



June 7, 2013

Mr. Jacob Evans  
Noble Energy, Inc.  
1625 Broadway, Suite 2200  
Denver, Colorado 80202

**Field Assessment and Soil Analytical Report  
Dyer USX AB 35-67-1HN  
NE¼ NE¼ SEC.34 T7N R64W  
RD 76 & RD 55, E 9/10, S INTO  
Weld County, Colorado  
API # 05-123-34772  
Document # 2145128**

Dear Mr. Evans,

Eagle Environmental Consulting, Inc. (EAGLE) is pleased to present this Field Assessment and Soil Analytical Report to Noble Energy, Inc. (Noble) for the above referenced site.

## **1.0 SITE BACKGROUND**

EAGLE was requested by Noble, to perform surface assessment activities at the Dyer USX AB 35-67-1HN battery pad site in response to potential soil impacts associated with a stand-up treater release. An oil mist was discovered coming from the stand-up treater during field operations and reported to Noble on May 29, 2013. Due to windy and rainy weather conditions that existed during the release, the oil mist covered sections of the battery pad and extended onto the Aurora Organic Dairy (AOD) farm property located south of the site. Upon discovery, an earthen berm was constructed on the southern side of the battery pad to contain any potentially impacted surface water from migrating offsite. The top one to three inches of soil covering the battery pad was also scraped with a backhoe and disposed of offsite. Scraping and soil disposal activities were completed by Ochoa Trucking.

On May 29, 2013, an AOD representative investigated the potential impacts on the adjacent AOD farm property and fenced off a section that could have been potentially impacted by the release. The fenced section encompassed approximately 64,000 square feet and was to be assessed by Noble's third party consultant.

Approximately 130 cubic yards of petroleum hydrocarbon impacted soil was removed from the Dyer USX AB 35-67-1HN battery pad on May 29, 2013 and disposed of at the North Weld Sanitary Landfill located in Ault, CO.

On May 30, 2013, EAGLE mobilized to site to assess any remaining adsorbed petroleum hydrocarbon impacts. When EAGLE arrived on site, a Noble subcontractor was cleaning off the battery pad equipment that had been impacted from the release. EAGLE collected soil samples (SS-1 through SS-5) from the west portion of the battery pad. Approximately 150 cubic yards of petroleum hydrocarbon impacted soil was removed from the site on May 30, 2013.

On May 31, 2013, EAGLE mobilized to site to collect perimeter surface soil samples (SSF-1 through SSF-32), foliage samples (FS-1 through FS-32), background arsenic surface soil samples (AR-1 and AR-2), and discreet surface soil samples (SSF-33 through SSF-37) from within the fenced section on the AOD farm property. EAGLE also continued to collect soil samples (SS-9 through SS-36) from the Dyer USX AB 35-67-1HN battery pad. Following collection of the discreet soil samples, the top one to two inches of soil within the fenced section on the AOD farm property was scraped with a grader. The scraped soil was stockpiled on the Dyer USX AB 35-67-1HN site for disposal on June 1, 2013. Approximately 50 cubic yards of soil was removed from the site on May 31, 2013.

Following scraping activities, EAGLE mobilized to site on June 1, 2013, to collect surface soil samples (AOSS-1 through AOSS-55) within the fenced section on the AOD farm property. EAGLE also collected the remaining soil samples (SS-6 through SS-8, and SS-37 through SS-45) from the Dyer USX AB 35-67-1HN battery pad. Approximately 240 cubic yards of petroleum hydrocarbon impacted soil was removed from the site on June 1, 2013.

On Monday, June 3, 2013, Ochoa Trucking removed the remaining soil that was scraped from the fenced section on the AOD farm property (approximately 110 cubic yards).

## **2.0 SITE DESCRIPTION**

The Dyer USX AB 35-67-1HN site is located within the northeast quarter of the northeast quarter of Section 34, Township 7 north, Range 64 west of the 6<sup>th</sup> Prime Meridian. Based on records on file with the Colorado Oil and Gas Conservation Commission (COGCC), the Dyer USX AB 35-67-1HN well was completed to a total depth of 7,237 feet below ground surface (bgs). The well is located at latitude: 40.53601 and longitude -104.52772 in Weld County, Colorado. A site location map is included as Figure 1.

### **2.1 Site Hydrogeology**

Based on field observations, soil conditions observed beneath the Dyer USX AB 35-67-1HN battery pad and within the fenced section on the AOD farm property consisted of a sandy silt from the surface to approximately 16 inches bgs.

## **3.0 SOIL SAMPLING PROCEDURES**

### **3.1 Dyer USX AB 35-67-1HN Battery Pad**

Soil samples obtained from the Dyer USX AB 35-67-1HN battery pad were collected on 50 foot centers within the previously scraped area. Depths of the collected soil samples ranged from one-inch bgs to 16 inches bgs.

A portion of each sample was placed in a sealable 1-gallon plastic bag, for volatile organic compound (VOC) headspace analysis utilizing a field calibrated photoionization detector (PID). The bag was sealed and labeled with the contents allowed to volatilize for approximately five to ten minutes. Another portion of the soil sample collected from the same location was placed in a laboratory supplied, 4-ounce, glass jar and sealed for laboratory analysis. Spatial location of each soil sample was recorded using a Trimble GeoXT 6000 series instrument. Following volatilization, the bagged sample was perforated with the probe of a field portable PID, using a 10.6 electron volt (eV) lamp, to measure the organic vapor concentration within the headspace. Organic vapor concentrations were recorded in parts per million by volume (ppm-v) for each sample. Observed PID values from the soil samples collected on the Dyer USX AB 35-67-1HN battery pad ranged from 0.0 to 357 ppm-v (SS-23@1" bgs). Photoionization detector

readings observed from the battery pad soil samples are summarized in Table 1. Soil sample locations are presented in Figure 2.

Based on PID readings, 45 soil samples (SS-1 through SS-45) were placed in an iced cooler for submittal to Origins Laboratory, Inc. located in Denver, Colorado 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 8015C.

### **3.2 Aurora Organic Dairy Farm Property**

Perimeter soil and foliage samples (SSF-1 through SSF-32 and FS-1 through FS-32) were collected approximately 20 feet outside of the fenced section on the AOD farm property, to confirm impacts did not reach outside of the fenced area, on approximate 35-foot centers. Five discreet surface soil samples (SSF-33 through SSF-37) were collected within the fenced section of the AOD farm property to show the extent of impacts to the soil on the AOD property prior to scraping activities. Two additional background surface soil samples (AR-1 and AR-2) were collected approximately 40 feet outside of the fenced section on the AOD farm property for background arsenic analysis.

Following surface scraping activities within the fenced section on the AOD farm property, EAGLE collected 55 surface soil samples (AOSS-1 through AOSS-55) to confirm any potential petroleum hydrocarbon impacts had been removed. The soil samples were collected on 35-foot centers.

During soil and foliage sampling activities, a portion of each sample was placed in a sealable 1-gallon plastic bag, for VOC headspace analysis utilizing a field calibrated PID. The bag was sealed and labeled with the contents allowed to volatilize for approximately five to ten minutes. The other portion of the sample collected from the same location was placed in a laboratory supplied, 4-ounce, glass jar and sealed for laboratory analysis. Spatial location of each soil and foliage sample was also recorded using a Trimble GeoXT 6000 series instrument. Following volatilization, the bagged sample was perforated with the probe of a field portable PID, using a 10.6 eV lamp, to measure the organic vapor concentration within the headspace. Organic vapor concentrations were recorded in ppm-v for each sample. The observed PID values for the surface soil samples collected ranged from 0.0 to 4.9 ppm-v (SSF-24). The observed PID values for the foliage samples collected ranged from 0.0 to 21.1 ppm-v (FS-24). Photoionization detector readings for the AOD soil and foliage samples are summarized in Table 1.

Based on PID readings, 39 surface soil samples (SSF-1 through SSF-37, AR-1, and AR-2) and 32 foliage samples (FS-1 through FS-32) were placed in an iced cooler for submittal to eAnalytics Laboratory located in Loveland, Colorado. The surface soil and foliage samples were analyzed for BTEX, naphthalene, TPH-GRO, and TPH-DRO following modified EPA Methods 8260C and 8015C. The five discreet surface soil samples (SSF-33 through SSF-37) collected within the fenced section on the AOD farm property were also analyzed for arsenic following EPA Method 6010C. The two additional background surface soil samples (AR-1 and AR-2) were also submitted to eAnalytics laboratory for analysis of arsenic following EPA Method 6010C. Soil and foliage sample locations from outside and within the fenced section on the AOD farm property are presented in Figures 3 through 5.

## **4.0 SOIL ANALYTICAL RESULTS**

### **4.1 Dyer USX AB 35-67-1HN Battery Pad**

Based on laboratory analytical results, soil sample SS-28@3” contained a concentration of TPH-DRO exceeding the COGCC Table 910-1 regulatory limit of 500 milligrams per kilogram (mg/kg) with a concentration of 724 mg/kg. The remaining soil samples collected on the Dyer USX AB- 35-67-1HN site did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective COGCC Table 910-1 regulatory limits. Soil analytical results are summarized in Table 2 and presented in Figure 2. Soil laboratory analytical reports are included in Attachment A.

Due to the exceedance of TPH-DRO in soil sample SS-28@3”, EAGLE mobilized to site on June 4, 2013 to supervise excavation activities in the area in and around where soil sample SS-28@3” was collected. Once soil removal activities were completed, EAGLE collected five soil samples (SS-28 SW-E@6”, SS-28 SW-W@6”, SS-28 SW-N@6”, SS-28 SW-S@6”, and SS-28 Floor@1’1”) from the sidewalls and floor of the excavation for laboratory analysis of BTEX, naphthalene, TPH-GRO, and TPH-DRO following EPA Methods 8260C and 8015C. The excavated area was approximately 5 feet by 5 feet, with an approximate total depth (TD) of 13 inches. Approximately 1 cubic yard of soil was removed from the excavation and disposed of offsite.

Based on laboratory analytical results, the soil samples (SS-28 SW-E@6”, SS-28 SW-W@6”, SS-28 SW-N@6”, SS-28 SW-S@6”, and SS-28 Floor@1’1”) collected within the area of SS-28 @3” did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective COGCC Table 910-1 regulatory limits. Soil analytical results are summarized in Table 2 and presented in Figure 6. The soil laboratory analytical reports are included in Attachment A.

### **4.2 Aurora Organic Dairy Farm Property**

The surface soil samples and foliage samples collected outside of the fenced section on the AOD farm property did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective laboratory reporting limits or COGCC Table 910-1 regulatory limits. Soil analytical results are summarized in Tables 3 and 4 and presented in Figures 3 and 4. The soil laboratory analytical reports are included in Attachment A.

The two background arsenic surface soil samples (AR-1 and AR-2) and the five discreet surface soil samples (SSF-33 through SSF-37) contained concentrations of arsenic exceeding the COGCC Table 910-1 regulatory limit of 0.39 mg/kg with concentrations of 3.11 mg/kg, 2.64 mg/kg, 2.71 mg/kg, 3.09 mg/kg, 2.54 mg/kg, 3.75 mg/kg, and 1.62 mg/kg, respectively. The concentrations are within naturally occurring background levels of arsenic present on the AOD property. However, since the arsenic concentrations observed within the 7 soil samples were of similar magnitude, the observed arsenic does not appear to be associated with the release on the Dyer USX AB 35-67-1HN site.

Discreet soil sample, SS-34, contained a TPH-DRO concentration below the COGCC Table 910-1 regulatory limit of 500 mg/kg, with a concentration 122 mg/kg. The remaining discreet soil samples (SS-33, SS-35, SS-36, and SS-37) did not contain BTEX, naphthalene, TPH-GRO, or TPH-DRO concentrations exceeding their respective laboratory reporting limit or COGCC Table 910-1 regulatory limit. Soil analytical results are summarized in Table 3 and presented in Figure 3. The soil laboratory analytical reports are included in Attachment A.

The soil samples (AOSS-1 through AOSS-55) collected following scraping activities within the fenced section on the AOD farm property did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective laboratory reporting limits or COGCC Table 910-1 regulatory limits. Soil analytical results are summarized in Table 5 and presented in Figure 5. The soil laboratory analytical reports are included in Attachment A.

## 5.0 CONCLUSIONS

Based on the information collected during field assessment activities completed at the site from May 30, 2013 to June 4, 2013, EAGLE concludes the following:

- Soil samples (SS-1 through SS-27, and SS-29 through SS-45) collected from the Dyer USX AB 35-67-1HN battery pad did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective laboratory reporting limit or COGCC Table 910-1 regulatory limits.
- Soil sample SS-28@3" collected from the Dyer USX AB 35-67-1HN battery pad contained a concentration of TPH-DRO exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg with a concentration of 724 mg/kg.
- Soil samples (SS-28 SW-E@6", SS-28 SW-W@6", SS-28 SW-N@6", SS-28 SW-S@6", and SS-28 Floor@1'1") collected from the excavation at and around soil sample SS-28@3" did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective COGCC Table 910-1 regulatory limits.
- Surface soil samples (SSF-1 through SSF-37) and foliage samples (FS-1 through FS-32) collected outside of the fenced section on the AOD farm property did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective laboratory reporting limit or COGCC Table 910-1 regulatory limits.
- Background arsenic surface soil samples (AR-1 and AR-2) and the five discreet surface soil samples (SSF-33 through SSF-37) contained concentrations of arsenic exceeding the COGCC Table 910-1 regulatory limit of 0.39 mg/kg with concentrations of 3.11 mg/kg, 2.64 mg/kg, 2.71 mg/kg, 3.09 mg/kg, 2.54 mg/kg, 3.75 mg/kg, and 1.62 mg/kg, respectively. However, since the arsenic concentrations observed within the 7 soil samples were of similar magnitude of background samples, the observed arsenic is not associated with the release on the Dyer USX AB 35-67-1HN site.
- Discreet soil samples SS-33 through SS-37 collected prior to scraping activities, did not contain BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective COGCC Table 910-1 regulatory limits
- Soil samples (AOSS-1 through AOSS-55) collected following scraping activities within the fenced section on the AOD farm property, did not contain concentrations of BTEX, naphthalene, TPH-GRO, or TPH-DRO exceeding their respective laboratory reporting limit or COGCC Table 910-1 regulatory limits.
- Approximately 681 cubic yards of soil was removed from the site and disposed of at North Weld Sanitary Landfill, located in Ault, CO.

## 6.0 RECOMMENDATIONS

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

- No Further Action appears warranted at the Dyer USX AB 35-67-1HN site 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.***



Daniel Coloccia  
Project Scientist



Martin Eckert III  
Senior Project Manager

## **FIGURES**

**Figure 1: Site Location Map**

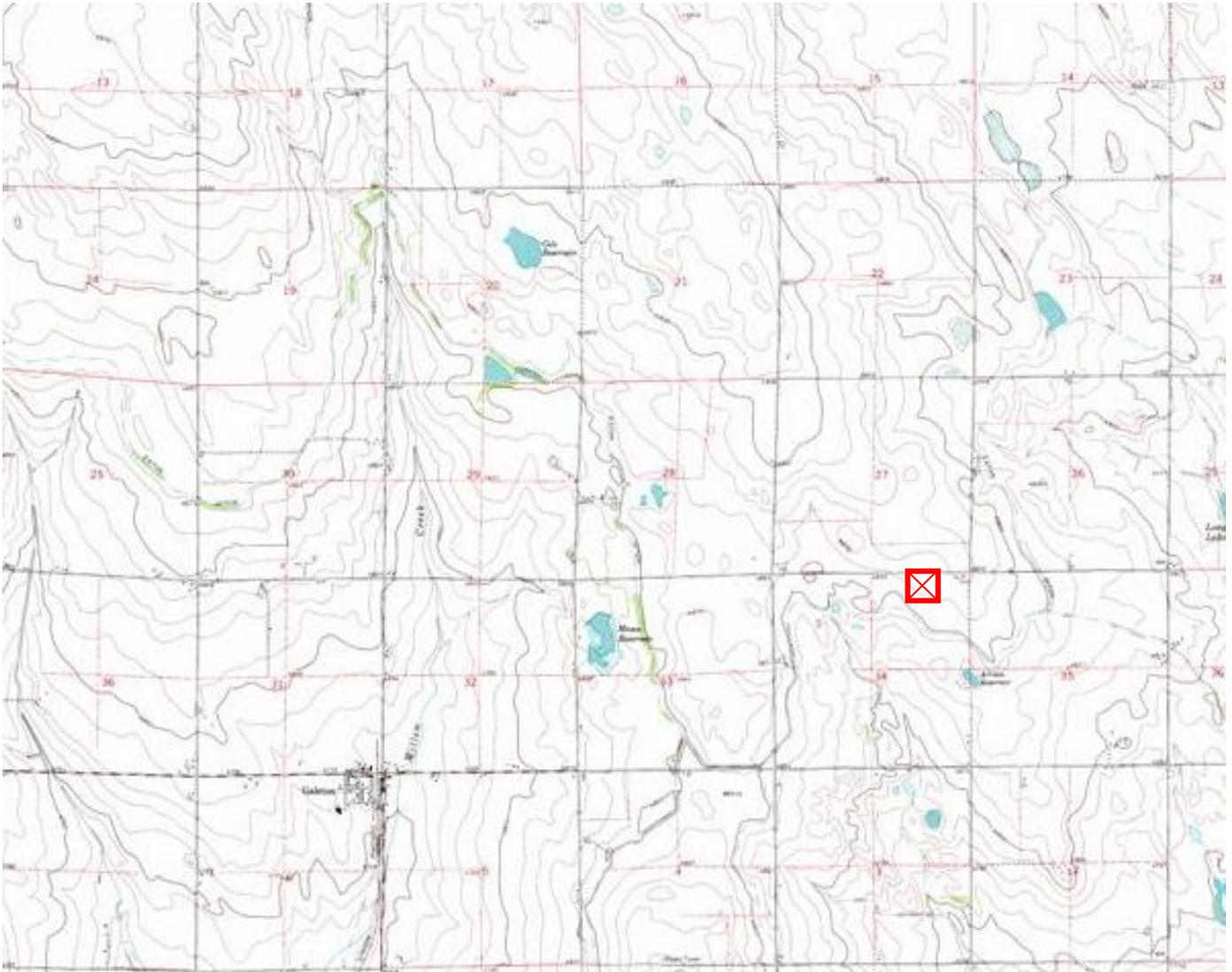
**Figure 2: Soil Sample Location Map - Battery Pad (05/30/13 & 05/31/13 & 06/01/13)**

**Figure 3: Perimeter/Discreet Soil Sample Location Map – Aurora Organic Dairy Property (05/31/13)**

**Figure 4: Foliage Sample Location Map – Aurora Organic Dairy Property (05/31/13)**

**Figure 5: Soil Sample Location Map – Aurora Organic Dairy Property (06/01/13)**

**Figure 6: Soil Sample Location Map - SS-28 Excavation (06/04/13)**



 APPROXIMATE LOCATION OF DYER USX AB 35-67-1HN TANK BATTERY

TOPOGRAPHIC MAP OBTAINED FROM LIBRE MAP PROJECT

GALETON, COLORADO QUADRANGLE UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE SERIES

**FIGURE 1**

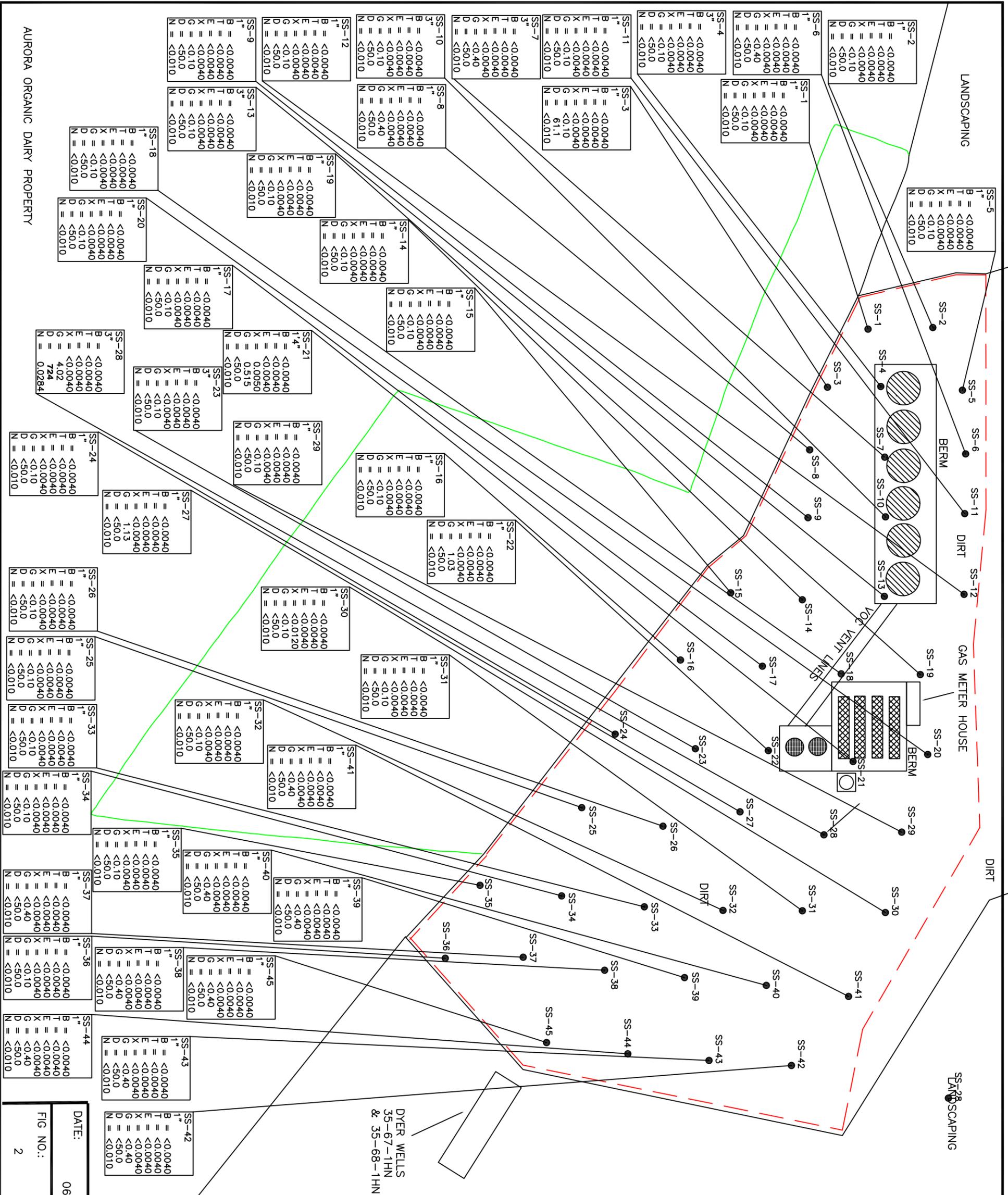
**SITE LOCATION MAP**  
 DYER USX AB 35-67-1HN  
 NE1/4 NE1/4 SEC.34 T7N R64W  
 RD 76 & RD 55, E 9/10, S INTO  
 WELD COUNTY, COLORADO



DRAWN BY: DC

NOT TO SCALE

DATE: 06/02/13



DYER WELLS  
35-67-1HN  
& 35-68-1HN

**LEGEND**

- SS-1 APPROXIMATE SOIL SAMPLE LOCATION
- APPROXIMATE CRUDE OIL HOLDING TANK LOCATION
- APPROXIMATE STAND-UP TREATER LOCATION
- ▨ APPROXIMATE SEPARATOR LOCATION
- ▩ APPROXIMATE VOC BURNER LOCATION
- APPROXIMATE BOUNDARY OF SCRAPED AURORA ORGANIC DAIRY AREA
- - - APPROXIMATE BOUNDARY OF SCRAPED LANDSCAPING
- WELL PAD AREA

**SAMPLE LOCATION DEPTH (INCHES)**

B	=	BENZENE (mg/kg)
T	=	TOLUENE (mg/kg)
E	=	ETHYLBENZENE (mg/kg)
X	=	TOTAL XYLENES (mg/kg)
G	=	TPH-GRO (mg/kg)
D	=	TPH-DRO (mg/kg)
N	=	NAPHTHALENE (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

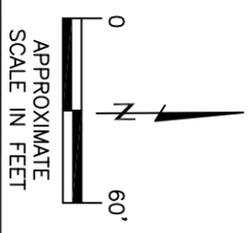
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS-GASOLINE RANGE ORGANICS

TPH-DRO = TOTAL PETROLEUM HYDROCARBONS-DIESEL RANGE ORGANICS

NOTE: VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED THE COGCC CONCENTRATION LEVELS PRESENTED IN TABLE 910-1

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

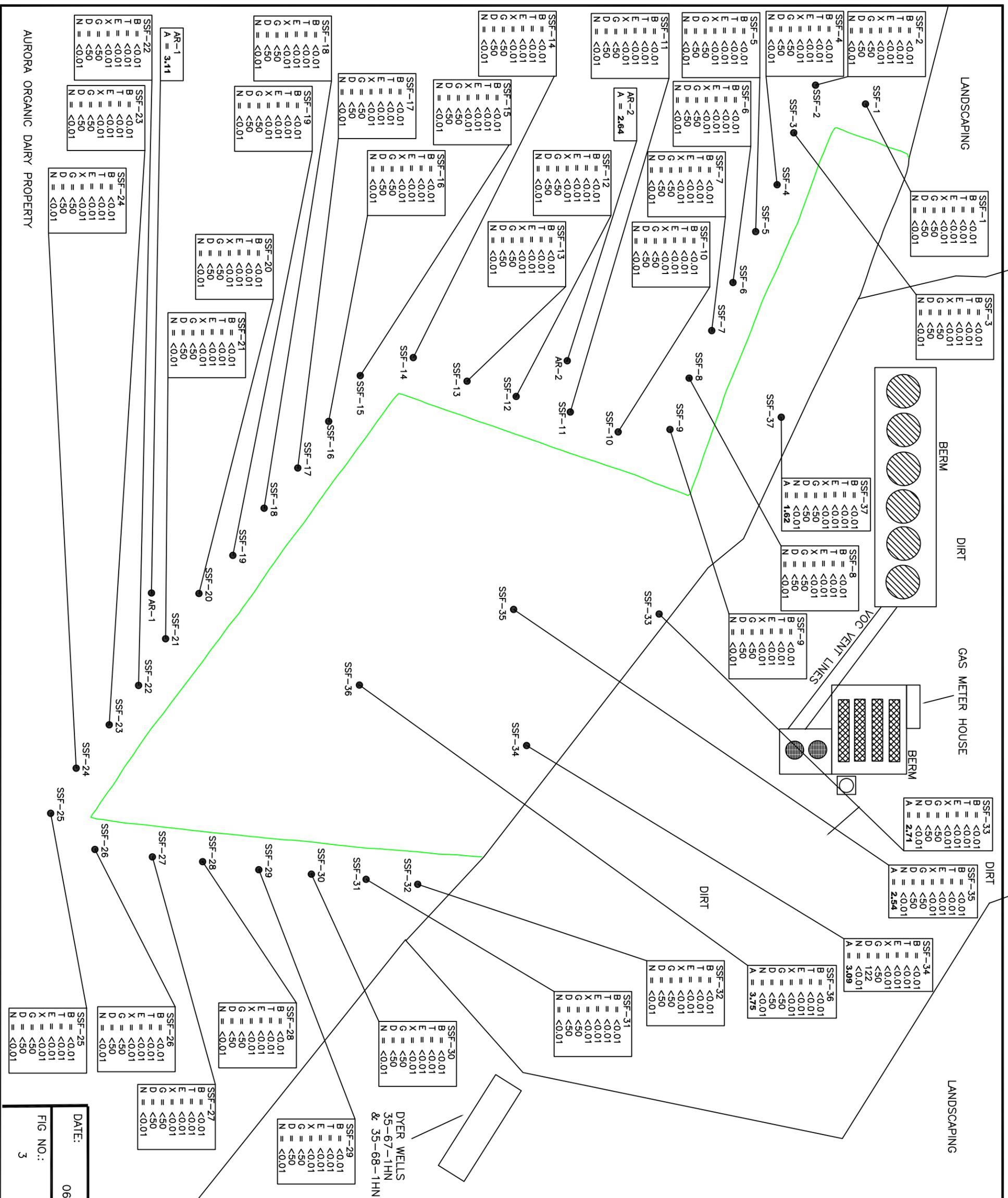
NOTE: SOIL SAMPLES SS-1 THROUGH SS-5 WERE COLLECTED ON 05/30/13. SOIL SAMPLES SS-9 THROUGH SS-36 WERE COLLECTED ON 05/31/13. SOIL SAMPLES SS-6 THROUGH SS-8 AND SS-37 THROUGH SS-45 WERE COLLECTED ON 06/01/13.



**SOIL SAMPLE LOCATION MAP**  
BATTERY PAD  
(05/30/13 & 05/31/13 & 06/01/13)  
DYER USX AB 35-67-1HN  
NE1/4 NE1/4 SEC.34 T7N R64W  
RD 76 & RD 55, E 9/10, S INTO  
WELD COUNTY, COLORADO

DATE: 06/06/13  
FIG NO.: 2  
DRAWN BY: dc





**LEGEND**

- SSF-34 APPROXIMATE SOIL SAMPLE LOCATION
- APPROXIMATE CRUDE OIL HOLDING TANK LOCATION
- APPROXIMATE STAND-UP TREATER LOCATION
- ▒ APPROXIMATE SEPARATOR LOCATION
- ⊗ APPROXIMATE VOC BURNER LOCATION
- ⊕ APPROXIMATE LOCATION
- APPROXIMATE BOUNDARY OF SCRAPED AREA
- AURORA ORGANIC DAIRY AREA

**PARAMETERS**

**SAMPLE LOCATION**

B = BENZENE (mg/kg)  
T = TOLUENE (mg/kg)  
E = ETHYLBENZENE (mg/kg)  
X = TOTAL XYLENES (mg/kg)  
G = TPH-GRO (mg/kg)  
D = TPH-DRO (mg/kg)  
N = NAPHTHALENE (mg/kg)  
A = ARSENIC (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

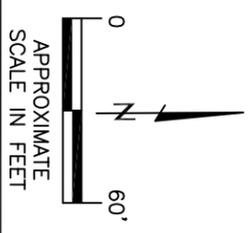
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS-GASOLINE RANGE ORGANICS  
TPH-DRO = TOTAL PETROLEUM-DIESEL RANGE ORGANICS

NOTE: VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED THE COGCC CONCENTRATION LEVELS PRESENTED IN TABLE 910-1

VALUES PRESENTED WITH A "<" INDICATE CONCENTRATIONS WERE NOT OBSERVED ABOVE THE LABORATORIES REPORTING LIMIT.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

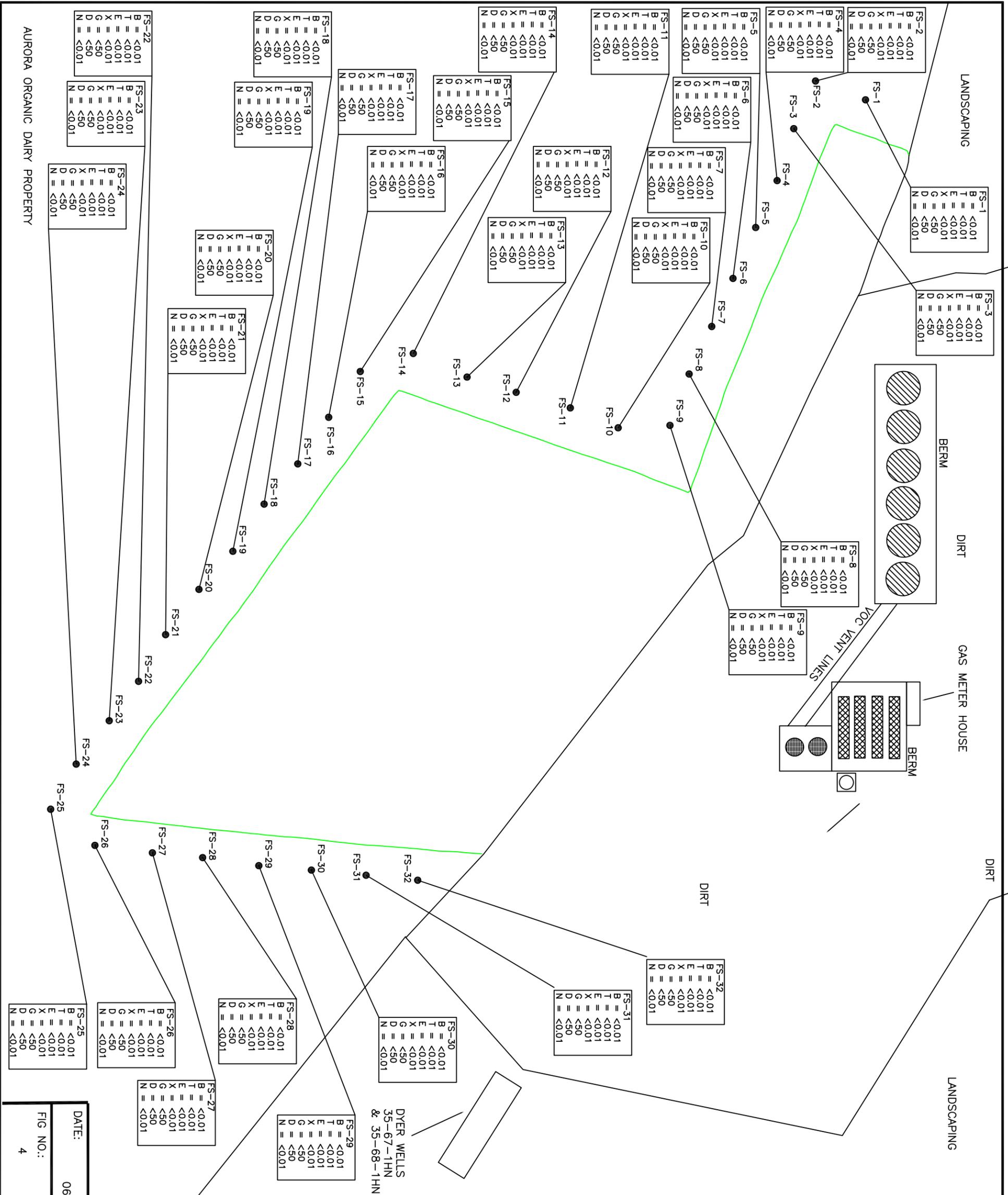
NOTE: ALL SSF AND AR SOIL SAMPLES WERE COLLECTED FROM THE SURFACE TO APPROXIMATELY ONE INCH BELOW GROUND SURFACE.



PERIMETER/DISCREET SOIL SAMPLE LOCATION MAP  
AURORA ORGANIC DAIRY PROPERTY  
(05/31/13)  
DYER USX AB 35-67-1HN  
NE1/4 NE1/4 SEC.34 T7N R64W  
RD 76 & RD 55, E 9/10, S INTO  
WELD COUNTY, COLORADO

DATE: 06/06/13  
FIG NO.: 3  
DRAWN BY: dc





**LEGEND**

- APPROXIMATE SOIL SAMPLE LOCATION
- APPROXIMATE CRUDE OIL HOLDING TANK LOCATION
- APPROXIMATE STAND-UP TREATER LOCATION
- ▨ APPROXIMATE SEPARATOR LOCATION
- ⊗ APPROXIMATE VOC BURNER LOCATION
- APPROXIMATE BOUNDARY OF SCRAPED AURORA ORGANIC DAIRY AREA

**PARAMETERS**

**SAMPLE LOCATION**

B = BENZENE (mg/kg)  
T = TOLUENE (mg/kg)  
E = ETHYLBENZENE (mg/kg)  
X = TOTAL XYLENES (mg/kg)  
G = TPH-GRO (mg/kg)  
D = TPH-DRO (mg/kg)  
N = NAPHTHALENE (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

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

**NOTE: VALUES PRESENTED IN BOLD TYPEFACE EXCEED THE COGCC CONCENTRATION LEVELS PRESENTED IN TABLE 910-1**

VALUES PRESENTED WITH A "<" INDICATE CONCENTRATIONS WERE NOT OBSERVED ABOVE THE LABORATORIES REPORTING LIMIT.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

**FOLIAGE SAMPLE LOCATION MAP**  
**AURORA ORGANIC DAIRY PROPERTY**  
(06/01/13)  
DYER USX AB 35-67-1HN  
NE1/4 NE1/4 SEC.34 T7N R64W  
RD 76 & RD 55, E 9/10, S INTO  
WELD COUNTY, COLORADO

0 60'  
APPROXIMATE SCALE IN FEET

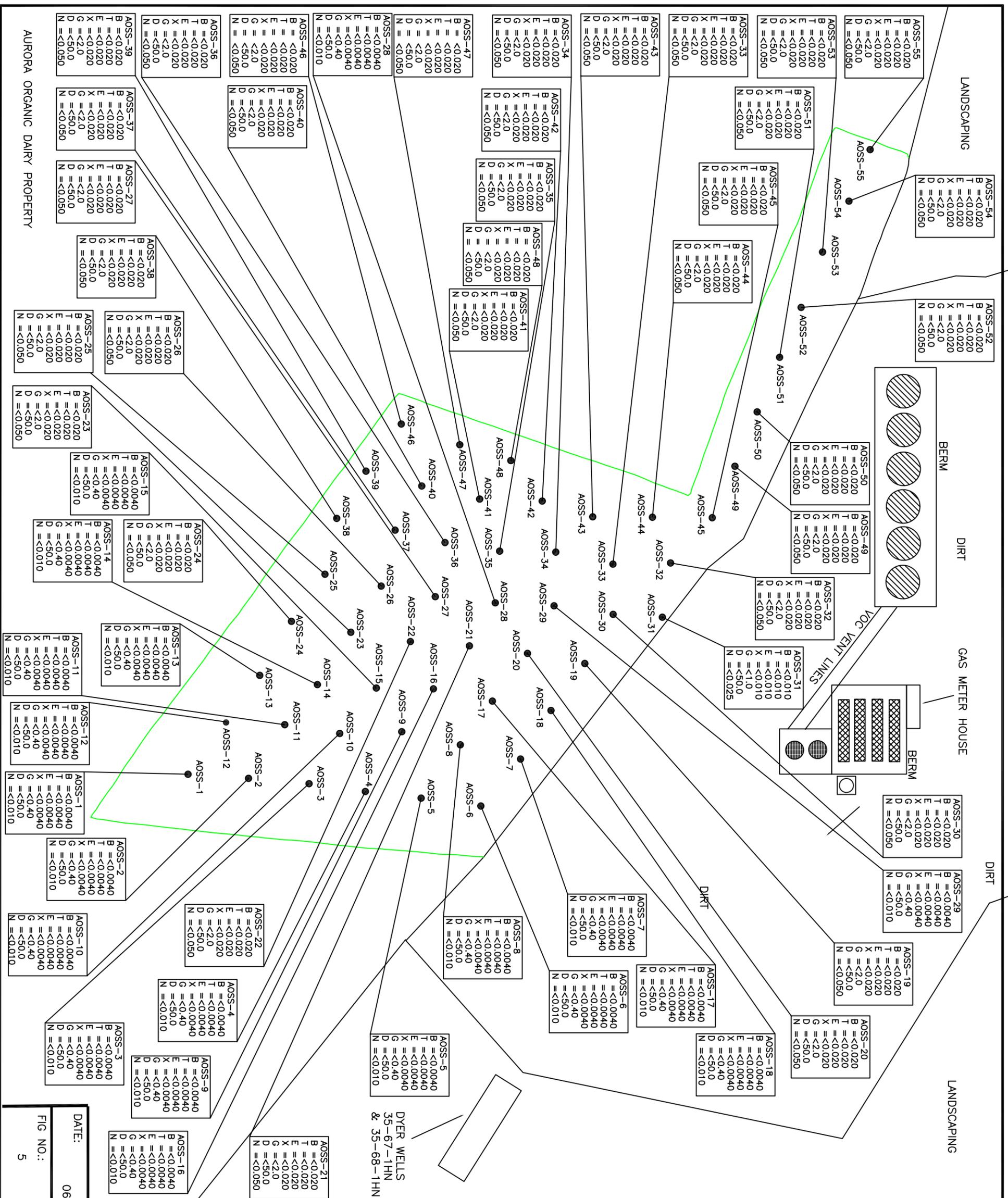
DATE: 06/06/13

FIG NO.: 4

DRAWN BY: dc

**EAGLE ENVIRONMENTAL CONSULTING, INC.**  
400 INCA STREET, DENVER, CO 80211  
PH: 303-434-9479 · F: 303-525-5449

AURORA ORGANIC DAIRY PROPERTY



DYER WELLS  
35-67-1HN  
& 35-68-1HN

**LEGEND**

- APPROXIMATE SOIL SAMPLE LOCATION
- APPROXIMATE CRUDE OIL HOLDING TANK LOCATION
- APPROXIMATE STAND-UP TREATER LOCATION
- ▣ APPROXIMATE SEPARATOR LOCATION
- ▤ APPROXIMATE VOC BURNER LOCATION
- APPROXIMATE BOUNDARY OF SCRAPED AURORA ORGANIC DAIRY AREA

**PARAMETERS**

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

mg/kg = MILLIGRAMS PER KILOGRAM

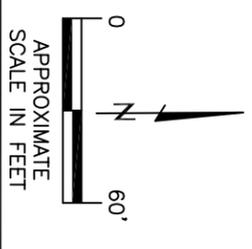
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS  
 -GASOLINE RANGE ORGANICS  
 TPH-DRO = TOTAL PETROLEUM HYDROCARBONS-DIESEL RANGE ORGANICS

NOTE: VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED THE COGCC CONCENTRATION LEVELS PRESENTED IN TABLE 910-1

VALUES PRESENTED WITH A "<" INDICATE CONCENTRATIONS WERE NOT OBSERVED ABOVE THE LABORATORIES REPORTING LIMIT.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

NOTE: ALL AOSS SOIL SAMPLES WERE COLLECTED FROM THE SURFACE TO APPROXIMATELY ONE INCH BELOW GROUND SURFACE.



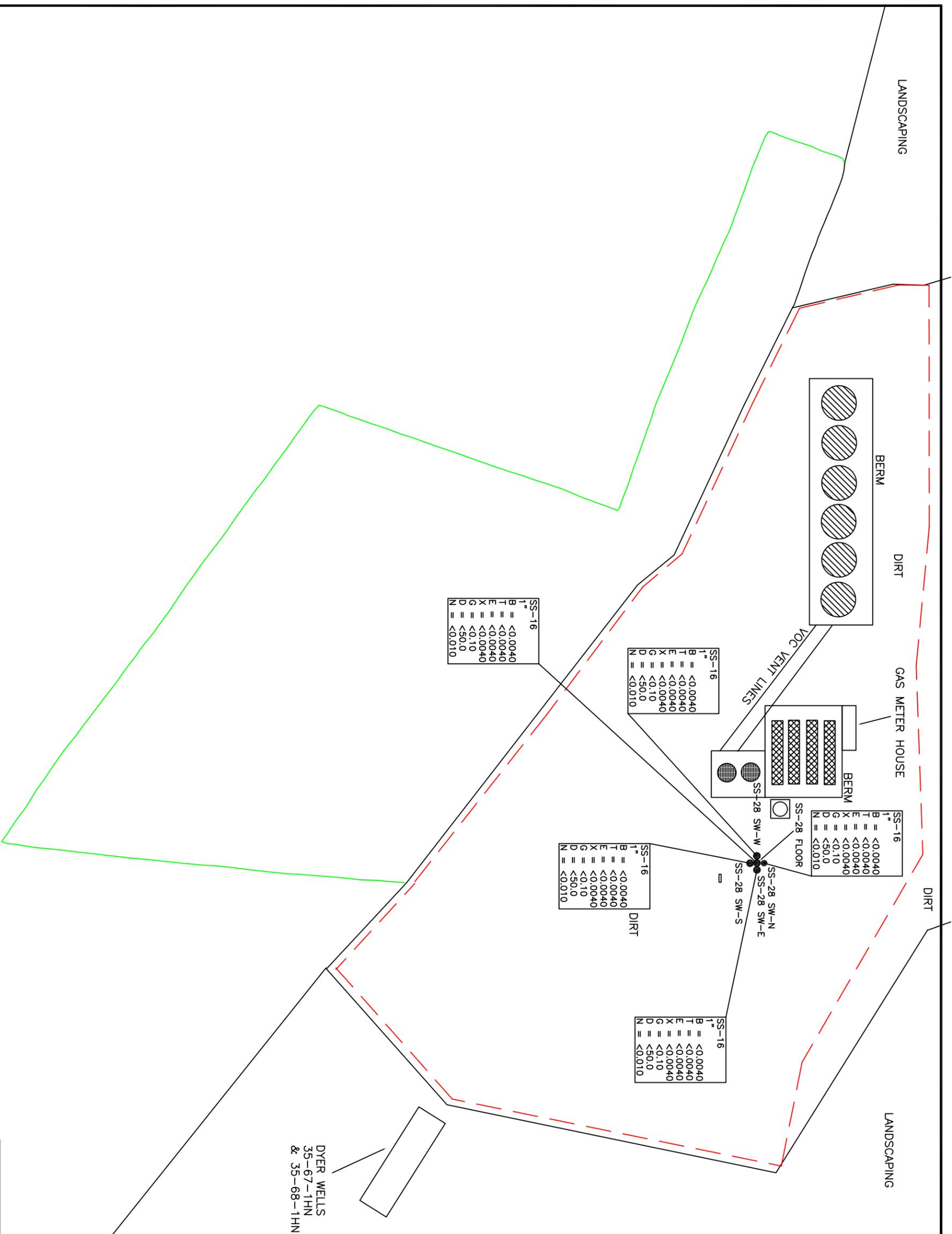
SOIL SAMPLE LOCATION MAP  
 AURORA ORGANIC DAIRY PROPERTY  
 (06/01/13)  
 DYER USX AB 35-67-1HN  
 NE 1/4 NE 1/4 SEC. 34 T7N R64W  
 RD 76 & RD 55, E 9/10, S INTO  
 WELD COUNTY, COLORADO

DATE: 06/06/13

FIG NO.: 5

DRAWN BY: dc





DYER WELLS  
35-67-1HN  
& 35-68-1HN

- LEGEND**
- APPROXIMATE SOIL SAMPLE LOCATION
  - APPROXIMATE CRUDE OIL HOLDING TANK LOCATION
  - APPROXIMATE STAND-UP TREATER LOCATION
  - ⊗ APPROXIMATE SEPARATOR LOCATION
  - ⊙ APPROXIMATE VOC BURNER LOCATION
  - APPROXIMATE BOUNDARY OF SCRAPPED AURORA ORGANIC DAIRY AREA
  - - - APPROXIMATE BOUNDARY OF SCRAPPED WELL PAD AREA

**SAMPLE LOCATION DEPTH (INCHES)**

B	= BENZENE (mg/kg)
T	= TOLUENE (mg/kg)
E	= ETHYLBENZENE (mg/kg)
X	= TOTAL XYLENES (mg/kg)
G	= TPH-GRO (mg/kg)
D	= TPH-DRO (mg/kg)
N	= NAPHTHALENE (mg/kg)

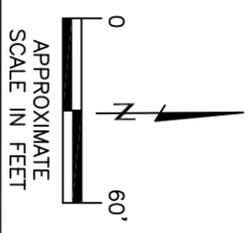
mg/kg = MILLIGRAMS PER KILOGRAM

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

NOTE: VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED THE COGCC CONCENTRATION LEVELS PRESENTED IN TABLE 910-1

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

NOTE: SOIL SAMPLES SS-1 THROUGH SS-5 WERE COLLECTED ON 05/30/13. SOIL SAMPLES SS-9 THROUGH SS-36 WERE COLLECTED ON 05/31/13. SOIL SAMPLES SS-6 THROUGH SS-8 AND SS-37 THROUGH SS-45 WERE COLLECTED ON 06/01/13.



SOIL SAMPLE LOCATION MAP  
SS-28 EXCAVATION  
(06/04/13)  
DYER USX AB 35-67-1HN  
NE1/4 NE1/4 SEC.34 T7N R64W  
RD 76 & RD 55, E 9/10, S INTO  
WELD COUNTY, COLORADO

DATE: 06/06/13  
FIG NO.: 6  
DRAWN BY: dc



## **TABLES**

**Table 1: Soil and Foliage Sample Photoionization Detector Readings**

**Table 2: Soil Analytical Results Summary – Battery Pad**

**Table 3: Perimeter/Discreet Soil Analytical Results Summary – Aurora Organic Dairy Property**

**Table 4: Perimeter Foliage Analytical Results Summary – Aurora Organic Dairy Property**

**Table 5: Soil Analytical Results Summary – Aurora Organic Dairy Property**

**TABLE 1**  
**SOIL AND FOLIAGE SAMPLE PHOTOIONIZATION DETECTOR READINGS**  
**DYER USX AB 35-67-1HN**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location	Date	Sample Depth (feet)	OVM Reading (ppm-v)	Laboratory Analyzed
Soil-Battery Pad				
SS-1@1"	05/30/13	1"	0.0	Yes
SS-2@1"	05/30/13	1"	0.0	Yes
SS-3@1"	05/30/13	1"	0.0	Yes
SS-4@3"	05/30/13	3"	1.3	Yes
SS-5@1"	05/30/13	1"	1.1	Yes
SS-6@1"	06/01/13	1"	1.4	Yes
SS-7@3"	06/01/13	3"	0.0	Yes
SS-8@1"	06/01/13	1"	0.0	Yes
SS-9@1"	05/31/13	1"	0.9	Yes
SS-10@3"	05/31/13	3"	1.9	Yes
SS-11@1"	05/31/13	1"	2.0	Yes
SS-12@1"	05/31/13	1"	2.7	Yes
SS-13@3"	05/31/13	3"	0.7	Yes
SS-14@1"	05/31/13	1"	3.9	Yes
SS-15@1"	05/31/13	1"	2.3	Yes
SS-16@1"	05/31/13	1"	4.0	Yes
SS-17@1"	05/31/13	1"	6.6	Yes
SS-18@1"	05/31/13	1"	4.0	Yes
SS-19@1"	05/31/13	1"	3.9	Yes
SS-20@1"	05/31/13	1"	2.5	Yes
SS-21@6"	05/31/13	6"	165	No
SS-21@1'4"	05/31/13	1'4"	13.1	Yes
SS-22@1"	05/31/13	1"	13.8	Yes
SS-23@1"	05/31/13	1"	357	No
SS-23@3"	05/31/13	3"	1.3	Yes
SS-24@1"	05/31/13	1"	5.3	Yes
SS-25@1"	05/31/13	1"	0.4	Yes
SS-26@1"	05/31/13	1"	1.4	Yes
SS-27@1"	05/31/13	1"	44.4	Yes
SS-28@3"	05/31/13	3"	30.1	Yes
SS-29@1"	05/31/13	1"	2.5	Yes
SS-30@1"	05/31/13	1"	3.8	Yes
SS-31@1"	05/31/13	1"	2.2	Yes
SS-32@1"	05/31/13	1"	0.2	Yes

OVM = Organic Vapor Meter  
ppm-v = parts per million by volume

**TABLE 1**  
**SOIL AND FOLIAGE SAMPLE PHOTOIONIZATION DETECTOR READINGS**  
**DYER USX AB 35-67-1HN**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location	Date	Sample Depth (feet)	OVM Reading (ppm-v)	Laboratory Analyzed
Soil-Battery Pad				
SS-33@1"	05/31/13	1"	2.1	Yes
SS-34@1"	05/31/13	1"	2.0	Yes
SS-35@1"	05/31/13	1"	2.6	Yes
SS-36@1"	05/31/13	1"	2.7	Yes
SS-37@1"	06/01/13	1"	0.4	Yes
SS-38@1"	06/01/13	1"	0.2	Yes
SS-39@1"	06/01/13	1"	2.0	Yes
SS-40@1"	06/01/13	1"	3.2	Yes
SS-41@1"	06/01/13	1"	2.5	Yes
SS-42@1"	06/01/13	1"	0.4	Yes
SS-43@1"	06/01/13	1"	3.4	Yes
SS-44@1"	06/01/13	1"	1.0	Yes
SS-45@1"	06/01/13	1"	1.1	Yes
SS-28 SW-E@6"	06/04/13	6"	1.1	Yes
SS-28 SW-W@6"	06/04/13	6"	1.3	Yes
SS-28 SW-N@1"	06/04/13	6"	1.7	Yes
SS-28 SW-S@6"	06/04/13	6"	1.3	Yes
SS-28 Floor @1'1"	06/04/13	1'1"	6.9	Yes
Soil-Perimeter & Discreet & Background Arsenic				
SSF-1@1"	05/31/13	1"	0.0	Yes
SSF-2@1"	05/31/13	1"	0.1	Yes
SSF-3@1"	05/31/13	1"	0.7	Yes
SSF-4@1"	05/31/13	1"	0.1	Yes
SSF-5@1"	05/31/13	1"	0.1	Yes
SSF-6@1"	05/31/13	1"	1.1	Yes
SSF-7@1"	05/31/13	1"	0.6	Yes
SSF-8@1"	05/31/13	1"	0.4	Yes
SSF-9@1"	05/31/13	1"	0.9	Yes
SSF-10@1"	05/31/13	1"	0.3	Yes
SSF-11@1"	05/31/13	1"	0.4	Yes
SSF-12@1"	05/31/13	1"	0.1	Yes
SSF-13@1"	05/31/13	1"	1.2	Yes
SSF-14@1"	05/31/13	1"	1.4	Yes
SSF-15@1"	05/31/13	1"	2.3	Yes

OVM = Organic Vapor Meter  
ppm-v = parts per million by volume

**TABLE 1**  
**SOIL AND FOLIAGE SAMPLE PHOTOIONIZATION DETECTOR READINGS**  
**DYER USX AB 35-67-1HN**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location	Date	Sample Depth (feet)	OVM Reading (ppm-v)	Laboratory Analyzed
Soil-Perimeter & Discreet & Background Arsenic				
SSF-16@1"	05/31/13	1"	1.0	Yes
SSF-17@1"	05/31/13	1"	0.7	Yes
SSF-18@1"	05/31/13	1"	0.7	Yes
SSF-19@1"	05/31/13	1"	3.5	Yes
SSF-20@1"	05/31/13	1"	0.2	Yes
SSF-21@1"	05/31/13	1"	0.8	Yes
SSF-22@1"	05/31/13	1"	0.0	Yes
SSF-23@1"	05/31/13	1"	1.0	Yes
SSF-24@1"	05/31/13	1"	4.9	Yes
SSF-25@1"	05/31/13	1"	0.6	Yes
SSF-26@1"	05/31/13	1"	1.2	Yes
SSF-27@1"	05/31/13	1"	2.2	Yes
SSF-28@1"	05/31/13	1"	2.2	Yes
SSF-29@1"	05/31/13	1"	4.1	Yes
SSF-30@1"	05/31/13	1"	1.8	Yes
SSF-31@1"	05/31/13	1"	1.8	Yes
SSF-32@1"	05/31/13	1"	2.9	Yes
SSF-33@1"	05/31/13	1"	1.3	Yes
SSF-34@1"	05/31/13	1"	1.8	Yes
SSF-35@1"	05/31/13	1"	2.1	Yes
SSF-36@1"	05/31/13	1"	0.5	Yes
SSF-37@1"	05/31/13	1"	2.5	Yes
AR-1@1"	05/31/13	1"	1.8	Yes
AR-2@1"	05/31/13	1"	2.2	Yes

OVM = Organic Vapor Meter  
ppm-v = parts per million by volume

**TABLE 1**  
**SOIL AND FOLIAGE SAMPLE PHOTOIONIZATION DETECTOR READINGS**  
**DYER USX AB 35-67-1HN**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location	Date	Sample Depth (feet)	OVM Reading (ppm-v)	Laboratory Analyzed
Foliage-Perimeter				
FS-1	05/31/13	NA	1.1	Yes
FS-2	05/31/13	NA	5.6	Yes
FS-3	05/31/13	NA	0.8	Yes
FS-4	05/31/13	NA	3.1	Yes
FS-5	05/31/13	NA	2.5	Yes
FS-6	05/31/13	NA	3.6	Yes
FS-7	05/31/13	NA	4.9	Yes
FS-8	05/31/13	NA	3.2	Yes
FS-9	05/31/13	NA	9.8	Yes
FS-10	05/31/13	NA	6.2	Yes
FS-11	05/31/13	NA	3.7	Yes
FS-12	05/31/13	NA	4.9	Yes
FS-13	05/31/13	NA	3.4	Yes
FS-14	05/31/13	NA	1.6	Yes
FS-15	05/31/13	NA	5.8	Yes
FS-16	05/31/13	NA	3.0	Yes
FS-17	05/31/13	NA	1.6	Yes
FS-18	05/31/13	NA	2.4	Yes
FS-19	05/31/13	NA	8.3	Yes
FS-20	05/31/13	NA	2.9	Yes
FS-21	05/31/13	NA	9.9	Yes
FS-22	05/31/13	NA	5.0	Yes
FS-23	05/31/13	NA	3.4	Yes
FS-24	05/31/13	NA	21.1	Yes
FS-25	05/31/13	NA	2.5	Yes
FS-26	05/31/13	NA	9.7	Yes
FS-27	05/31/13	NA	9.1	Yes
FS-28	05/31/13	NA	6.4	Yes
FS-29	05/31/13	NA	4.4	Yes
FS-30	05/31/13	NA	1.5	Yes
FS-31	05/31/13	NA	5.0	Yes
FS-32	05/31/13	NA	7.1	Yes

OVM = Organic Vapor Meter  
ppm-v = parts per million by volume

**TABLE 1**  
**SOIL AND FOLIAGE SAMPLE PHOTOIONIZATION DETECTOR READINGS**  
**DYER USX AB 35-67-1HN**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location	Date	Sample Depth (feet)	OVM Reading (ppm-v)	Laboratory Analyzed
Soil-Aurora Organic Dairy Farm Property				
AOSS-1	06/01/13	1"	0.0	Yes
AOSS-2	06/01/13	1"	0.0	Yes
AOSS-3	06/01/13	1"	0.0	Yes
AOSS-4	06/01/13	1"	0.0	Yes
AOSS-5	06/01/13	1"	0.0	Yes
AOSS-6	06/01/13	1"	0.0	Yes
AOSS-7	06/01/13	1"	0.0	Yes
AOSS-8	06/01/13	1"	0.0	Yes
AOSS-9	06/01/13	1"	0.0	Yes
AOSS-10	06/01/13	1"	0.0	Yes
AOSS-11	06/01/13	1"	0.0	Yes
AOSS-12	06/01/13	1"	0.2	Yes
AOSS-13	06/01/13	1"	0.0	Yes
AOSS-14	06/01/13	1"	0.2	Yes
AOSS-15	06/01/13	1"	0.0	Yes
AOSS-16	06/01/13	1"	0.0	Yes
AOSS-17	06/01/13	1"	0.0	Yes
AOSS-18	06/01/13	1"	0.0	Yes
AOSS-19	06/01/13	1"	0.2	Yes
AOSS-20	06/01/13	1"	1.3	Yes
AOSS-21	06/01/13	1"	0.4	Yes
AOSS-22	06/01/13	1"	1.4	Yes
AOSS-23	06/01/13	1"	0.0	Yes
AOSS-24	06/01/13	1"	0.0	Yes
AOSS-25	06/01/13	1"	0.5	Yes
AOSS-26	06/01/13	1"	0.4	Yes
AOSS-27	06/01/13	1"	1.0	Yes
AOSS-28	06/01/13	1"	0.1	Yes
AOSS-29	06/01/13	1"	0.6	Yes
AOSS-30	06/01/13	1"	0.2	Yes
AOSS-31	06/01/13	1"	2.8	Yes
AOSS-32	06/01/13	1"	0.8	Yes

OVM = Organic Vapor Meter  
ppm-v = parts per million by volume

**TABLE 1**  
**SOIL AND FOLIAGE SAMPLE PHOTOIONIZATION DETECTOR READINGS**  
**DYER USX AB 35-67-1HN**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location	Date	Sample Depth (feet)	OVM Reading (ppm-v)	Laboratory Analyzed
Aurora Organic Dairy Farm Property				
AOSS-33	06/01/13	1"	1.0	Yes
AOSS-34	06/01/13	1"	0.3	Yes
AOSS-35	06/01/13	1"	0.3	Yes
AOSS-36	06/01/13	1"	0.4	Yes
AOSS-37	06/01/13	1"	0.5	Yes
AOSS-38	06/01/13	1"	1.2	Yes
AOSS-39	06/01/13	1"	0.6	Yes
AOSS-40	06/01/13	1"	0.0	Yes
AOSS-41	06/01/13	1"	1.5	Yes
AOSS-42	06/01/13	1"	0.3	Yes
AOSS-43	06/01/13	1"	1.7	Yes
AOSS-44	06/01/13	1"	0.4	Yes
AOSS-45	06/01/13	1"	0.2	Yes
AOSS-46	06/01/13	1"	0.8	Yes
AOSS-47	06/01/13	1"	1.0	Yes
AOSS-48	06/01/13	1"	1.1	Yes
AOSS-49	06/01/13	1"	0.0	Yes
AOSS-50	06/01/13	1"	0.8	Yes
AOSS-51	06/01/13	1"	1.1	Yes
AOSS-52	06/01/13	1"	0.0	Yes
AOSS-53	06/01/13	1"	0.0	Yes
AOSS-54	06/01/13	1"	0.1	Yes
AOSS-55	06/01/13	1"	0.0	Yes

OVM = Organic Vapor Meter  
ppm-v = parts per million by volume

**TABLE 2**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**BATTERY PAD**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (inches)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (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>500</b>		<b>23</b>
SS-1 40.536686330 -104.529580549	05/30/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-2 40.536796253 -104.529581929	05/30/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-3 40.536611116 -104.529397969	05/30/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	61.1	<0.010
SS-4 40.536728121 -104.529378274	05/30/13	3.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-5 40.536843436 -104.529372247	05/30/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-6 40.536854565 -104.529281938	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-7 40.536719547 -104.529271553	06/01/13	3.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-8 40.536592093 -104.529294873	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-9 40.536580400 -104.529159093	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-10 40.536713077 -104.529159673	05/31/13	3.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-11 40.536847468 -104.529165531	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-12 40.536845617 -104.528984613	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-13 40.536708971 -104.528981047	05/31/13	3.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-14 40.536568385 -104.528974833	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-15 40.536442507 -104.528987555	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-16 40.536360602 -104.528844124	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-17 40.536499225 -104.528825982	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-18 40.536634367 -104.528808308	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010

**TABLE 2**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**BATTERY PAD**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (inches)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (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>500</b>		<b>23</b>
SS-19 40.536768973 -104.528804809	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-20 40.536779621 -104.528626204	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-21 40.536646258 -104.528635258	05/31/13	16.0	<0.0040	<0.0040	<0.0040	0.0050	0.515	<50.0	<0.010
SS-22 40.536508039 -104.528638522	05/31/13	16.0	<0.0040	<0.0040	<0.0040	<0.0040	1.03	<50.0	<0.010
SS-23 40.536383892 -104.528644480	05/31/13	3.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-24 40.536247117 -104.528678054	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-25 40.536189169 -104.528516097	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-26 40.536327724 -104.528472026	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-27 40.536459249 -104.528501850	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	1.13	<50.0	<0.010
SS-28 40.536601713 -104.528449231	05/31/13	3.0	<0.0040	<0.0040	<0.0040	<0.0040	4.02	<b>724</b>	0.0284
SS-29 40.536735171 -104.528453117	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-30 40.536704571 -104.528272370	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-31 40.536563494 -104.528278713	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-32 40.536428932 -104.528279646	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-33 40.536293765 -104.528290282	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-34 40.536154171 -104.528319037	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-35 40.536014022 -104.528343361	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010

**TABLE 2**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**BATTERY PAD**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (inches)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (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>500</b>		<b>23</b>
SS-36 40.535952552 -104.528182191	05/31/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.10	<50.0	<0.010
SS-37 40.536086353 -104.528181793	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-38 40.536225455 -104.528150174	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-39 40.536362026 -104.528130395	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-40 40.536501226 -104.528112711	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-41 40.536640806 -104.528085518	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-42 40.536506061 -104.527931917	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-43 40.536365870 -104.527945361	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-44 40.536227651 -104.527962446	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-45 40.536089185 -104.527990635	06/01/13	1.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-28 SW-E 40.3221806 -104.3142400	06/04/13	6.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-28 SW-W 40.3211795 -104.3142464	06/04/13	6.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-28 SW-N 40.3211830 -104.3142402	06/04/13	6.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-28 SW-S 40.3211758 -104.3142408	06/04/13	6.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010
SS-28 Floor 40.3211790 -104.3142459	06/04/13	13.0	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

Note: Values presented in bold typeface exceed their respective COGCC - Guidelines (Table 910-1).

Values presented with a "<" symbol indicate concentrations were not observed above the laboratories reporting limit.

**TABLE 3**  
**PERIMETER/DISCREET SOIL ANALYTICAL RESULTS SUMMARY**  
**AURORA ORGANIC DAIRY PROPERTY**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (mg/kg)	Arsenic (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>500</b>		<b>23</b>	<b>0.39</b>
SSF-1 40.536678752 -104.530077061	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-2 40.536592346 -104.530119957	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-3 40.536555146 -104.530013868	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-4 40.536525789 -104.529897324	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-5 40.536488208 -104.529792872	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-6 40.536448471 -104.529680077	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-7 40.536411685 -104.529572474	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-8 40.536372099 -104.529465728	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-9 40.536338830 -104.529352225	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-10 40.536249864 -104.529347983	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-11 40.536169580 -104.529392911	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-12 40.536076999 -104.529429139	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-13 40.535993542 -104.529464351	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-14 40.535902143 -104.529518581	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-15 40.535811753 -104.529480890	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-16 40.535757430 -104.529377652	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-17 40.535703393 -104.529275360	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-18 40.535645288 -104.529184644	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA

**TABLE 3**  
**PERIMETER/DISCREET SOIL ANALYTICAL RESULTS SUMMARY**  
**AURORA ORGANIC DAIRY PROPERTY**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (mg/kg)	Arsenic (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>500</b>		<b>23</b>	<b>0.39</b>
SSF-19 40.535592092 -104.529081189	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-20 40.535532526 -104.528995751	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-21 40.535475950 -104.528896575	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-22 40.535428288 -104.528791084	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-23 40.535377320 -104.528704560	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-24 40.535320491 -104.528607756	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-25 40.535275301 -104.528506096	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-26 40.535351420 -104.528424216	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-27 40.535449087 -104.528407283	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-28 40.535534204 -104.528394777	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-29 40.535629308 -104.528375052	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-30 40.535719382 -104.528363724	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-31 40.536563494 -104.528278713	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-31 40.535811888 -104.528351044	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-32 40.535900796 -104.528340300	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	NA
SSF-33 40.536307048 -104.528947315	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	<b>2.71</b>
SSF-34 40.536079146 -104.528654275	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	122	<0.01	<b>3.09</b>
SSF-35 40.536059865 -104.528959320	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	<b>2.54</b>

**TABLE 3**  
**PERIMETER/DISCREET SOIL ANALYTICAL RESULTS SUMMARY**  
**AURORA ORGANIC DAIRY PROPERTY**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (mg/kg)	Arsenic (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>500</b>		<b>23</b>	<b>0.39</b>
SSF-36 40.535793836 -104.528794224	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	<b>3.75</b>
SSF-37 40.536519202 -104.529384969	05/31/13	Surface-1"	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01	<b>1.62</b>
AR-1 40.535451312 -104.528997058	05/31/13	Surface-1"	NA	NA	NA	NA	NA	NA	NA	<b>3.11</b>
AR-2 40.536164875 -104.529507811	05/31/13	Surface-1"	NA	NA	NA	NA	NA	NA	NA	<b>2.64</b>
COGCC = Colorado Oil and Gas Conservation Commission mg/kg = milligrams per kilogram bgs = below ground surface TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics Note: Values presented in bold typeface exceed their respective COGCC - Guidelines (Table 910-1). Values presented with a "<" symbol indicate concentrations were not observed above the laboratories reporting limit.										

**TABLE 4**  
**PERIMETER FOLIAGE ANALYTICAL RESULTS SUMMARY**  
**AURORA ORGANIC DAIRY PROPERTY**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (inches)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (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>500</b>		<b>23</b>
FS-1 40.536678752 -104.530077061	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-2 40.536592346 -104.530119957	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-3 40.536555146 -104.530013868	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-4 40.536525789 -104.529897324	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-5 40.536488208 -104.529792872	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-6 40.536448471 -104.529680077	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-7 40.536411685 -104.529572474	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-8 40.536372099 -104.529465728	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-9 40.536338830 -104.529352225	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-10 40.536249864 -104.529347983	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-11 40.536169580 -104.529392911	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-12 40.536076999 -104.529429139	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-13 40.535993542 -104.529464351	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-14 40.535902143 -104.529518581	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-15 40.535811753 -104.529480890	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-16 40.535757430 -104.529377652	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-17 40.535703393 -104.529275360	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-18 40.535645288 -104.529184644	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01

**TABLE 4**  
**PERIMETER FOLIAGE ANALYTICAL RESULTS SUMMARY**  
**AURORA ORGANIC DAIRY PROPERTY**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (inches)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Naphthalene (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>500</b>		<b>23</b>
FS-19 40.535592092 -104.529081189	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-20 40.535532526 -104.528995751	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-21 40.535475950 -104.528896575	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-22 40.535428288 -104.528791084	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-23 40.535377320 -104.528704560	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-24 40.535320491 -104.528607756	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-25 40.535275301 -104.528506096	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-26 40.535351420 -104.528424216	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-27 40.535449087 -104.528407283	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-28 40.535534204 -104.528394777	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-29 40.535629308 -104.528375052	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-30 40.535719382 -104.528363724	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-31 40.536563494 -104.528278713	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01
FS-32 40.535811888 -104.528351044	05/31/13	NA	<0.01	<0.01	<0.01	<0.01	<50	<50	<0.01

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

Note: Values presented in bold typeface exceed their respective COGCC - Guidelines (Table 910-1).

Values presented with a "<" symbol indicate concentrations were not observed above the laboratories reporting limit.

**TABLE 5**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**AURORA ORGANIC DAIRY PROPERTY**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Naphthalene (mg/kg)	Arsenic (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>500</b>		<b>23</b>	<b>0.39</b>
AOSS-1 40.535501067 -104.528599162	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-2 40.535604371 -104.528588203	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-3 40.535707064 -104.528573785	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-4 40.535803297 -104.528556136	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-5 40.535898047 -104.528540026	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-6 40.535999952 -104.528521025	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-7 40.536068323 -104.528625414	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-8 40.535965675 -104.528659038	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-9 40.535866197 -104.528689139	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-10 40.535760654 -104.528686905	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-11 40.535666777 -104.528707111	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-12 40.535566881 -104.528714778	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-13 40.535625278 -104.528819322	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-14 40.535723268 -104.528797147	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-15 40.535823673 -104.528787902	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-16 40.535920905 -104.528785358	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-17 40.536021318 -104.528755677	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-18 40.536120965 -104.528733409	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-19 40.536179738 -104.528837746	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-20 40.536082278 -104.528861759	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-21 40.535983390 -104.528880188	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-22 40.535882802 -104.528891039	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-23 40.535781339 -104.528913592	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-24 40.535680559 -104.528939120	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-25 40.535738287 -104.529044105	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-26 40.535834392 -104.529015679	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-27 40.535925700 -104.528991444	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-28 40.536027962 -104.528976194	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA

**TABLE 5**  
**SOIL ANALYTICAL RESULTS SUMMARY**  
**AURORA ORGANIC DAIRY PROPERTY**  
**DYER USX AB #35-67-H1N**  
**NE¼ NE¼ SEC.34 T7N R64W**  
**RD 76 & RD 55, E 9/10, S INTO**  
**WELD COUNTY, COLORADO**

Sample Location (Latitude/Longitude)	Date	Approximate Depth (bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Naphthalene (mg/kg)	Arsenic (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>500</b>		<b>23</b>	<b>0.39</b>
AOSS-29 40.536128580 -104.528968291	06/01/13	Surface-1"	<0.0040	<0.0040	<0.0040	<0.0040	<0.40	<50.0	<0.010	NA
AOSS-30 40.536229103 -104.528946580	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-31 40.536322503 -104.528939742	06/01/13	Surface-1"	<0.010	<0.010	<0.010	<0.010	<1.0	<50.0	<0.025	NA
AOSS-32 40.536327908 -104.529061284	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-33 40.536230023 -104.529060723	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-34 40.536133029 -104.529089295	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-35 40.536036070 -104.529091346	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-36 40.535943282 -104.529113400	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-37 40.535858248 -104.529141411	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-38 40.535759401 -104.529169001	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-39 40.535809937 -104.529274443	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-40 40.535905071 -104.529240064	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-41 40.536002821 -104.529210467	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-42 40.536103330 -104.529185589	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-43 40.536195467 -104.529166592	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-44 40.536297768 -104.529163726	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-45 40.536398916 -104.529160798	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-46 40.535871465 -104.529378452	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-47 40.535970114 -104.529331868	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-48 40.536056938 -104.529293492	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-49 40.536439926 -104.529275928	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-50 40.536477912 -104.529396720	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-51 40.536516832 -104.529520209	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-52 40.536555393 -104.529631185	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-53 40.536592684 -104.529753764	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-54 40.536638494 -104.529867060	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA
AOSS-55 40.536675445 -104.529982484	06/01/13	Surface-1"	<0.020	<0.020	<0.020	<0.020	<2.0	<50.0	<0.050	NA

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

bgs = below ground surface

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

Note: Values presented in bold typeface exceed their respective COGCC - Guidelines (Table 910-1).

Values presented with a "<" symbol indicate concentrations were not observed above the laboratories reporting limit.

NA = Not Analyzed for

# **ATTACHMENT A**

## **Laboratory Analytical Reports**



June 05, 2013

**Eagle Environmental Consulting, Inc.**

**Martin C Eckert III**

**4101 Inca Street**

**Denver**

**CO 80211**

**Project Name - Noble - Dyer 35-67-1 HN**

**Project Number - Dyer 35-67-1 HN**

Attached are you analytical results for Noble - Dyer 35-67-1 HN received by Origins Laboratory, Inc. June 04, 2013. This project is associated with Origins project number X306014-01.

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: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-28 SW-E @ 6"	X306014-01	Soil	June 4, 2013 8:50	06/04/2013 15:10
SS-28 SW-W @ 6"	X306014-02	Soil	June 4, 2013 9:13	06/04/2013 15:10
SS-28 SW-N @ 6"	X306014-03	Soil	June 4, 2013 9:01	06/04/2013 15:10
SS-28 SW-S @ 6"	X306014-04	Soil	June 4, 2013 9:20	06/04/2013 15:10
SS-28-Floor @ 1'1"	X306014-05	Soil	June 4, 2013 9:27	06/04/2013 15:10

Origins Laboratory, Inc.



Noelle E Doyle, President

*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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X306014

Client: Eagle

Client Project ID: Dyer 35-67-1 HN

Checklist Completed by: Jesse Smith

Shipped Via: HTD

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

Date/time completed: 6/4/13 15:14

Airbill #: NA

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

Cooler Number/Temperature: 12.9 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)

Thermometer ID: T002

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water — is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>			X	Soil
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)		X		Soil
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.

*[Signature]*  
 Reviewed by (Project Manager) 0605-13-1516  
 Date/Time Reviewed

Origins Laboratory, Inc.

*[Signature]*

Noelle E Doyle, President

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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**SS-28 SW-E @ 6"**  
**6/4/2013 8:50:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306014-01 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F04007	06/04/2013	06/05/2013	
Surrogate: <i>o</i> -Terphenyl	92.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F04006	06/04/2013	06/04/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	
Surrogate: Toluene-d8	101 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	92.3 %	70-130			"	"	"	

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**SS-28 SW-W @ 6"**  
**6/4/2013 9:13:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306014-02 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F04007	06/04/2013	06/05/2013	
Surrogate: <i>o</i> -Terphenyl	92.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F04006	06/04/2013	06/04/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	101 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	90.1 %	70-130			"	"	"	

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**SS-28 SW-N @ 6"**  
**6/4/2013 9:01:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306014-03 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F04007	06/04/2013	06/05/2013	
<i>Surrogate: o-Terphenyl</i>	92.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F04006	06/04/2013	06/04/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.8 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**SS-28 SW-S @ 6"**  
**6/4/2013 9:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306014-04 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F04007	06/04/2013	06/05/2013	
<i>Surrogate: o-Terphenyl</i>	94.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F04006	06/04/2013	06/04/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	103 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.0 %	70-130			"	"	"	

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**SS-28-Floor @ 1'1"**  
**6/4/2013 9:27:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306014-05 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F04007	06/04/2013	06/05/2013	
Surrogate: <i>o</i> -Terphenyl	90.3 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F04006	06/04/2013	06/04/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	89.9 %	70-130			"	"	"	

Origins Laboratory, Inc.



Noelle E Doyle, President

*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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F04006 - EPA 5030 (soil)

Blank (3F04006-BLK1)

Prepared: 06/04/2013 Analyzed: 06/04/2013

Gasoline Range Hydrocarbons	ND	0.40	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Xylenes, total	ND	0.0040	"							
Naphthalene	ND	0.010	"							
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.7	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		89.6	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.*

Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F04006 - EPA 5030 (soil)

**LCS (3F04006-BS1)**

Prepared: 06/04/2013 Analyzed: 06/04/2013

Benzene	0.19	0.0040	mg/kg	0.200		95.7	70-130			
Toluene	0.21	0.0040	"	0.200		103	70-130			
Ethylbenzene	0.19	0.0040	"	0.200		96.6	70-130			
m,p-Xylene	0.41	0.0080	"	0.400		102	70-130			
o-Xylene	0.22	0.0040	"	0.200		110	70-130			
Naphthalene	0.19	0.010	"	0.200		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	59		ug/kg	62.5		94.7	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F04006 - EPA 5030 (soil)

Matrix Spike (3F04006-MS1)	Source: X306014-01			Prepared: 06/04/2013 Analyzed: 06/04/2013						
Benzene	0.19	0.0040	mg/kg	0.200	ND	96.0	70-130			
Toluene	0.20	0.0040	"	0.200	ND	99.6	70-130			
Ethylbenzene	0.20	0.0040	"	0.200	ND	99.7	70-130			
m,p-Xylene	0.41	0.0080	"	0.400	ND	102	70-130			
o-Xylene	0.22	0.0040	"	0.200	ND	110	70-130			
Naphthalene	0.19	0.010	"	0.200	0.0006	93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	57		ug/kg	62.5		90.5	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F04006 - EPA 5030 (soil)

Matrix Spike Dup (3F04006-MSD1)	Source: X306014-01			Prepared: 06/04/2013 Analyzed: 06/04/2013						
Benzene	0.19	0.0040	mg/kg	0.200	ND	94.9	70-130	1.17	20	
Toluene	0.20	0.0040	"	0.200	ND	101	70-130	1.71	20	
Ethylbenzene	0.20	0.0040	"	0.200	ND	98.8	70-130	0.846	20	
m,p-Xylene	0.40	0.0080	"	0.400	ND	101	70-130	1.30	20	
o-Xylene	0.22	0.0040	"	0.200	ND	112	70-130	1.80	20	
Naphthalene	0.19	0.010	"	0.200	0.0006	97.0	70-130	3.68	20	
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.3	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.9	70-130			

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 8015M - 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 3F04007 - EPA 3580**

**Blank (3F04007-BLK1)**

Prepared: 06/04/2013 Analyzed: 06/05/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	43		g	50.0		86.6	59-131			

**LCS (3F04007-BS1)**

Prepared: 06/04/2013 Analyzed: 06/05/2013

Diesel (C10-C28)	875	50.0	mg/kg	1000		87.5	64-121			
Surrogate: o-Terphenyl	61		g	50.0		121	59-131			

**Matrix Spike (3F04007-MS1)**

**Source: X306014-01**

Prepared: 06/04/2013 Analyzed: 06/05/2013

Diesel (C10-C28)	924	50.0	mg/kg	1000	27.0	89.7	53-125			
Surrogate: o-Terphenyl	62		g	50.0		123	59-131			

**Matrix Spike Dup (3F04007-MSD1)**

**Source: X306014-01**

Prepared: 06/04/2013 Analyzed: 06/05/2013

Diesel (C10-C28)	911	50.0	mg/kg	1000	27.0	88.4	53-125	1.44	20	
Surrogate: o-Terphenyl	61		g	50.0		122	59-131			

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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

---

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit  
RPD Relative Percent Difference

Origins Laboratory, Inc.



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---

Noelle E Doyle, President



June 02, 2013

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Dyer 35-67-1 HN**

**Project Number - Dyer 35-67-1 HN**

Attached are you analytical results for Noble - Dyer 35-67-1 HN received by Origins Laboratory, Inc. June 01, 2013. This project is associated with Origins project number X306002-01.

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: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AOSS-1	X306002-01	Soil	June 1, 2013 7:32	06/01/2013 13:24
AOSS-2	X306002-02	Soil	June 1, 2013 7:34	06/01/2013 13:24
AOSS-3	X306002-03	Soil	June 1, 2013 7:36	06/01/2013 13:24
AOSS-4	X306002-04	Soil	June 1, 2013 7:37	06/01/2013 13:24
AOSS-5	X306002-05	Soil	June 1, 2013 7:39	06/01/2013 13:24
AOSS-6	X306002-06	Soil	June 1, 2013 7:41	06/01/2013 13:24
AOSS-7	X306002-07	Soil	June 1, 2013 7:43	06/01/2013 13:24
AOSS-8	X306002-08	Soil	June 1, 2013 7:45	06/01/2013 13:24
AOSS-9	X306002-09	Soil	June 1, 2013 7:47	06/01/2013 13:24
AOSS-10	X306002-10	Soil	June 1, 2013 7:48	06/01/2013 13:24
AOSS-11	X306002-11	Soil	June 1, 2013 7:52	06/01/2013 13:24
AOSS-12	X306002-12	Soil	June 1, 2013 7:54	06/01/2013 13:24
AOSS-13	X306002-13	Soil	June 1, 2013 7:56	06/01/2013 13:24
AOSS-14	X306002-14	Soil	June 1, 2013 7:58	06/01/2013 13:24

Origins Laboratory, Inc.



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4101 Inca Street  
Denver CO 80211

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AOSS-15	X306002-15	Soil	June 1, 2013 8:00	06/01/2013 13:24
AOSS-16	X306002-16	Soil	June 1, 2013 8:03	06/01/2013 13:24
AOSS-17	X306002-17	Soil	June 1, 2013 8:05	06/01/2013 13:24
AOSS-18	X306002-18	Soil	June 1, 2013 8:07	06/01/2013 13:24
AOSS-19	X306002-19	Soil	June 1, 2013 8:11	06/01/2013 13:24
AOSS-20	X306002-20	Soil	June 1, 2013 8:14	06/01/2013 13:24
AOSS-21	X306002-21	Soil	June 1, 2013 8:16	06/01/2013 13:24
AOSS-22	X306002-22	Soil	June 1, 2013 8:18	06/01/2013 13:24
AOSS-23	X306002-23	Soil	June 1, 2013 8:20	06/01/2013 13:24
AOSS-24	X306002-24	Soil	June 1, 2013 8:22	06/01/2013 13:24
AOSS-25	X306002-25	Soil	June 1, 2013 8:25	06/01/2013 13:24
AOSS-26	X306002-26	Soil	June 1, 2013 8:27	06/01/2013 13:24
AOSS-27	X306002-27	Soil	June 1, 2013 8:30	06/01/2013 13:24
AOSS-28	X306002-28	Soil	June 1, 2013 8:32	06/01/2013 13:24

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Denver CO 80211

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AOSS-29	X306002-29	Soil	June 1, 2013 8:34	06/01/2013 13:24
AOSS-30	X306002-30	Soil	June 1, 2013 8:37	06/01/2013 13:24
AOSS-31	X306002-31	Soil	June 1, 2013 8:39	06/01/2013 13:24
AOSS-32	X306002-32	Soil	June 1, 2013 8:41	06/01/2013 13:24
AOSS-33	X306002-33	Soil	June 1, 2013 8:47	06/01/2013 13:24
AOSS-34	X306002-34	Soil	June 1, 2013 8:50	06/01/2013 13:24
AOSS-35	X306002-35	Soil	June 1, 2013 8:53	06/01/2013 13:24
AOSS-36	X306002-36	Soil	June 1, 2013 8:55	06/01/2013 13:24
AOSS-37	X306002-37	Soil	June 1, 2013 8:58	06/01/2013 13:24
AOSS-38	X306002-38	Soil	June 1, 2013 9:01	06/01/2013 13:24
AOSS-39	X306002-39	Soil	June 1, 2013 9:03	06/01/2013 13:24
AOSS-40	X306002-40	Soil	June 1, 2013 9:06	06/01/2013 13:24
AOSS-41	X306002-41	Soil	June 1, 2013 9:09	06/01/2013 13:24
AOSS-42	X306002-42	Soil	June 1, 2013 9:11	06/01/2013 13:24

Origins Laboratory, Inc.



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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AOSS-43	X306002-43	Soil	June 1, 2013 9:14	06/01/2013 13:24
AOSS-44	X306002-44	Soil	June 1, 2013 9:16	06/01/2013 13:24
AOSS-45	X306002-45	Soil	June 1, 2013 9:18	06/01/2013 13:24
AOSS-46	X306002-46	Soil	June 1, 2013 9:20	06/01/2013 13:24
AOSS-47	X306002-47	Soil	June 1, 2013 9:31	06/01/2013 13:24
AOSS-48	X306002-48	Soil	June 1, 2013 9:34	06/01/2013 13:24
AOSS-49	X306002-49	Soil	June 1, 2013 9:38	06/01/2013 13:24
AOSS-50	X306002-50	Soil	June 1, 2013 9:43	06/01/2013 13:24
AOSS-51	X306002-51	Soil	June 1, 2013 9:45	06/01/2013 13:24
AOSS-52	X306002-52	Soil	June 1, 2013 9:49	06/01/2013 13:24
AOSS-53	X306002-53	Soil	June 1, 2013 9:50	06/01/2013 13:24
AOSS-54	X306002-54	Soil	June 1, 2013 9:53	06/01/2013 13:24
AOSS-55	X306002-55	Soil	June 1, 2013 9:58	06/01/2013 13:24

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

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X300002 page 3 of 6



Project Manager: M. ECKERT  
 Project Name: DYER - 35-67-1 HN  
 Project Number: NCE/DC

Client: EAGLE ENVIRONMENTAL CONSULTING, INC  
 Address: 4101 INCA ST DENVER 8  
 Telephone Number: 303-884-7891  
 Email Address: MCE3@EAGLE-ENVIR.COM

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

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 Canister #			Other	
A055-21	6/1/13	0814	1	✓				✓						
A055-22		0818												
A055-23		0820												
A055-24		0822												
A055-25		0825												
A055-26		0827												
A055-27		0830												
A055-28		0832												
A055-29		0824												
A055-30		0857												
Relinquished By: [Signature]	Date: 6/1/13	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24
Relinquished By: [Signature]	Date: 6/1/13	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24	Time: 13:24

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

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

**Sample Receipt Checklist**

Origins Work Order: V306002 Client: EAGLE  
 Client Project ID: DYER 35-67-1 HN  
 Checklist Completed by: [Signature] Shipped Via: H/D  
 Date/time completed: 6-6/1/13 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 1.5 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: T002

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)?	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	SOIL
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 analysis in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			X	SOIL
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.

[Signature]  
 Reviewed by (Project Manager) 06-02-13 1759  
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-1  
 6/1/2013 7:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>85.9 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>99.6 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>98.8 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.4 %</i>	<i>70-130</i>			"	"	"	

Origins Laboratory, Inc.



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Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-2  
 6/1/2013 7:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.2 %	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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-3**

**6/1/2013 7:36:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 X306002-03 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>86.8 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.0 %</i>	<i>70-130</i>			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-4  
 6/1/2013 7:37:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-04 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>85.9 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>107 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.3 %</i>	<i>70-130</i>			"	"	"	

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 Project: Noble - Dyer 35-67-1 HN

AOSS-5  
 6/1/2013 7:39:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-05 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	84.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.8 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.2 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.0 %	70-130			"	"	"	

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 Project: Noble - Dyer 35-67-1 HN

**AOSS-6**

**6/1/2013 7:41:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 X306002-06 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013
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<i>Surrogate: o-Terphenyl</i>	<i>88.7 %</i>	<i>59-131</i>			"	"	"
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013
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Benzene	ND	0.0040	"	"	"	"	"
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Toluene	ND	0.0040	"	"	"	"	"
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Ethylbenzene	ND	0.0040	"	"	"	"	"
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Xylenes, total	ND	0.0040	"	"	"	"	"
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Napthalene	ND	0.010	"	"	"	"	"
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>105 %</i>	<i>70-130</i>			"	"	"
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<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70-130</i>			"	"	"
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<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.1 %</i>	<i>70-130</i>			"	"	"
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AOSS-7  
 6/1/2013 7:43:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-07 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.0 %	70-130			"	"	"	

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 Project: Noble - Dyer 35-67-1 HN

**AOSS-8**

**6/1/2013 7:45:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 X306002-08 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>83.6 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>98.4 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89.8 %</i>	<i>70-130</i>			"	"	"	

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-9**

6/1/2013 7:47:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 X306002-09 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013
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<i>Surrogate: o-Terphenyl</i>	86.7 %	59-131			"	"	"
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013
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Benzene	ND	0.0040	"	"	"	"	"
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Toluene	ND	0.0040	"	"	"	"	"
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Ethylbenzene	ND	0.0040	"	"	"	"	"
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Xylenes, total	ND	0.0040	"	"	"	"	"
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Naphthalene	ND	0.010	"	"	"	"	"
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"
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<i>Surrogate: Toluene-d8</i>	99.3 %	70-130			"	"	"
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<i>Surrogate: 4-Bromofluorobenzene</i>	91.2 %	70-130			"	"	"
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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-10**  
**6/1/2013 7:48:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306002-10 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	92.5 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	103 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.4 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-11  
 6/1/2013 7:52:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-11 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.2 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	109 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.2 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.5 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-12  
 6/1/2013 7:54:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-12 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	107 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.0 %	70-130			"	"	"	

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 Project Number: Dyer 35-67-1 HN  
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AOSS-13  
 6/1/2013 7:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-13 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	87.5 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.4 %	70-130			"	"	"	

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 Denver CO 80211

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-14**  
**6/1/2013 7:58:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306002-14 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>85.2 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>106 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>97.6 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.0 %</i>	<i>70-130</i>			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-15**  
**6/1/2013 8:00:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306002-15 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	107 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.2 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.9 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-16  
 6/1/2013 8:03:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-16 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>85.0 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>105 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.3 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.5 %</i>	<i>70-130</i>			"	"	"	

Origins Laboratory, Inc.



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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-17  
 6/1/2013 8:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-17 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	87.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.8 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-18  
 6/1/2013 8:07:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-18 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>85.8 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>103 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>98.7 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.1 %</i>	<i>70-130</i>			"	"	"	

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 Project: Noble - Dyer 35-67-1 HN

AOSS-19  
 6/1/2013 8:11:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-19 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	85.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-20  
 6/1/2013 8:14:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-20 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.9 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-21  
 6/1/2013 8:16:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-21 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.9 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	103 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-22  
 6/1/2013 8:18:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-22 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.1 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-23**

**6/1/2013 8:20:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 X306002-23 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013
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<i>Surrogate: o-Terphenyl</i>	<i>89.0 %</i>	<i>59-131</i>			"	"	"
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013
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Benzene	ND	0.020	"	"	"	"	"
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Toluene	ND	0.020	"	"	"	"	"
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Ethylbenzene	ND	0.020	"	"	"	"	"
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Xylenes, total	ND	0.020	"	"	"	"	"
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Napthalene	ND	0.050	"	"	"	"	"
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>	<i>70-130</i>			"	"	"
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<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70-130</i>			"	"	"
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<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>70-130</i>			"	"	"
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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-24  
 6/1/2013 8:22:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-24 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.1 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	103 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-25  
 6/1/2013 8:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-25 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	88.3 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-26  
 6/1/2013 8:27:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-26 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-27  
 6/1/2013 8:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-27 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-28  
 6/1/2013 8:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-28 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.2 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.0 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	95.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.5 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-29  
 6/1/2013 8:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-29 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	87.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.8 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.1 %	70-130			"	"	"	

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-30  
 6/1/2013 8:37:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-30 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	87.0 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.1 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-31  
 6/1/2013 8:39:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-31 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>87.1 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	1.0	mg/kg	2.5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.010	"	"	"	"	"	
Toluene	ND	0.010	"	"	"	"	"	
Ethylbenzene	ND	0.010	"	"	"	"	"	
Xylenes, total	ND	0.010	"	"	"	"	"	
Naphthalene	ND	0.025	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>95.2 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.9 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-32  
 6/1/2013 8:41:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-32 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>85.1 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>98.8 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>98.9 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.5 %</i>	<i>70-130</i>			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-33  
 6/1/2013 8:47:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-33 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	90.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.4 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-34  
 6/1/2013 8:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-34 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.0 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-35  
 6/1/2013 8:53:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-35 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.7 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-36  
 6/1/2013 8:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-36 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	91.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-37**

**6/1/2013 8:58:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
 X306002-37 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013
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<i>Surrogate: o-Terphenyl</i>	89.9 %	59-131			"	"	"
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013
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Benzene	ND	0.020	"	"	"	"	"
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Toluene	ND	0.020	"	"	"	"	"
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Ethylbenzene	ND	0.020	"	"	"	"	"
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Xylenes, total	ND	0.020	"	"	"	"	"
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Napthalene	ND	0.050	"	"	"	"	"
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<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130			"	"	"
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<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"
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<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"
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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-38  
 6/1/2013 9:01:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-38 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>88.0 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>99.5 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-39  
 6/1/2013 9:03:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-39 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>88.0 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**AOSS-40**  
**6/1/2013 9:06:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X306002-40 (Soil)**

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.8 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>98.0 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.7 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-41  
 6/1/2013 9:09:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-41 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	90.6 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-42  
 6/1/2013 9:11:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-42 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.5 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-43  
 6/1/2013 9:14:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-43 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	89.2 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.5 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.6 %	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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-44  
 6/1/2013 9:16:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-44 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	87.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/01/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.5 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-45  
 6/1/2013 9:18:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-45 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	91.3 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-46  
 6/1/2013 9:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-46 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	87.9 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.6 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-47  
 6/1/2013 9:31:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-47 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.9 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.2 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-48  
 6/1/2013 9:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-48 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.8 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.7 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-49  
 6/1/2013 9:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-49 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.0 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.5 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-50  
 6/1/2013 9:43:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-50 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	86.7 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-51  
 6/1/2013 9:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-51 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>88.7 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.9 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-52  
 6/1/2013 9:49:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-52 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	87.9 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	100 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-53  
 6/1/2013 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-53 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.7 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.8 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-54  
 6/1/2013 9:53:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-54 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.7 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Naphthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.6 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

AOSS-55  
 6/1/2013 9:58:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306002-55 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.3 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	2.0	mg/kg	5	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.020	"	"	"	"	"	
Toluene	ND	0.020	"	"	"	"	"	
Ethylbenzene	ND	0.020	"	"	"	"	"	
Xylenes, total	ND	0.020	"	"	"	"	"	
Napthalene	ND	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>70-130</i>			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F01003 - EPA 5030 (soil)

Blank (3F01003-BLK1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	ND	0.10	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>62</i>		<i>ug/kg</i>	<i>62.5</i>		<i>99.9</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56</i>		<i>"</i>	<i>62.5</i>		<i>90.4</i>	<i>70-130</i>			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F01003 - EPA 5030 (soil)

Blank (3F01003-BLK2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	ND	0.10	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>97.3</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.9</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56</i>		<i>"</i>	<i>62.5</i>		<i>89.4</i>	<i>70-130</i>			

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F01003 - EPA 5030 (soil)

LCS (3F01003-BS1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.19	0.0040	mg/kg	0.200		94.9	70-130			
Toluene	0.21	0.0040	"	0.200		105	70-130			
Ethylbenzene	0.20	0.0040	"	0.200		99.3	70-130			
Naphthalene	0.24	0.010	"	0.200		118	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>58</i>		<i>ug/kg</i>	<i>62.5</i>		<i>92.0</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.9</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

LCS (3F01003-BS2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.20	0.0040	mg/kg	0.200		97.6	70-130			
Toluene	0.21	0.0040	"	0.200		105	70-130			
Ethylbenzene	0.21	0.0040	"	0.200		103	70-130			
Naphthalene	0.25	0.010	"	0.200		125	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>90.6</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.3</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

Matrix Spike (3F01003-MS1)	Source: X305171-16			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.20	0.0040	mg/kg	0.200	ND	98.1	70-130			
Toluene	0.20	0.0040	"	0.200	ND	101	70-130			
Ethylbenzene	0.20	0.0040	"	0.200	ND	101	70-130			
Naphthalene	0.22	0.010	"	0.200	ND	111	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56</i>		<i>ug/kg</i>	<i>62.5</i>		<i>89.7</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>61</i>		<i>"</i>	<i>62.5</i>		<i>97.9</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.1</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

Matrix Spike (3F01003-MS2)	Source: X305171-17			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.20	0.0040	mg/kg	0.200	ND	100	70-130			
Toluene	0.22	0.0040	"	0.200	ND	108	70-130			
Ethylbenzene	0.21	0.0040	"	0.200	ND	104	70-130			
Naphthalene	0.24	0.010	"	0.200	0.0007	120	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>91.0</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>64</i>		<i>"</i>	<i>62.5</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56</i>		<i>"</i>	<i>62.5</i>		<i>90.1</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

Matrix Spike Dup (3F01003-MSD1)	Source: X305171-16			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.19	0.0040	mg/kg	0.200	ND	93.3	70-130	5.06	20	
Toluene	0.20	0.0040	"	0.200	ND	98.0	70-130	3.25	20	
Ethylbenzene	0.19	0.0040	"	0.200	ND	97.2	70-130	3.42	20	
Naphthalene	0.23	0.010	"	0.200	ND	114	70-130	2.68	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>91.1</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>57</i>		<i>"</i>	<i>62.5</i>		<i>91.6</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

Matrix Spike Dup (3F01003-MSD2)	Source: X305171-17			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.19	0.0040	mg/kg	0.200	ND	95.8	70-130	4.61	20	
Toluene	0.20	0.0040	"	0.200	ND	102	70-130	5.89	20	
Ethylbenzene	0.20	0.0040	"	0.200	ND	98.4	70-130	5.90	20	
Naphthalene	0.24	0.010	"	0.200	0.0007	118	70-130	1.66	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>90.8</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>64</i>		<i>"</i>	<i>62.5</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.3</i>	<i>70-130</i>			

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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 3F02001 - EPA 5030 (soil)

Blank (3F02001-BLK1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	ND	0.40	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>62</i>		<i>ug/kg</i>	<i>62.5</i>		<i>99.5</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>61</i>		<i>"</i>	<i>62.5</i>		<i>97.8</i>	<i>70-130</i>			

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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 3F02001 - EPA 5030 (soil)

Blank (3F02001-BLK2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	0.0		mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>62</i>		<i>ug/kg</i>	<i>62.5</i>		<i>98.8</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>61</i>		<i>"</i>	<i>62.5</i>		<i>97.7</i>	<i>70-130</i>			

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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 3F02001 - EPA 5030 (soil)

LCS (3F02001-BS1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.41	0.0040	mg/kg	0.400		102	70-130			
Toluene	0.47	0.0040	"	0.400		117	70-130			
Ethylbenzene	0.43	0.0040	"	0.400		106	70-130			
Naphthalene	0.44	0.010	"	0.400		110	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>96.9</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			

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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 3F02001 - EPA 5030 (soil)

LCS (3F02001-BS2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.42	0.0040	mg/kg	0.400		105	70-130			
Toluene	0.48	0.0040	"	0.400		120	70-130			
Ethylbenzene	0.44	0.0040	"	0.400		109	70-130			
Naphthalene	0.50	0.010	"	0.400		124	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>97.0</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.4</i>	<i>70-130</i>			

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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 3F02001 - EPA 5030 (soil)

LCS Dup (3F02001-BSD1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.40	0.0040	mg/kg	0.400		99.4	70-130	2.65	20	
Toluene	0.45	0.0040	"	0.400		112	70-130	3.82	20	
Ethylbenzene	0.41	0.0040	"	0.400		101	70-130	4.80	20	
Naphthalene	0.51	0.010	"	0.400		129	70-130	15.2	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>96.9</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.6</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			

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**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3F02001 - EPA 5030 (soil)

LCS Dup (3F02001-BSD2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.42	0.0040	mg/kg	0.400		105	70-130	0.124	20	
Toluene	0.48	0.0040	"	0.400		120	70-130	0.542	20	
Ethylbenzene	0.44	0.0040	"	0.400		109	70-130	0.358	20	
Naphthalene	0.51	0.010	"	0.400		129	70-130	3.74	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>98.2</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.5</i>	<i>70-130</i>			

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**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 8015M - 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 3F01004 - EPA 3580

**Blank (3F01004-BLK1)**

Prepared: 06/01/2013 Analyzed: 06/01/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	43		g	50.0		85.1	59-131			

**Blank (3F01004-BLK2)**

Prepared: 06/01/2013 Analyzed: 06/01/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	43		g	50.0		85.9	59-131			

**LCS (3F01004-BS1)**

Prepared: 06/01/2013 Analyzed: 06/01/2013

Diesel (C10-C28)	967	50.0	mg/kg	1000		96.7	64-121			
Surrogate: o-Terphenyl	44		g	50.0		88.1	59-131			

**LCS (3F01004-BS2)**

Prepared: 06/01/2013 Analyzed: 06/01/2013

Diesel (C10-C28)	897	50.0	mg/kg	1000		89.7	64-121			
Surrogate: o-Terphenyl	42		g	50.0		83.3	59-131			

**Matrix Spike (3F01004-MS1)**

Source: X305171-19

Prepared: 06/01/2013 Analyzed: 06/01/2013

Diesel (C10-C28)	901	50.0	mg/kg	1000	ND	90.1	53-125			
Surrogate: o-Terphenyl	41		g	50.0		83.0	59-131			

**Matrix Spike (3F01004-MS2)**

Source: X305171-20

Prepared: 06/01/2013 Analyzed: 06/01/2013

Diesel (C10-C28)	1840	50.0	mg/kg	1000	724	112	53-125			
Surrogate: o-Terphenyl	57		g	50.0		115	59-131			

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3F01004 - EPA 3580</b>										
<b>Matrix Spike Dup (3F01004-MSD1)</b>		<b>Source: X305171-19</b>			Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	942	50.0	mg/kg	1000	ND	94.2	53-125	4.37	20	
Surrogate: <i>o</i> -Terphenyl	43		<i>g</i>	50.0		85.1	59-131			
<b>Matrix Spike Dup (3F01004-MSD2)</b>		<b>Source: X305171-20</b>			Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	1190	50.0	mg/kg	1000	724	46.6	53-125	42.9	20	QM-01
Surrogate: <i>o</i> -Terphenyl	53		<i>g</i>	50.0		106	59-131			
<b>Batch 3F01006 - EPA 3580</b>										
<b>Blank (3F01006-BLK1)</b>					Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: <i>o</i> -Terphenyl	45		<i>g</i>	50.0		89.2	59-131			
<b>Blank (3F01006-BLK2)</b>					Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: <i>o</i> -Terphenyl	46		<i>g</i>	50.0		91.0	59-131			
<b>LCS (3F01006-BS1)</b>					Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	813	50.0	mg/kg	1000		81.3	64-121			
Surrogate: <i>o</i> -Terphenyl	44		<i>g</i>	50.0		88.7	59-131			
<b>LCS (3F01006-BS2)</b>					Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	805	50.0	mg/kg	1000		80.5	64-121			
Surrogate: <i>o</i> -Terphenyl	46		<i>g</i>	50.0		91.4	59-131			
<b>Matrix Spike (3F01006-MS1)</b>		<b>Source: X306002-31</b>			Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	858	50.0	mg/kg	1000	ND	85.8	53-125			
Surrogate: <i>o</i> -Terphenyl	44		<i>g</i>	50.0		88.2	59-131			

Origins Laboratory, Inc.



Noelle E Doyle, President

*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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3F01006 - EPA 3580</b>										
<b>Matrix Spike (3F01006-MS2)</b>		<b>Source: X306002-32</b>			Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	831	50.0	mg/kg	1000	ND	83.1	53-125			
<i>Surrogate: o-Terphenyl</i>	42		<i>g</i>	50.0		84.3	59-131			
<b>Matrix Spike Dup (3F01006-MSD1)</b>		<b>Source: X306002-31</b>			Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	775	50.0	mg/kg	1000	ND	77.5	53-125	10.2	20	
<i>Surrogate: o-Terphenyl</i>	45		<i>g</i>	50.0		89.6	59-131			
<b>Matrix Spike Dup (3F01006-MSD2)</b>		<b>Source: X306002-32</b>			Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	706	50.0	mg/kg	1000	ND	70.6	53-125	16.3	20	
<i>Surrogate: o-Terphenyl</i>	43		<i>g</i>	50.0		85.3	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.*

Noelle E Doyle, President

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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

---

### Notes and Definitions

- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

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.*

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Noelle E Doyle, President

# Certificate of Analysis



June 3, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053107

Date Received: 05/31/13

Number of Samples Received: 7

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

Analysis	EPA Method	Lab ID on COC
BTEX / Nap	8260C	1 - 5
TPH - GRO/DRO	8260C/8015C	1 - 5
Arsenic	6010C	1 - 7

All quality control analyses associated with the requested analyses were satisfactorily passed before the samples were run. If you have any questions please give us a call, we are happy to help.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you, we truly appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Dieken", written in a cursive style.

Christopher Dieken  
Quality Assurance Manager  
eAnalytics Laboratory  
(970) 667-6975  
info@eAnalyticsLab.com













# Certificate of Analysis

## eANALYTICS LABORATORY

June 1, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053110B

Date Received: 05/31/13

Number of Samples Received: 12

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

Analysis	EPA Method	Lab ID on COC
BTEX / Nap	8260C	21 - 32
TPH - GRO/DRO	8260C/8015C	21 - 32

All quality control analyses associated with the requested analyses were satisfactorily passed before the samples were run. If you have any questions please give us a call, we are happy to help.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you, we truly appreciate your business.

Sincerely,



Christopher Dieken  
Quality Assurance Manager  
eAnalytics Laboratory  
(970) 667-6975  
info@eAnalyticsLab.com



A2LA & Department of Defense (DoD) Certified







# Certificate of Analysis

## eANALYTICS LABORATORY

June 1, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053110A

Date Received: 05/31/13

Number of Samples Received: 20

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

Analysis	EPA Method	Lab ID on COC
BTEX / Nap	8260C	1 - 20
TPH - GRO/DRO	8260C/8015C	1 - 20

All quality control analyses associated with the requested analyses were satisfactorily passed before the samples were run. If you have any questions please give us a call, we are happy to help.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you, we truly appreciate your business.

Sincerely,



Christopher Dieken  
Quality Assurance Manager  
eAnalytics Laboratory  
(970) 667-6975  
info@eAnalyticsLab.com



A2LA & Department of Defense (DoD) Certified

# Certificate of Analysis

Sample Analysis



June 1, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053110A

Matrix: SOIL  
Batch ID: EA 05-31-13 C

EPA Method: 8260C BTEX / Nap  
8260C/8015C TPH - GRO/DRO

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl- Benzene mg/kg	Total Xylenes mg/kg	Naph- thalene mg/kg	GRO C <sub>6</sub> -C <sub>10</sub> mg/kg	DRO C <sub>10</sub> -C <sub>28</sub> mg/kg	Date Sampled	Date Analyzed	Lab ID
FS-1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-01
FS-2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-02
FS-3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-03
FS-4	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-04
FS-5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-05
FS-6	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-06
FS-7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-07
FS-8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-08
FS-9	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-09
FS-10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-10
FS-11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053110-11
FS-12	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-12
FS-13	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-13
FS-14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-14
FS-15	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-15
FS-16	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-16
FS-17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-17
FS-18	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-18
FS-19	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-19
FS-20	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	06/01/13	053110-20

*Todd Rhea*

Laboratory Manager - eAnalytics Laboratory

# Certificate of Analysis

Surrogate Recoveries  
(%)



June 1, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053110A

EPA Method: 8260C

Sample Name	Dibromofluoromethane	1,2-Dichloroethane-D4	Toluene-D8	Bromofluorobenzene	Date Sampled	Date Analyzed	Lab ID
	(70-130%)	(70-130%)	(70-130%)	(70-130%)			
FS-1	103	100	94	90	05/31/13	05/31/13	053110-01
FS-2	91	88	91	94	05/31/13	05/31/13	053110-02
FS-3	87	87	93	88	05/31/13	05/31/13	053110-03
FS-4	90	95	89	93	05/31/13	05/31/13	053110-04
FS-5	98	103	91	97	05/31/13	05/31/13	053110-05
FS-6	94	92	91	91	05/31/13	05/31/13	053110-06
FS-7	95	91	101	87	05/31/13	05/31/13	053110-07
FS-8	94	92	99	88	05/31/13	05/31/13	053110-08
FS-9	103	92	103	94	05/31/13	05/31/13	053110-09
FS-10	96	103	92	89	05/31/13	05/31/13	053110-10
FS-11	87	94	93	101	05/31/13	05/31/13	053110-11
FS-12	97	88	95	87	05/31/13	06/01/13	053110-12
FS-13	98	93	87	95	05/31/13	06/01/13	053110-13
FS-14	98	93	89	87	05/31/13	06/01/13	053110-14
FS-15	102	100	103	102	05/31/13	06/01/13	053110-15
FS-16	98	101	97	102	05/31/13	06/01/13	053110-16
FS-17	94	96	92	96	05/31/13	06/01/13	053110-17
FS-18	103	94	99	87	05/31/13	06/01/13	053110-18
FS-19	89	102	101	99	05/31/13	06/01/13	053110-19
FS-20	94	99	93	89	05/31/13	06/01/13	053110-20

*Todd Rhea*

Laboratory Manager - eAnalytics Laboratory



# Certificate of Analysis

## eANALYTICS LABORATORY

May 31, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053106B

Date Received: 05/31/13

Number of Samples Received: 12

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

Analysis	EPA Method	Lab ID on COC
BTEX / Nap	8260C	21 - 32
TPH - GRO/DRO	8260C/8015C	21 - 32

All quality control analyses associated with the requested analyses were satisfactorily passed before the samples were run. If you have any questions please give us a call, we are happy to help.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you, we truly appreciate your business.

Sincerely,



Christopher Dieken  
Quality Assurance Manager  
eAnalytics Laboratory  
(970) 667-6975  
info@eAnalyticsLab.com



A2LA & Department of Defense (DoD) Certified

# Certificate of Analysis

Sample Analysis



May 31, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053106B

Matrix: SOIL  
Batch ID: EA 05-31-13

EPA Method: 8260C      BTEX / Nap  
8260C/8015C      TPH - GRO/DRO

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl- Benzene mg/kg	Total Xylenes mg/kg	Naph- thalene mg/kg	GRO C <sub>6</sub> -C <sub>10</sub> mg/kg	DRO C <sub>10</sub> -C <sub>28</sub> mg/kg	Date Sampled	Date Analyzed	Lab ID
SSF-21	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-21
SSF-22	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-22
SSF-23	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-23
SSF-24	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-24
SSF-25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-25
SSF-26	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-26
SSF-27	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-27
SSF-28	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-28
SSF-29	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-29
SSF-30	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-30
SSF-31	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-31
SSF-32	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-32

*Todd Rhea*

Laboratory Manager - eAnalytics Laboratory





# Certificate of Analysis

## eANALYTICS LABORATORY

May 31, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053106A

Date Received: 05/31/13

Number of Samples Received: 20

Sample Condition: Samples arrived intact and in appropriate sample containers

Sample Temperature: Within acceptable range of 2-6° C, or as specified in EPA Method

Analysis	EPA Method	Lab ID on COC
BTEX / Nap	8260C	1 - 20
TPH - GRO/DRO	8260C/8015C	1 - 20

All quality control analyses associated with the requested analyses were satisfactorily passed before the samples were run. If you have any questions please give us a call, we are happy to help.

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you, we truly appreciate your business.

Sincerely,



Christopher Dieken  
Quality Assurance Manager  
eAnalytics Laboratory  
(970) 667-6975  
info@eAnalyticsLab.com



A2LA & Department of Defense (DoD) Certified

# Certificate of Analysis

Sample Analysis



May 31, 2013

Client: Eagle Environmental  
4101 Inca Street  
Denver, CO 80211

Project: Dyer 35-67-1HN

Lab ID: 053106A

Matrix: SOIL  
Batch ID: EA 05-31-13

EPA Method: 8260C      BTEX / Nap  
8260C/8015C      TPH - GRO/DRO

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl- Benzene mg/kg	Total Xylenes mg/kg	Naph- thalene mg/kg	GRO C <sub>6</sub> -C <sub>10</sub> mg/kg	DRO C <sub>10</sub> -C <sub>28</sub> mg/kg	Date Sampled	Date Analyzed	Lab ID
SSF-1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-01
SSF-2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-02
SSF-3	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-03
SSF-4	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-04
SSF-5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-05
SSF-6	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-06
SSF-7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-07
SSF-8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-08
SSF-9	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-09
SSF-10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-10
SSF-11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-11
SSF-12	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-12
SSF-13	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-13
SSF-14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-14
SSF-15	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-15
SSF-16	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-16
SSF-17	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-17
SSF-18	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-18
SSF-19	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-19
SSF-20	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 50	< 50	05/31/13	05/31/13	053106-20

*Todd Rhea*

Laboratory Manager - eAnalytics Laboratory







June 02, 2013

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Dyer 35-67-1 HN**

**Project Number - Dyer 35-67-1 HN**

Attached are you analytical results for Noble - Dyer 35-67-1 HN received by Origins Laboratory, Inc. June 01, 2013. This project is associated with Origins project number X306003-01.

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: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-6 @ 1"	X306003-01	Soil	June 1, 2013 10:46	06/01/2013 13:24
SS-7 @ 3"	X306003-02	Soil	June 1, 2013 10:50	06/01/2013 13:24
SS-8 @ 1"	X306003-03	Soil	June 1, 2013 10:52	06/01/2013 13:24
SS-37 @ 1"	X306003-04	Soil	June 1, 2013 10:59	06/01/2013 13:24
SS-38 @ 1"	X306003-05	Soil	June 1, 2013 11:00	06/01/2013 13:24
SS-39 @ 1"	X306003-06	Soil	June 1, 2013 11:02	06/01/2013 13:24
SS-40 @ 1"	X306003-07	Soil	June 1, 2013 11:04	06/01/2013 13:24
SS-41 @ 1"	X306003-08	Soil	June 1, 2013 11:06	06/01/2013 13:24
SS-42 @ 1"	X306003-09	Soil	June 1, 2013 11:08	06/01/2013 13:24
SS-43 @ 1"	X306003-10	Soil	June 1, 2013 11:10	06/01/2013 13:24
SS-44 @ 1"	X306003-11	Soil	June 1, 2013 11:12	06/01/2013 13:24
SS-45 @ 1"	X306003-12	Soil	June 1, 2013 11:20	06/01/2013 13:24

Origins Laboratory, Inc.



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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

www.originslaboratory.com

page 1 of 2  
**X306003**



Client: Eagle Environmental Consulting, Inc.  
 Address: 4101 Inca St. Denver CO 80211  
 Telephone Number: 303-884-2811  
 Email Address: MC3@eagle-env.com

Project Manager: M. Eckert  
 Project Name: DYER 35-67-1 HN  
 Project Number:  
 Samples Collected By: MCE/DC

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

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 Canister #	Other	DATE		ANALYST
SS-6e1 <sup>1</sup>	6/1/13	1044	1	X				X					1	
SS-7e2 <sup>1</sup>		1050											2	
SS-8e1 <sup>1</sup>		1052											3	
SS-9e1 <sup>1</sup>		1054											4	
SS-38e1 <sup>1</sup>		1100											5	
SS-39e1 <sup>1</sup>		1102											6	
SS-40e1 <sup>1</sup>		1104											7	
SS-41e1 <sup>1</sup>		1106											8	
SS-42e1 <sup>1</sup>		1108											9	
SS-43e1 <sup>1</sup>		1110											10	
Relinquished By: <u>[Signature]</u>	Date: <u>6/1/13</u>	Time: <u>12:24</u>	Received By: <u>[Signature]</u>	Date: <u>06-01-13</u>	Time: <u>12:29</u>	Turnaround Time: <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard								
Relinquished By: <u>[Signature]</u>	Date: <u>6/1/13</u>	Time: <u>12:24</u>	Received By: <u>[Signature]</u>	Date: <u>06-01-13</u>	Time: <u>12:29</u>									

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 Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: X3000003 Client: EAGLE  
 Client Project ID: DYER 35-67  
 Checklist Completed by: [Signature] Shipped Via: A/D  
 Date/time completed: 6/1/13 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 115 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 1002

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTS due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	SOIL
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / ( pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			X	SOIL
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)

06-01-13 12:49  
 Date/Time Reviewed

Origins Laboratory, Inc.



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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-6 @ 1"  
 6/1/2013 10:46:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.2 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>116 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>82.2 %</i>	<i>70-130</i>			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-7 @ 3"  
 6/1/2013 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>88.0 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>106 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>103 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.3 %</i>	<i>70-130</i>			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-8 @ 1"

6/1/2013 10:52:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-03 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	87.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.5 %	70-130			"	"	"	

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-37 @ 1"  
 6/1/2013 10:59:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-04 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	93.3 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	112 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	107 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.7 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-38 @ 1"  
 6/1/2013 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-05 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	93.3 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.5 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-39 @ 1"  
 6/1/2013 11:02:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-06 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	97.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.9 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-40 @ 1"  
 6/1/2013 11:04:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-07 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.5 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>105 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.9 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91.3 %</i>	<i>70-130</i>			"	"	"	

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-41 @ 1"  
 6/1/2013 11:06:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-08 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>88.9 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>102 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>98.4 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.5 %</i>	<i>70-130</i>			"	"	"	

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-42 @ 1"  
 6/1/2013 11:08:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-09 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	90.1 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.8 %	70-130			"	"	"	

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-43 @ 1"  
 6/1/2013 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-10 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	90.9 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.5 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.9 %	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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-44 @ 1"  
 6/1/2013 11:12:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-11 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.5 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>108 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>103 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.6 %</i>	<i>70-130</i>			"	"	"	

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-45 @ 1"  
 6/1/2013 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X306003-12 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01006	06/01/2013	06/02/2013	
<i>Surrogate: o-Terphenyl</i>	<i>89.6 %</i>	<i>59-131</i>			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.40	mg/kg	1	3F02001	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>103 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>97.5 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95.2 %</i>	<i>70-130</i>			"	"	"	

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F02001 - EPA 5030 (soil)

Blank (3F02001-BLK1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	ND	0.40	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.5	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.8	70-130			

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F02001 - EPA 5030 (soil)

Blank (3F02001-BLK2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	0.0		mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.8	70-130			
Surrogate: Toluene-d8	62		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.7	70-130			

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F02001 - EPA 5030 (soil)

LCS (3F02001-BS1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.41	0.0040	mg/kg	0.400		102	70-130			
Toluene	0.47	0.0040	"	0.400		117	70-130			
Ethylbenzene	0.43	0.0040	"	0.400		106	70-130			
Naphthalene	0.44	0.010	"	0.400		110	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>96.9</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F02001 - EPA 5030 (soil)

LCS (3F02001-BS2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.42	0.0040	mg/kg	0.400		105	70-130			
Toluene	0.48	0.0040	"	0.400		120	70-130			
Ethylbenzene	0.44	0.0040	"	0.400		109	70-130			
Naphthalene	0.50	0.010	"	0.400		124	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>97.0</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.4</i>	<i>70-130</i>			

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F02001 - EPA 5030 (soil)

LCS Dup (3F02001-BSD1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.40	0.0040	mg/kg	0.400		99.4	70-130	2.65	20	
Toluene	0.45	0.0040	"	0.400		112	70-130	3.82	20	
Ethylbenzene	0.41	0.0040	"	0.400		101	70-130	4.80	20	
Naphthalene	0.51	0.010	"	0.400		129	70-130	15.2	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>96.9</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.6</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F02001 - EPA 5030 (soil)

LCS Dup (3F02001-BSD2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.42	0.0040	mg/kg	0.400		105	70-130	0.124	20	
Toluene	0.48	0.0040	"	0.400		120	70-130	0.542	20	
Ethylbenzene	0.44	0.0040	"	0.400		109	70-130	0.358	20	
Naphthalene	0.51	0.010	"	0.400		129	70-130	3.74	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>98.2</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.5</i>	<i>70-130</i>			

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 8015M - 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 3F01006 - EPA 3580

**Blank (3F01006-BLK1)**

Prepared: 06/01/2013 Analyzed: 06/02/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	45		g	50.0		89.2	59-131			

**Blank (3F01006-BLK2)**

Prepared: 06/01/2013 Analyzed: 06/02/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	46		g	50.0		91.0	59-131			

**LCS (3F01006-BS1)**

Prepared: 06/01/2013 Analyzed: 06/02/2013

Diesel (C10-C28)	813	50.0	mg/kg	1000		81.3	64-121			
Surrogate: o-Terphenyl	44		g	50.0		88.7	59-131			

**LCS (3F01006-BS2)**

Prepared: 06/01/2013 Analyzed: 06/02/2013

Diesel (C10-C28)	805	50.0	mg/kg	1000		80.5	64-121			
Surrogate: o-Terphenyl	46		g	50.0		91.4	59-131			

**Matrix Spike (3F01006-MS1)**

Source: X306002-31

Prepared: 06/01/2013 Analyzed: 06/02/2013

Diesel (C10-C28)	858	50.0	mg/kg	1000	ND	85.8	53-125			
Surrogate: o-Terphenyl	44		g	50.0		88.2	59-131			

**Matrix Spike (3F01006-MS2)**

Source: X306002-32

Prepared: 06/01/2013 Analyzed: 06/02/2013

Diesel (C10-C28)	831	50.0	mg/kg	1000	ND	83.1	53-125			
Surrogate: o-Terphenyl	42		g	50.0		84.3	59-131			

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**Extractable Petroleum Hydrocarbons by 8015M - 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 3F01006 - EPA 3580

<b>Matrix Spike Dup (3F01006-MSD1)</b>		<b>Source: X306002-31</b>			Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	775	50.0	mg/kg	1000	ND	77.5	53-125	10.2	20	
<i>Surrogate: o-Terphenyl</i>	45		<i>g</i>	50.0		89.6	59-131			
<b>Matrix Spike Dup (3F01006-MSD2)</b>		<b>Source: X306002-32</b>			Prepared: 06/01/2013 Analyzed: 06/02/2013					
Diesel (C10-C28)	706	50.0	mg/kg	1000	ND	70.6	53-125	16.3	20	
<i>Surrogate: o-Terphenyl</i>	43		<i>g</i>	50.0		85.3	59-131			

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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

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**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit  
RPD Relative Percent Difference

Origins Laboratory, Inc.



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---

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June 02, 2013

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Dyer 35-67-1 HN**

**Project Number - Dyer 35-67-1 HN**

Attached are you analytical results for Noble - Dyer 35-67-1 HN received by Origins Laboratory, Inc. May 31, 2013. This project is associated with Origins project number X305171-01.

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: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-9 @ 1"	X305171-01	Soil	May 31, 2013 16:40	05/31/2013 20:39
SS-10 @ 3"	X305171-02	Soil	May 31, 2013 16:38	05/31/2013 20:39
SS-11 @ 1"	X305171-03	Soil	May 31, 2013 16:43	05/31/2013 20:39
SS-12 @ 1"	X305171-04	Soil	May 31, 2013 16:45	05/31/2013 20:39
SS-13 @ 3"	X305171-05	Soil	May 31, 2013 16:49	05/31/2013 20:39
SS-14 @ 1"	X305171-06	Soil	May 31, 2013 16:53	05/31/2013 20:39
SS-15 @ 1"	X305171-07	Soil	May 31, 2013 16:54	05/31/2013 20:39
SS-16 @ 1"	X305171-08	Soil	May 31, 2013 16:58	05/31/2013 20:39
SS-17 @ 1"	X305171-09	Soil	May 31, 2013 16:59	05/31/2013 20:39
SS-18 @ 1"	X305171-10	Soil	May 31, 2013 17:03	05/31/2013 20:39
SS-19 @ 1"	X305171-11	Soil	May 31, 2013 17:06	05/31/2013 20:39
SS-20 @ 1"	X305171-12	Soil	May 31, 2013 17:09	05/31/2013 20:39
SS-21 @ 1' 4"	X305171-13	Soil	May 31, 2013 18:33	05/31/2013 20:39
SS-22 @ 1"	X305171-14	Soil	May 31, 2013 17:17	05/31/2013 20:39

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-23 @ 3"	X305171-15	Soil	May 31, 2013 18:37	05/31/2013 20:39
SS-24 @ 1"	X305171-16	Soil	May 31, 2013 17:22	05/31/2013 20:39
SS-25 @ 1"	X305171-17	Soil	May 31, 2013 17:26	05/31/2013 20:39
SS-26 @ 1"	X305171-18	Soil	May 31, 2013 17:29	05/31/2013 20:39
SS-27 @ 1"	X305171-19	Soil	May 31, 2013 17:34	05/31/2013 20:39
SS-28 @ 3"	X305171-20	Soil	May 31, 2013 17:38	05/31/2013 20:39
SS-29 @ 1"	X305171-21	Soil	May 31, 2013 17:45	05/31/2013 20:39
SS-30 @ 1"	X305171-22	Soil	May 31, 2013 17:50	05/31/2013 20:39
SS-31 @ 1"	X305171-23	Soil	May 31, 2013 17:54	05/31/2013 20:39
SS-32 @ 1"	X305171-24	Soil	May 31, 2013 17:56	05/31/2013 20:39
SS-33 @ 1"	X305171-25	Soil	May 31, 2013 18:02	05/31/2013 20:39
SS-34 @ 1"	X305171-26	Soil	May 31, 2013 18:06	05/31/2013 20:39
SS-35 @ 1"	X305171-27	Soil	May 31, 2013 18:09	05/31/2013 20:39
SS-36 @ 1"	X305171-28	Soil	May 31, 2013 18:13	05/31/2013 20:39

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Noelle E Doyle, President

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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

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Origins Laboratory, Inc.



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Noelle E Doyle, President

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: X305171

Client: EAGLE

Client Project ID: DYER-35-37-1 HN

Checklist Completed by: DAVID MATHIS

Shipped Via: H/D

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

Date/time completed: 05-31-13 2045

Airbill #:

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

Water

Other:

Cooler Number/Temperature: L 3.1 °C

(Describe)

Thermometer ID: T602

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO3, HCL, H2SO4) / ( pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			X	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

05-31-13 2050  
 Date/Time Reviewed

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-9 @ 1"

5/31/2013 4:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	83.2 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.0 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-10 @ 3"

5/31/2013 4:38:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.0 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.6 %	70-130			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-11 @ 1"

5/31/2013 4:43:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-03 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	82.5 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.8 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.1 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-12 @ 1"

5/31/2013 4:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-04 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	84.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.4 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.8 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-13 @ 3"

5/31/2013 4:49:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-05 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	84.3 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.2 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.0 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-14 @ 1"

5/31/2013 4:53:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-06 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>83.0 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>99.5 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.0 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>93.6 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-15 @ 1"

5/31/2013 4:54:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-07 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	84.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.1 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.1 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-16 @ 1"

5/31/2013 4:58:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-08 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.0 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	95.4 %	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: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-17 @ 1"

5/31/2013 4:59:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-09 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.2 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.9 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-18 @ 1"

5/31/2013 5:03:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-10 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.2 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.5 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.1 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Noelle E Doyle, President

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-19 @ 1"

5/31/2013 5:06:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-11 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.8 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.4 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.0 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-20 @ 1"

5/31/2013 5:09:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-12 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	84.9 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	93.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.9 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-21 @ 1' 4"  
 5/31/2013 6:33:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-13 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.3 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	0.515	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	0.0050	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	97.9 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	103 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.1 %	70-130			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-22 @ 1"

5/31/2013 5:17:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-14 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	1.03	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.8 %	70-130			"	"	06/01/2013	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.7 %	70-130			"	"	"	

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-23 @ 3"

5/31/2013 6:37:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-15 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.1 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.6 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-24 @ 1"  
 5/31/2013 5:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-16 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	86.2 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	06/01/2013	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.2 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-25 @ 1"

5/31/2013 5:26:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-17 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.2 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.0 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-26 @ 1"

5/31/2013 5:29:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-18 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>84.1 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>103 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90.6 %</i>	<i>70-130</i>			"	"	"	

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-27 @ 1"  
 5/31/2013 5:34:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-19 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	85.6 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	1.13	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.7 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.0 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-28 @ 3"

5/31/2013 5:38:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-20 (Soil)

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

Diesel (C10-C28)	724	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013
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<i>Surrogate: o-Terphenyl</i>	84.3 %	59-131			"	"	"
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**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	4.02	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013
Benzene	ND	0.0040	"	"	"	"	"
Toluene	ND	0.0040	"	"	"	"	"
Ethylbenzene	ND	0.0040	"	"	"	"	"
Xylenes, total	ND	0.0040	"	"	"	"	"
Naphthalene	0.0284	0.010	"	"	"	"	"

<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130			"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>	96.4 %	70-130			"	"	"

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-29 @ 1"

5/31/2013 5:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-21 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	84.3 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.7 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.4 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-30 @ 1"  
 5/31/2013 5:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-22 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	84.9 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
m,p-Xylene	ND	0.0080	"	"	"	"	"	
o-Xylene	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.9 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-31 @ 1"

5/31/2013 5:54:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-23 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>81.4 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>103 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>100 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92.9 %</i>	<i>70-130</i>			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-32 @ 1"

5/31/2013 5:56:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-24 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	82.9 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	90.3 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-33 @ 1"

5/31/2013 6:02:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-25 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	83.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.6 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	92.4 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-34 @ 1"

5/31/2013 6:06:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-26 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	83.9 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/01/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.0 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-35 @ 1"

5/31/2013 6:09:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-27 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	83.3 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.3 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.4 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.7 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-36 @ 1"

5/31/2013 6:13:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305171-28 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3F01004	06/01/2013	06/01/2013	
<i>Surrogate: o-Terphenyl</i>	<i>81.1 %</i>	<i>59-131</i>			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3F01003	06/01/2013	06/02/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>99.6 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: Toluene-d8</i>	<i>99.2 %</i>	<i>70-130</i>			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.7 %</i>	<i>70-130</i>			"	"	"	

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3E31007 - EPA 5030 (soil)

Blank (3E31007-BLK1)

Prepared: 05/31/2013 Analyzed: 05/31/2013

Gasoline Range Hydrocarbons	ND	0.10	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
m,p-Xylene	ND	0.0080	"							
o-Xylene	ND	0.0040	"							
Naphthalene	ND	0.0010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>63</i>		<i>ug/kg</i>	<i>62.5</i>	<i>100</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>	<i>98.4</i>	<i>70-130</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>	<i>92.4</i>	<i>70-130</i>				

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 Project: Noble - Dyer 35-67-1 HN

**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 3E31007 - EPA 5030 (soil)

LCS (3E31007-BS1)

Prepared: 05/31/2013 Analyzed: 05/31/2013

Benzene	0.17	0.0040	mg/kg	0.200		86.0	70-130			
Toluene	0.19	0.0040	"	0.200		92.8	70-130			
Ethylbenzene	0.20	0.0040	"	0.200		99.6	70-130			
m,p-Xylene	0.37	0.0080	"	0.400		92.9	70-130			
o-Xylene	0.17	0.0040	"	0.200		84.0	70-130			
Naphthalene	0.18	0.0010	"	0.200		88.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	50		ug/kg	62.5		79.6	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	55		"	62.5		87.8	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 3E31007 - EPA 5030 (soil)

Matrix Spike (3E31007-MS1)	Source: X305165-02			Prepared: 05/31/2013 Analyzed: 05/31/2013						
Benzene	0.16	0.0040	mg/kg	0.200	ND	78.5	70-130			
Toluene	0.17	0.0040	"	0.200	ND	83.4	70-130			
Ethylbenzene	0.17	0.0040	"	0.200	ND	83.0	70-130			
m,p-Xylene	0.30	0.0080	"	0.400	ND	75.0	70-130			
o-Xylene	0.15	0.0040	"	0.200	ND	73.4	70-130			
Naphthalene	0.20	0.0010	"	0.200	ND	98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	58		ug/kg	62.5		92.4	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.7	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 3E31007 - EPA 5030 (soil)

Matrix Spike Dup (3E31007-MSD1)	Source: X305165-02			Prepared: 05/31/2013 Analyzed: 05/31/2013						
Benzene	0.17	0.0040	mg/kg	0.200	ND	83.5	70-130	6.20	20	
Toluene	0.18	0.0040	"	0.200	ND	88.0	70-130	5.39	20	
Ethylbenzene	0.17	0.0040	"	0.200	ND	85.5	70-130	2.99	20	
m,p-Xylene	0.32	0.0080	"	0.400	ND	79.5	70-130	5.78	20	
o-Xylene	0.15	0.0040	"	0.200	ND	77.4	70-130	5.28	20	
Naphthalene	0.22	0.0010	"	0.200	ND	109	70-130	10.2	20	
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		98.2	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.9	70-130			

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F01003 - EPA 5030 (soil)

Blank (3F01003-BLK1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	ND	0.10	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>62</i>		<i>ug/kg</i>	<i>62.5</i>		<i>99.9</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56</i>		<i>"</i>	<i>62.5</i>		<i>90.4</i>	<i>70-130</i>			

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F01003 - EPA 5030 (soil)

Blank (3F01003-BLK2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Gasoline Range Hydrocarbons	ND	0.10	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
Naphthalene	ND	0.010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>61</i>		<i>ug/kg</i>	<i>62.5</i>		<i>97.3</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>		<i>99.9</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56</i>		<i>"</i>	<i>62.5</i>		<i>89.4</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

LCS (3F01003-BS1)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.19	0.0040	mg/kg	0.200		94.9	70-130			
Toluene	0.21	0.0040	"	0.200		105	70-130			
Ethylbenzene	0.20	0.0040	"	0.200		99.3	70-130			
Naphthalene	0.24	0.010	"	0.200		118	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>58</i>		<i>ug/kg</i>	<i>62.5</i>		<i>92.0</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.9</i>	<i>70-130</i>			

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 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3F01003 - EPA 5030 (soil)

LCS (3F01003-BS2)

Prepared: 06/01/2013 Analyzed: 06/01/2013

Benzene	0.20	0.0040	mg/kg	0.200		97.6	70-130			
Toluene	0.21	0.0040	"	0.200		105	70-130			
Ethylbenzene	0.21	0.0040	"	0.200		103	70-130			
Naphthalene	0.25	0.010	"	0.200		125	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>90.6</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.3</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

Matrix Spike (3F01003-MS1)	Source: X305171-16			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.20	0.0040	mg/kg	0.200	ND	98.1	70-130			
Toluene	0.20	0.0040	"	0.200	ND	101	70-130			
Ethylbenzene	0.20	0.0040	"	0.200	ND	101	70-130			
Naphthalene	0.22	0.010	"	0.200	ND	111	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56</i>		<i>ug/kg</i>	<i>62.5</i>		<i>89.7</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>61</i>		<i>"</i>	<i>62.5</i>		<i>97.9</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.1</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

Matrix Spike (3F01003-MS2)	Source: X305171-17			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.20	0.0040	mg/kg	0.200	ND	100	70-130			
Toluene	0.22	0.0040	"	0.200	ND	108	70-130			
Ethylbenzene	0.21	0.0040	"	0.200	ND	104	70-130			
Naphthalene	0.24	0.010	"	0.200	0.0007	120	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>91.0</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>64</i>		<i>"</i>	<i>62.5</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>56</i>		<i>"</i>	<i>62.5</i>		<i>90.1</i>	<i>70-130</i>			

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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 3F01003 - EPA 5030 (soil)

Matrix Spike Dup (3F01003-MSD1)	Source: X305171-16			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.19	0.0040	mg/kg	0.200	ND	93.3	70-130	5.06	20	
Toluene	0.20	0.0040	"	0.200	ND	98.0	70-130	3.25	20	
Ethylbenzene	0.19	0.0040	"	0.200	ND	97.2	70-130	3.42	20	
Naphthalene	0.23	0.010	"	0.200	ND	114	70-130	2.68	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>91.1</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>63</i>		<i>"</i>	<i>62.5</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>57</i>		<i>"</i>	<i>62.5</i>		<i>91.6</i>	<i>70-130</i>			

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 Project: Noble - Dyer 35-67-1 HN

**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 3F01003 - EPA 5030 (soil)

Matrix Spike Dup (3F01003-MSD2)	Source: X305171-17			Prepared: 06/01/2013 Analyzed: 06/01/2013						
Benzene	0.19	0.0040	mg/kg	0.200	ND	95.8	70-130	4.61	20	
Toluene	0.20	0.0040	"	0.200	ND	102	70-130	5.89	20	
Ethylbenzene	0.20	0.0040	"	0.200	ND	98.4	70-130	5.90	20	
Naphthalene	0.24	0.010	"	0.200	0.0007	118	70-130	1.66	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>57</i>		<i>ug/kg</i>	<i>62.5</i>		<i>90.8</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>64</i>		<i>"</i>	<i>62.5</i>		<i>102</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>		<i>92.3</i>	<i>70-130</i>			

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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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**Extractable Petroleum Hydrocarbons by 8015M - 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 3E31006 - EPA 3580

**Blank (3E31006-BLK1)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	44		g	50.0		87.2	59-131			

**Blank (3E31006-BLK2)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	46		g	50.0		91.7	59-131			

**LCS (3E31006-BS1)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1110	50.0	mg/kg	1000		111	64-121			
Surrogate: o-Terphenyl	42		g	50.0		84.8	59-131			

**LCS (3E31006-BS2)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1100	50.0	mg/kg	1000		110	64-121			
Surrogate: o-Terphenyl	41		g	50.0		82.7	59-131			

**Matrix Spike (3E31006-MS1)**

Source: X305162-01

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1150	50.0	mg/kg	1000	ND	115	53-125			
Surrogate: o-Terphenyl	44		g	50.0		87.4	59-131			

**Matrix Spike (3E31006-MS2)**

Source: X305166-01

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1390	50.0	mg/kg	1000	74.5	131	53-125			QM-04
Surrogate: o-Terphenyl	43		g	50.0		86.0	59-131			

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3E31006 - EPA 3580</b>										
<b>Matrix Spike Dup (3E31006-MSD1)</b>		<b>Source: X305162-01</b>			Prepared: 05/31/2013 Analyzed: 05/31/2013					
Diesel (C10-C28)	1160	50.0	mg/kg	1000	ND	116	53-125	0.250	20	
<i>Surrogate: o-Terphenyl</i>	43		<i>g</i>	50.0		85.9	59-131			
<b>Matrix Spike Dup (3E31006-MSD2)</b>		<b>Source: X305166-01</b>			Prepared: 05/31/2013 Analyzed: 05/31/2013					
Diesel (C10-C28)	1240	50.0	mg/kg	1000	74.5	116	53-125	11.6	20	
<i>Surrogate: o-Terphenyl</i>	42		<i>g</i>	50.0		84.2	59-131			
<b>Batch 3F01004 - EPA 3580</b>										
<b>Blank (3F01004-BLK1)</b>					Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	ND	50.0	mg/kg							
<i>Surrogate: o-Terphenyl</i>	43		<i>g</i>	50.0		85.1	59-131			
<b>Blank (3F01004-BLK2)</b>					Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	ND	50.0	mg/kg							
<i>Surrogate: o-Terphenyl</i>	43		<i>g</i>	50.0		85.9	59-131			
<b>LCS (3F01004-BS1)</b>					Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	967	50.0	mg/kg	1000		96.7	64-121			
<i>Surrogate: o-Terphenyl</i>	44		<i>g</i>	50.0		88.1	59-131			
<b>LCS (3F01004-BS2)</b>					Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	897	50.0	mg/kg	1000		89.7	64-121			
<i>Surrogate: o-Terphenyl</i>	42		<i>g</i>	50.0		83.3	59-131			
<b>Matrix Spike (3F01004-MS1)</b>		<b>Source: X305171-19</b>			Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	901	50.0	mg/kg	1000	ND	90.1	53-125			
<i>Surrogate: o-Terphenyl</i>	41		<i>g</i>	50.0		83.0	59-131			

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Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3F01004 - EPA 3580</b>										
<b>Matrix Spike (3F01004-MS2)</b>		<b>Source: X305171-20</b>			Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	1840	50.0	mg/kg	1000	724	112	53-125			
<i>Surrogate: o-Terphenyl</i>	<i>57</i>		<i>g</i>	<i>50.0</i>		<i>115</i>	<i>59-131</i>			
<b>Matrix Spike Dup (3F01004-MSD1)</b>		<b>Source: X305171-19</b>			Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	942	50.0	mg/kg	1000	ND	94.2	53-125	4.37	20	
<i>Surrogate: o-Terphenyl</i>	<i>43</i>		<i>g</i>	<i>50.0</i>		<i>85.1</i>	<i>59-131</i>			
<b>Matrix Spike Dup (3F01004-MSD2)</b>		<b>Source: X305171-20</b>			Prepared: 06/01/2013 Analyzed: 06/01/2013					
Diesel (C10-C28)	1190	50.0	mg/kg	1000	724	46.6	53-125	42.9	20	QM-01
<i>Surrogate: o-Terphenyl</i>	<i>53</i>		<i>g</i>	<i>50.0</i>		<i>106</i>	<i>59-131</i>			

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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

---

### Notes and Definitions

- QM-04 Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

Origins Laboratory, Inc.



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June 02, 2013

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Dyer 35-67-1 HN**

**Project Number - Dyer 35-67-1 HN**

Attached are you analytical results for Noble - Dyer 35-67-1 HN received by Origins Laboratory, Inc. May 30, 2013. This project is associated with Origins project number X305165-01.

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: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1 @ 1"	X305165-01	Soil	May 30, 2013 13:41	05/30/2013 17:45
SS-2 @ 1"	X305165-02	Soil	May 30, 2013 14:02	05/30/2013 17:45
SS-3 @ 1"	X305165-03	Soil	May 30, 2013 14:23	05/30/2013 17:45
SS-4 @ 3"	X305165-04	Soil	May 30, 2013 14:57	05/30/2013 17:45
SS-5 @ 1"	X305165-05	Soil	May 30, 2013 15:31	05/30/2013 17:45

Origins Laboratory, Inc.



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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X305165 Client: Eagle  
 Client Project ID: Dyer 35-67-1 HN  
 Checklist Completed by: ned Shipped Via: HTD  
 Date/time completed: 5.30.13 151755 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: \_\_\_\_\_  
 Matrix(s) Received: (Check all that apply):  Soil/Solid \_\_\_\_\_ Water \_\_\_\_\_ Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 3.1 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: 1002

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ± 6°C <sup>(1)?</sup>	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact <sup>(1)?</sup>	X			
Was adequate sample volume provided <sup>(1)?</sup>	X			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)?</sup>		X		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)?</sup>	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)?</sup>	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)?</sup>	X			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)?</sup>	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	Soil
Are samples preserved that require preservation and was it checked <sup>(1)?</sup> (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			X	Soil
Additional Comments (if any):				

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

Reviewed by (Project Manager)

5.31.13 1551  
 Date/Time Review

Origins Laboratory, Inc.



Noelle E Doyle, President

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-1 @ 1"

5/30/2013 1:41:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305165-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	05/31/2013	
<i>Surrogate: o-Terphenyl</i>	83.7 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	94.2 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.2 %	70-130			"	"	"	

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-2 @ 1"

5/30/2013 2:02:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305165-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	05/31/2013	
<i>Surrogate: o-Terphenyl</i>	84.5 %	59-131			"	"	"	

### GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.1 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Noelle E Doyle, President

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-3 @ 1"

5/30/2013 2:23:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305165-03 (Soil)

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

Diesel (C10-C28)	61.1	50.0	mg/kg	1	3E31006	05/31/2013	05/31/2013	
<i>Surrogate: o-Terphenyl</i>	85.4 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	96.8 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	93.5 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-4 @ 3"

5/30/2013 2:57:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305165-04 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	05/31/2013	
<i>Surrogate: o-Terphenyl</i>	82.9 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Napthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.5 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	91.2 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

SS-5 @ 1"

5/30/2013 3:31:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
 X305165-05 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	3E31006	05/31/2013	05/31/2013	
<i>Surrogate: o-Terphenyl</i>	87.6 %	59-131			"	"	"	

**GBTEX + Napthalene by 8260C**

Gasoline Range Hydrocarbons	ND	0.10	mg/kg	1	3E31007	05/31/2013	05/31/2013	
Benzene	ND	0.0040	"	"	"	"	"	
Toluene	ND	0.0040	"	"	"	"	"	
Ethylbenzene	ND	0.0040	"	"	"	"	"	
Xylenes, total	ND	0.0040	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.5 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	89.7 %	70-130			"	"	"	

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3E31007 - EPA 5030 (soil)

Blank (3E31007-BLK1)

Prepared: 05/31/2013 Analyzed: 05/31/2013

Gasoline Range Hydrocarbons	ND	0.10	mg/kg							
Benzene	ND	0.0040	"							
Toluene	ND	0.0040	"							
Ethylbenzene	ND	0.0040	"							
m,p-Xylene	ND	0.0080	"							
o-Xylene	ND	0.0040	"							
Naphthalene	ND	0.0010	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>63</i>		<i>ug/L</i>	<i>62.5</i>	<i>100</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>62</i>		<i>"</i>	<i>62.5</i>	<i>98.4</i>	<i>70-130</i>				
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>58</i>		<i>"</i>	<i>62.5</i>	<i>92.4</i>	<i>70-130</i>				

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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3E31007 - EPA 5030 (soil)

LCS (3E31007-BS1)

Prepared: 05/31/2013 Analyzed: 05/31/2013

Benzene	0.17	0.0040	mg/kg	0.200		86.0	70-130			
Toluene	0.19	0.0040	"	0.200		92.8	70-130			
Ethylbenzene	0.20	0.0040	"	0.200		99.6	70-130			
m,p-Xylene	0.37	0.0080	"	0.400		92.9	70-130			
o-Xylene	0.17	0.0040	"	0.200		84.0	70-130			
Naphthalene	0.18	0.0010	"	0.200		88.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	50		ug/L	62.5		79.6	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.1	70-130			
Surrogate: 4-Bromofluorobenzene	55		"	62.5		87.8	70-130			

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 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3E31007 - EPA 5030 (soil)

Matrix Spike (3E31007-MS1)	Source: X305165-02			Prepared: 05/31/2013 Analyzed: 05/31/2013						
Benzene	0.16	0.0040	mg/kg	0.200	ND	78.5	70-130			
Toluene	0.17	0.0040	"	0.200	ND	83.4	70-130			
Ethylbenzene	0.17	0.0040	"	0.200	ND	83.0	70-130			
m,p-Xylene	0.30	0.0080	"	0.400	ND	75.0	70-130			
o-Xylene	0.15	0.0040	"	0.200	ND	73.4	70-130			
Naphthalene	0.20	0.0010	"	0.200	ND	98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	58		ug/L	62.5		92.4	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.7	70-130			

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 4101 Inca Street  
 Denver CO 80211

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 3E31007 - EPA 5030 (soil)

Matrix Spike Dup (3E31007-MSD1)	Source: X305165-02			Prepared: 05/31/2013 Analyzed: 05/31/2013						
Benzene	0.17	0.0040	mg/kg	0.200	ND	83.5	70-130	6.20	20	
Toluene	0.18	0.0040	"	0.200	ND	88.0	70-130	5.39	20	
Ethylbenzene	0.17	0.0040	"	0.200	ND	85.5	70-130	2.99	20	
m,p-Xylene	0.32	0.0080	"	0.400	ND	79.5	70-130	5.78	20	
o-Xylene	0.15	0.0040	"	0.200	ND	77.4	70-130	5.28	20	
Naphthalene	0.22	0.0010	"	0.200	ND	109	70-130	10.2	20	
Surrogate: 1,2-Dichloroethane-d4	61		ug/L	62.5		98.2	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.9	70-130			

Origins Laboratory, Inc.



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 4101 Inca Street  
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Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**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 8015M - 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 3E31006 - EPA 3580

**Blank (3E31006-BLK1)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	44		g	50.0		87.2	59-131			

**Blank (3E31006-BLK2)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	46		g	50.0		91.7	59-131			

**LCS (3E31006-BS1)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1110	50.0	mg/kg	1000		111	64-121			
Surrogate: o-Terphenyl	42		g	50.0		84.8	59-131			

**LCS (3E31006-BS2)**

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1100	50.0	mg/kg	1000		110	64-121			
Surrogate: o-Terphenyl	41		g	50.0		82.7	59-131			

**Matrix Spike (3E31006-MS1)**

Source: X305162-01

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1150	50.0	mg/kg	1000	ND	115	53-125			
Surrogate: o-Terphenyl	44		g	50.0		87.4	59-131			

**Matrix Spike (3E31006-MS2)**

Source: X305166-01

Prepared: 05/31/2013 Analyzed: 05/31/2013

Diesel (C10-C28)	1390	50.0	mg/kg	1000	74.5	131	53-125			QM-04
Surrogate: o-Terphenyl	43		g	50.0		86.0	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.

Noelle E Doyle, President

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

Martin C Eckert III  
 Project Number: Dyer 35-67-1 HN  
 Project: Noble - Dyer 35-67-1 HN

**Extractable Petroleum Hydrocarbons by 8015M - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3E31006 - EPA 3580</b>										
<b>Matrix Spike Dup (3E31006-MSD1)</b>		<b>Source: X305162-01</b>			Prepared: 05/31/2013 Analyzed: 05/31/2013					
Diesel (C10-C28)	1160	50.0	mg/kg	1000	ND	116	53-125	0.250	20	
<i>Surrogate: o-Terphenyl</i>	<i>43</i>		<i>g</i>	<i>50.0</i>		<i>85.9</i>	<i>59-131</i>			
<b>Matrix Spike Dup (3E31006-MSD2)</b>		<b>Source: X305166-01</b>			Prepared: 05/31/2013 Analyzed: 05/31/2013					
Diesel (C10-C28)	1240	50.0	mg/kg	1000	74.5	116	53-125	11.6	20	
<i>Surrogate: o-Terphenyl</i>	<i>42</i>		<i>g</i>	<i>50.0</i>		<i>84.2</i>	<i>59-131</i>			

Origins Laboratory, Inc.



Noelle E Doyle, President

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

Martin C Eckert III  
Project Number: Dyer 35-67-1 HN  
Project: Noble - Dyer 35-67-1 HN

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### Notes and Definitions

- QM-04 Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

Origins Laboratory, Inc.



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Noelle E Doyle, President

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