ND	105	70-130	1.50	20	
m,p-Xylene	0.211	0.004	"	0.200	ND	106	70-130	2.96	20	
o-Xylene	0.105	0.002	"	0.100	ND	105	70-130	2.22	20	
Naphthalene	0.078	0.007	"	0.100	ND	77.8	70-130	1.14	20	
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.4	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1009 - EPA 5030 (soil)

Matrix Spike Dup (B8A1009-MSD2)	Source: Y801158-02			Prepared: 01/11/2018 Analyzed: 01/11/2018						
Benzene	0.086	0.002	mg/kg	0.100	ND	85.5	70-130	3.62	20	
Toluene	0.092	0.002	"	0.100	ND	92.2	70-130	4.98	20	
Ethylbenzene	0.083	0.002	"	0.100	ND	83.3	70-130	6.34	20	
m,p-Xylene	0.166	0.004	"	0.200	ND	83.1	70-130	4.97	20	
o-Xylene	0.084	0.002	"	0.100	ND	84.3	70-130	2.55	20	
Naphthalene	0.087	0.007	"	0.100	ND	87.4	70-130	5.56	20	
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A1106 - EPA 3550B**

<b>Blank (B8A1106-BLK1)</b>					Prepared: 01/11/2018 Analyzed: 01/11/2018					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	45		"	50.0		90.4	59-131			
<b>Blank (B8A1106-BLK2)</b>					Prepared: 01/11/2018 Analyzed: 01/12/2018					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	46		"	50.0		91.7	59-131			
<b>LCS (B8A1106-BS1)</b>					Prepared: 01/11/2018 Analyzed: 01/11/2018					
Diesel (C10-C28)	1020	50.0	mg/kg	1000		102	64-121			
Surrogate: o-Terphenyl	52		"	50.0		105	59-131			
<b>LCS (B8A1106-BS2)</b>					Prepared: 01/11/2018 Analyzed: 01/12/2018					
Diesel (C10-C28)	1010	50.0	mg/kg	1000		101	64-121			
Surrogate: o-Terphenyl	53		"	50.0		106	59-131			
<b>Matrix Spike (B8A1106-MS1)</b>		<b>Source: Y801158-02</b>			Prepared: 01/11/2018 Analyzed: 01/11/2018					
Diesel (C10-C28)	994	50.0	mg/kg	1000	ND	99.4	53-125			
Surrogate: o-Terphenyl	50		"	50.0		101	59-131			
<b>Matrix Spike (B8A1106-MS2)</b>		<b>Source: Y801158-03</b>			Prepared: 01/11/2018 Analyzed: 01/12/2018					
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	53-125			
Surrogate: o-Terphenyl	53		"	50.0		105	59-131			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A1106 - EPA 3550B</b>										
<b>Matrix Spike Dup (B8A1106-MSD1)</b>		<b>Source: Y801158-02</b>			Prepared: 01/11/2018 Analyzed: 01/11/2018					
Diesel (C10-C28)	964	50.0	mg/kg	1000	ND	96.4	53-125	3.07	20	
Surrogate: o-Terphenyl	51		"	50.0		103	59-131			
<b>Matrix Spike Dup (B8A1106-MSD2)</b>		<b>Source: Y801158-03</b>			Prepared: 01/11/2018 Analyzed: 01/12/2018					
Diesel (C10-C28)	912	50.0	mg/kg	1000	ND	91.2	53-125	11.1	20	
Surrogate: o-Terphenyl	50		"	50.0		101	59-131			

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Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

---

**Notes and Definitions**

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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---

Jen Pellegrini For Noelle Doyle Mathis, President



January 22, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Noble - Feit E #23-97HZ

Project Number - [none]

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 12, 2018. This project is associated with Origins project number Y801182-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite-31	Y801182-01	Soil	January 12, 2018 14:00	01/12/2018 16:50
Composite-32	Y801182-02	Soil	January 12, 2018 14:02	01/12/2018 16:50
Composite-33	Y801182-03	Soil	January 12, 2018 14:04	01/12/2018 16:50
Composite-34	Y801182-04	Soil	January 12, 2018 14:06	01/12/2018 16:50
Composite-35	Y801182-05	Soil	January 12, 2018 14:08	01/12/2018 16:50
Composite-36	Y801182-06	Soil	January 12, 2018 14:10	01/12/2018 16:50
Composite-37	Y801182-07	Soil	January 12, 2018 14:12	01/12/2018 16:50
Composite-38	Y801182-08	Soil	January 12, 2018 14:14	01/12/2018 16:50
Composite-39	Y801182-09	Soil	January 12, 2018 14:16	01/12/2018 16:50

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

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Y&B/SZ

page | of |

# ORIGINS

LABORATORY, INC

Client: EAGLE ENV. CONSULTING  
 Address: 4101 INCA ST.  
DENVER CO  
 Telephone Number: 303-433-0479  
 Email Address: MCS@EAGLE-ENV.COM

Project Manager: MARTIN ECKERT, III  
 Project Name: FEIT E #23-97HZ  
 Project Number: \_\_\_\_\_  
 Samples Collected By: KEP

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions			
				Unpreserved	HCl	HNO <sub>3</sub>	Groundwater	Soil	As Sample	Other	Other	Other		Other		
COMPOSITE-31	1-12-18	1400	2	X			X									
COMPOSITE-32		1402														
COMPOSITE-33		1404														
COMPOSITE-34		1406														
COMPOSITE-35		1408														
COMPOSITE-36		1410														
COMPOSITE-37		1412														
COMPOSITE-38		1414														
COMPOSITE-39		1416														
Relinquished By:	Date:	Time:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:	Same Day <input type="checkbox"/>	48 Hr <input type="checkbox"/>	72 Hr <input type="checkbox"/>			
	1-12-18	1650	1650	[Signature]	1-12-18	1650	[Signature]	1-12-18	1650		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Temp Received: 5.7  
 Date Results Needed: 1/19/18  
 \* BILL TO 1A6073

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4801-82

Client: Eagle Env.

Client Project ID: Noble - Feit E 23-97 HZ

Checklist Completed by: J. Pellegrini

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

Date/time completed: 1-12-12

Airbill #: NA

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

Cooler Number/Temperature: 15.7 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)

Thermometer ID: 1003

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? <b>If yes, contact client and note in narrative.</b>			<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) J. Pellegrini

Date/Time Reviewed 1-12-12

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-31**  
**1/12/2018 2:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-01 (Soil)**

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

Diesel (C10-C28)	145	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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Surrogate: o-Terphenyl	99.2 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	3.10	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
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Benzene	ND	0.002	"	"	"	"	"	U
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Toluene	ND	0.002	"	"	"	"	"	U
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Ethylbenzene	ND	0.002	"	"	"	"	"	U
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Xylenes, total	0.034	0.002	"	"	"	"	"	
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Naphthalene	0.025	0.007	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"	
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Surrogate: Toluene-d8	88.9 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	115 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-32**  
**1/12/2018 2:02:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-02 (Soil)**

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

Diesel (C10-C28)	167	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
Surrogate: o-Terphenyl	101 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1.44	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Naphthalene	0.013	0.007	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	119 %	70-130			"	"	"	
Surrogate: Toluene-d8	94.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	111 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-33**  
**1/12/2018 2:04:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-03 (Soil)**

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

Diesel (C10-C28)	354	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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Surrogate: o-Terphenyl	107 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	4.04	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
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Benzene	ND	0.002	"	"	"	"	"	U
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Toluene	ND	0.002	"	"	"	"	"	U
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Ethylbenzene	ND	0.002	"	"	"	"	"	U
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Xylenes, total	0.021	0.002	"	"	"	"	"	
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Naphthalene	0.040	0.007	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	114 %	70-130			"	"	"	
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Surrogate: Toluene-d8	89.9 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	120 %	70-130			"	"	"	
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 Project: Noble - Feit E #23-97HZ

**Composite-34**  
**1/12/2018 2:06:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-04 (Soil)**

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

Diesel (C10-C28)	<b>226</b>	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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<i>Surrogate: o-Terphenyl</i>	103 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>4.27</b>	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
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Benzene	ND	0.002	"	"	"	"	"	U
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Toluene	ND	0.002	"	"	"	"	"	U
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Ethylbenzene	ND	0.002	"	"	"	"	"	U
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Xylenes, total	<b>0.038</b>	0.002	"	"	"	"	"	
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Napthalene	<b>0.042</b>	0.007	"	"	"	"	"	
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	112 %	70-130			"	"	"	
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<i>Surrogate: Toluene-d8</i>	90.6 %	70-130			"	"	"	
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<i>Surrogate: 4-Bromofluorobenzene</i>	119 %	70-130			"	"	"	
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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-35**  
**1/12/2018 2:08:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-05 (Soil)**

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

Diesel (C10-C28)	216	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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Surrogate: <i>o</i> -Terphenyl	106 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	2.56	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
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Benzene	ND	0.002	"	"	"	"	"	U
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Toluene	ND	0.002	"	"	"	"	"	U
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Ethylbenzene	ND	0.002	"	"	"	"	"	U
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Xylenes, total	0.011	0.002	"	"	"	"	"	
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Naphthalene	0.025	0.007	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	115 %	70-130			"	"	"	
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Surrogate: Toluene-d8	92.7 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	111 %	70-130			"	"	"	
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 Project: Noble - Feit E #23-97HZ

**Composite-36**  
**1/12/2018 2:10:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-06 (Soil)**

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

Diesel (C10-C28)	140	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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Surrogate: o-Terphenyl	105 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	2.84	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
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Benzene	ND	0.002	"	"	"	"	"	U
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Toluene	ND	0.002	"	"	"	"	"	U
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Ethylbenzene	ND	0.002	"	"	"	"	"	U
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Xylenes, total	0.005	0.002	"	"	"	"	"	
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Naphthalene	0.016	0.007	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"	
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Surrogate: Toluene-d8	95.6 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	113 %	70-130			"	"	"	
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**Composite-37**  
**1/12/2018 2:12:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-07 (Soil)**

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

Diesel (C10-C28)	500	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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Surrogate: o-Terphenyl	107 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	6.84	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
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Benzene	ND	0.002	"	"	"	"	"	U
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Toluene	ND	0.002	"	"	"	"	"	U
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Ethylbenzene	ND	0.002	"	"	"	"	"	U
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Xylenes, total	0.018	0.002	"	"	"	"	"	
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Naphthalene	0.053	0.007	"	"	"	"	"	
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Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"	
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Surrogate: Toluene-d8	76.9 %	70-130			"	"	"	
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Surrogate: 4-Bromofluorobenzene	128 %	70-130			"	"	"	
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**Composite-38**  
**1/12/2018 2:14:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-08 (Soil)**

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

Diesel (C10-C28)	<b>432</b>	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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<i>Surrogate: o-Terphenyl</i>	113 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	<b>5.28</b>	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	<b>0.054</b>	0.002	"	"	"	"	"	
Naphthalene	<b>0.048</b>	0.007	"	"	"	"	"	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	110 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	89.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	122 %	70-130			"	"	"	

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**Composite-39**  
**1/12/2018 2:16:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801182-09 (Soil)**

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

Diesel (C10-C28)	156	50.0	mg/kg	1	B8A1206	01/12/2018	01/13/2018	
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Surrogate: o-Terphenyl	103 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	3.80	0.200	mg/kg	1	B8A1205	01/12/2018	01/13/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.005	0.002	"	"	"	"	"	
Xylenes, total	0.057	0.002	"	"	"	"	"	
Naphthalene	0.045	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"	
Surrogate: Toluene-d8	80.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	116 %	70-130			"	"	"	

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**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)**

**Blank (B8A1205-BLK1)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)**

**Blank (B8A1205-BLK2)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.7	70-130			

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)

**LCS (B8A1205-BS1)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

Benzene	0.089	0.002	mg/kg	0.100		88.7	70-130			
Toluene	0.099	0.002	"	0.100		98.8	70-130			
Ethylbenzene	0.086	0.002	"	0.100		86.3	70-130			
m,p-Xylene	0.174	0.004	"	0.200		86.9	70-130			
o-Xylene	0.089	0.002	"	0.100		89.2	70-130			
Naphthalene	0.094	0.007	"	0.100		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	59		ug/kg	62.5		94.2	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.2	70-130			

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 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)**

**LCS (B8A1205-BS2)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

Benzene	0.093	0.002	mg/kg	0.100		93.1	70-130			
Toluene	0.104	0.002	"	0.100		104	70-130			
Ethylbenzene	0.097	0.002	"	0.100		97.1	70-130			
m,p-Xylene	0.195	0.004	"	0.200		97.7	70-130			
o-Xylene	0.099	0.002	"	0.100		98.6	70-130			
Naphthalene	0.087	0.007	"	0.100		87.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	59		ug/kg	62.5		94.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)

Matrix Spike (B8A1205-MS1)	Source: Y801151-01			Prepared: 01/12/2018 Analyzed: 01/13/2018						
Benzene	0.077	0.002	mg/kg	0.100	ND	76.5	70-130			
Toluene	0.077	0.002	"	0.100	ND	77.4	70-130			
Ethylbenzene	0.068	0.002	"	0.100	ND	67.7	70-130			QM-07
m,p-Xylene	0.130	0.004	"	0.200	ND	65.2	70-130			QM-07
o-Xylene	0.068	0.002	"	0.100	ND	67.6	70-130			QM-07
Naphthalene	0.033	0.007	"	0.100	ND	33.0	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	58		ug/kg	62.5		92.8	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)

Matrix Spike (B8A1205-MS2)	Source: Y801151-02			Prepared: 01/12/2018 Analyzed: 01/13/2018						
Benzene	0.083	0.002	mg/kg	0.100	ND	82.7	70-130			
Toluene	0.086	0.002	"	0.100	ND	86.5	70-130			
Ethylbenzene	0.078	0.002	"	0.100	ND	77.9	70-130			
m,p-Xylene	0.151	0.004	"	0.200	ND	75.5	70-130			
o-Xylene	0.078	0.002	"	0.100	ND	77.8	70-130			
Naphthalene	0.041	0.007	"	0.100	ND	41.4	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.6	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)

Matrix Spike Dup (B8A1205-MSD1)	Source: Y801151-01			Prepared: 01/12/2018 Analyzed: 01/13/2018						
Benzene	0.082	0.002	mg/kg	0.100	ND	82.1	70-130	7.03	20	
Toluene	0.086	0.002	"	0.100	ND	85.6	70-130	9.99	20	
Ethylbenzene	0.074	0.002	"	0.100	ND	74.0	70-130	8.95	20	
m,p-Xylene	0.146	0.004	"	0.200	ND	73.0	70-130	11.2	20	
o-Xylene	0.076	0.002	"	0.100	ND	75.5	70-130	11.1	20	
Naphthalene	0.043	0.007	"	0.100	ND	43.2	70-130	26.7	20	QM-07, QR-03
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.6	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1205 - EPA 5030 (soil)

Matrix Spike Dup (B8A1205-MSD2)	Source: Y801151-02			Prepared: 01/12/2018 Analyzed: 01/13/2018						
Benzene	0.079	0.002	mg/kg	0.100	ND	78.8	70-130	4.81	20	
Toluene	0.081	0.002	"	0.100	ND	81.1	70-130	6.47	20	
Ethylbenzene	0.074	0.002	"	0.100	ND	74.4	70-130	4.65	20	
m,p-Xylene	0.144	0.004	"	0.200	ND	72.2	70-130	4.48	20	
o-Xylene	0.074	0.002	"	0.100	ND	73.6	70-130	5.55	20	
Naphthalene	0.030	0.007	"	0.100	ND	30.4	70-130	30.4	20	QM-07, QR-03
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A1206 - EPA 3550B**

**Blank (B8A1206-BLK1)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 40 " 50.0 80.4 59-131

**Blank (B8A1206-BLK2)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

Diesel (C10-C28) ND 50.0 mg/kg U

Surrogate: o-Terphenyl 50 " 50.0 99.9 59-131

**LCS (B8A1206-BS1)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

Diesel (C10-C28) 976 50.0 mg/kg 1000 97.6 64-121

Surrogate: o-Terphenyl 53 " 50.0 107 59-131

**LCS (B8A1206-BS2)**

Prepared: 01/12/2018 Analyzed: 01/12/2018

Diesel (C10-C28) 989 50.0 mg/kg 1000 98.9 64-121

Surrogate: o-Terphenyl 56 " 50.0 111 59-131

**Matrix Spike (B8A1206-MS1)**

Source: Y801151-01

Prepared: 01/12/2018 Analyzed: 01/12/2018

Diesel (C10-C28) 1050 50.0 mg/kg 1000 ND 105 53-125

Surrogate: o-Terphenyl 57 " 50.0 114 59-131

**Matrix Spike (B8A1206-MS2)**

Source: Y801151-02

Prepared: 01/12/2018 Analyzed: 01/12/2018

Diesel (C10-C28) 1050 50.0 mg/kg 1000 ND 105 53-125

Surrogate: o-Terphenyl 57 " 50.0 114 59-131

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A1206 - EPA 3550B</b>										
<b>Matrix Spike Dup (B8A1206-MSD1)</b>		<b>Source: Y801151-01</b>			Prepared: 01/12/2018 Analyzed: 01/12/2018					
Diesel (C10-C28)	1090	50.0	mg/kg	1000	ND	109	53-125	3.62	20	
Surrogate: o-Terphenyl	62		"	50.0		123	59-131			
<b>Matrix Spike Dup (B8A1206-MSD2)</b>		<b>Source: Y801151-02</b>			Prepared: 01/12/2018 Analyzed: 01/12/2018					
Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	53-125	4.53	20	
Surrogate: o-Terphenyl	56		"	50.0		112	59-131			

Origins Laboratory, Inc.



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4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

### Notes and Definitions

U Sample is Non-Detect.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President



January 22, 2018

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Feit E #23-97HZ**

**Project Number - [none]**

Attached are your analytical results for Noble - Feit E #23-97HZ received by Origins Laboratory, Inc. January 15, 2018. This project is associated with Origins project number Y801203-01.

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.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite-40	Y801203-01	Soil	January 15, 2018 13:30	01/15/2018 14:50

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: Y201203

Client: Eagle

Client Project ID: Noble - Feit E 23-97HZ

Checklist Completed by: JG

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

Date/time completed: 1/15/18

Airbill #: N/A

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

Cooler Number/Temperature: L 12.5 °C 1 °C 1 °C 1 °C (Describe)

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? <b>If yes, contact client and note in narrative.</b>			<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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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) JG

Date/Time Reviewed 1/16/18

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Composite-40**  
**1/15/2018 1:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y801203-01 (Soil)**

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

Diesel (C10-C28)	138	50.0	mg/kg	1	B8A1502	01/15/2018	01/15/2018	
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Surrogate: <i>o</i> -Terphenyl	85.4 %	59-131			"	"	"	
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	8.21	0.200	mg/kg	1	B8A1501	01/15/2018	01/15/2018	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.020	0.002	"	"	"	"	"	
Xylenes, total	0.029	0.002	"	"	"	"	"	
Naphthalene	0.071	0.007	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"	
Surrogate: Toluene-d8	73.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	128 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)**

**Blank (B8A1501-BLK1)**

Prepared: 01/15/2018 Analyzed: 01/15/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	70-130			

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)**

**Blank (B8A1501-BLK2)**

Prepared: 01/15/2018 Analyzed: 01/15/2018

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	0.007	"							U
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)**

**LCS (B8A1501-BS1)**

Prepared: 01/15/2018 Analyzed: 01/15/2018

Benzene	0.091	0.002	mg/kg	0.100		91.3	70-130			
Toluene	0.099	0.002	"	0.100		98.8	70-130			
Ethylbenzene	0.089	0.002	"	0.100		88.8	70-130			
m,p-Xylene	0.179	0.004	"	0.200		89.3	70-130			
o-Xylene	0.090	0.002	"	0.100		90.5	70-130			
Naphthalene	0.089	0.007	"	0.100		89.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.4	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.3	70-130			

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 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)**

**LCS (B8A1501-BS2)**

Prepared: 01/15/2018 Analyzed: 01/15/2018

Benzene	0.095	0.002	mg/kg	0.100		94.6	70-130			
Toluene	0.103	0.002	"	0.100		103	70-130			
Ethylbenzene	0.092	0.002	"	0.100		91.5	70-130			
m,p-Xylene	0.181	0.004	"	0.200		90.6	70-130			
o-Xylene	0.093	0.002	"	0.100		93.2	70-130			
Naphthalene	0.098	0.007	"	0.100		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	58		ug/kg	62.5		93.6	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.0	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)

Matrix Spike (B8A1501-MS1)	Source: Y801185-01			Prepared: 01/15/2018 Analyzed: 01/15/2018						
Benzene	0.092	0.002	mg/kg	0.100	ND	92.4	70-130			
Toluene	0.102	0.002	"	0.100	ND	102	70-130			
Ethylbenzene	0.090	0.002	"	0.100	ND	89.8	70-130			
m,p-Xylene	0.180	0.004	"	0.200	ND	90.2	70-130			
o-Xylene	0.090	0.002	"	0.100	ND	89.7	70-130			
Naphthalene	0.085	0.007	"	0.100	ND	84.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.0	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.9	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)

Matrix Spike (B8A1501-MS2)	Source: Y801202-01			Prepared: 01/15/2018 Analyzed: 01/15/2018						
Benzene	0.105	0.002	mg/kg	0.100	ND	105	70-130			
Toluene	0.095	0.002	"	0.100	ND	95.3	70-130			
Ethylbenzene	0.123	0.002	"	0.100	ND	123	70-130			
m,p-Xylene	0.276	0.004	"	0.200	ND	138	70-130			QM-07
o-Xylene	0.105	0.002	"	0.100	ND	105	70-130			
Naphthalene	0.118	0.007	"	0.100	ND	118	70-130			
Surrogate: 1,2-Dichloroethane-d4	55		ug/kg	62.5		87.3	70-130			
Surrogate: Toluene-d8	53		"	62.5		84.1	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		108	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)

Matrix Spike Dup (B8A1501-MSD1)	Source: Y801185-01			Prepared: 01/15/2018 Analyzed: 01/15/2018						
Benzene	0.095	0.002	mg/kg	0.100	ND	95.2	70-130	2.92	20	
Toluene	0.103	0.002	"	0.100	ND	103	70-130	1.21	20	
Ethylbenzene	0.093	0.002	"	0.100	ND	93.3	70-130	3.82	20	
m,p-Xylene	0.186	0.004	"	0.200	ND	92.9	70-130	2.88	20	
o-Xylene	0.094	0.002	"	0.100	ND	94.3	70-130	5.04	20	
Naphthalene	0.090	0.007	"	0.100	ND	90.1	70-130	6.27	20	
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.1	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8A1501 - EPA 5030 (soil)

Matrix Spike Dup (B8A1501-MSD2)	Source: Y801202-01			Prepared: 01/15/2018 Analyzed: 01/15/2018						
Benzene	0.101	0.002	mg/kg	0.100	ND	101	70-130	3.83	20	
Toluene	0.093	0.002	"	0.100	ND	92.7	70-130	2.81	20	
Ethylbenzene	0.117	0.002	"	0.100	ND	117	70-130	5.54	20	
m,p-Xylene	0.257	0.004	"	0.200	ND	129	70-130	6.91	20	
o-Xylene	0.100	0.002	"	0.100	ND	100	70-130	4.51	20	
Naphthalene	0.117	0.007	"	0.100	ND	117	70-130	0.682	20	
Surrogate: 1,2-Dichloroethane-d4	56		ug/kg	62.5		89.0	70-130			
Surrogate: Toluene-d8	54		"	62.5		85.6	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	70-130			

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Eagle Environmental Consulting, Inc.  
 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Volatile Organic Compounds by GC/MS SW846 8260C - 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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**Extractable Petroleum Hydrocarbons by 8015C - 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 B8A1502 - EPA 3550B**

<b>Blank (B8A1502-BLK1)</b>					Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	45		"	50.0		90.0	59-131			
<b>Blank (B8A1502-BLK2)</b>					Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	47		"	50.0		94.5	59-131			
<b>LCS (B8A1502-BS1)</b>					Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	797	50.0	mg/kg	1000		79.7	64-121			
Surrogate: o-Terphenyl	43		"	50.0		85.5	59-131			
<b>LCS (B8A1502-BS2)</b>					Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	881	50.0	mg/kg	1000		88.1	64-121			
Surrogate: o-Terphenyl	47		"	50.0		94.6	59-131			
<b>Matrix Spike (B8A1502-MS1)</b>		<b>Source: Y801185-01</b>			Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	1040	50.0	mg/kg		ND		53-125			
Surrogate: o-Terphenyl	55		"	50.0		111	59-131			
<b>Matrix Spike (B8A1502-MS2)</b>		<b>Source: Y801199-01</b>			Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	1000	50.0	mg/kg	1000	20.4	98.0	53-125			
Surrogate: o-Terphenyl	45		"	50.0		89.6	59-131			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: [none]  
 Project: Noble - Feit E #23-97HZ

**Extractable Petroleum Hydrocarbons by 8015C - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B8A1502 - EPA 3550B</b>										
<b>Matrix Spike Dup (B8A1502-MSD1)</b>		<b>Source: Y801185-01</b>			Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	941	50.0	mg/kg		ND		53-125	9.80	20	
Surrogate: o-Terphenyl	50		"	50.0		101	59-131			
<b>Matrix Spike Dup (B8A1502-MSD2)</b>		<b>Source: Y801199-01</b>			Prepared: 01/15/2018 Analyzed: 01/15/2018					
Diesel (C10-C28)	1010	50.0	mg/kg	1000	20.4	98.8	53-125	0.817	20	
Surrogate: o-Terphenyl	47		"	50.0		95.0	59-131			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Feit E #23-97HZ

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**Notes and Definitions**

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President