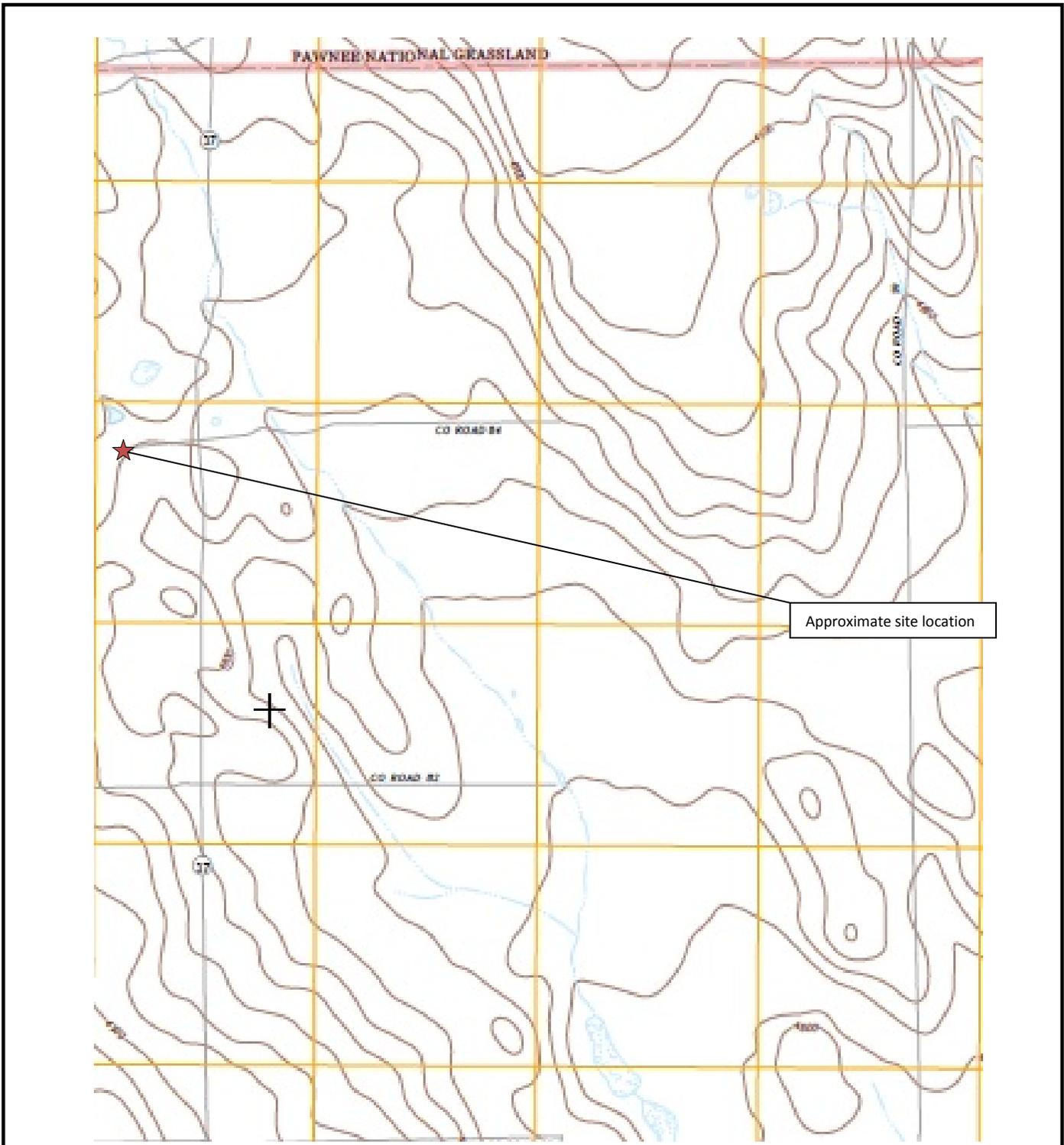


FIGURES

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Location Map

Figure 3: Soil Sample Analytical Map



Topographic Site Location Map
 Dillard USX AB #05-99 HZ
 Water Vault Removal
 40.594046/-104.563209
 SE¼ SE¼ SEC.5 T7N R64W 6PM
 Weld County, Colorado
 Location ID: 415930



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Source: USGS 7.5 Minute Topographic
 Map: Galeton, CO Quadrangle 2013

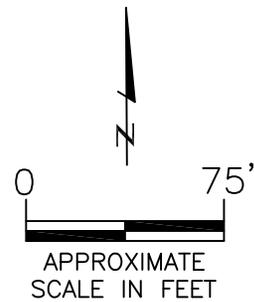
Figure 1



LEGEND

- DILLARD USX AB #05-99HZ TANK BATTERY

- APPROXIMATE LOCATION OF WATER VAULT REMOVAL/EXCAVATION



AERIAL SITE LOCATION MAP
 DILLARD USX AB #05-99HZ
 WATER VAULT REMOVAL
 40.594046 / -104.563209
 SE1/4 SE1/4 SEC.5 T7N R64W 6PM
 WELD COUNTY, COLORADO
 LOCATION ID: 415930

DATE: 08/14/15

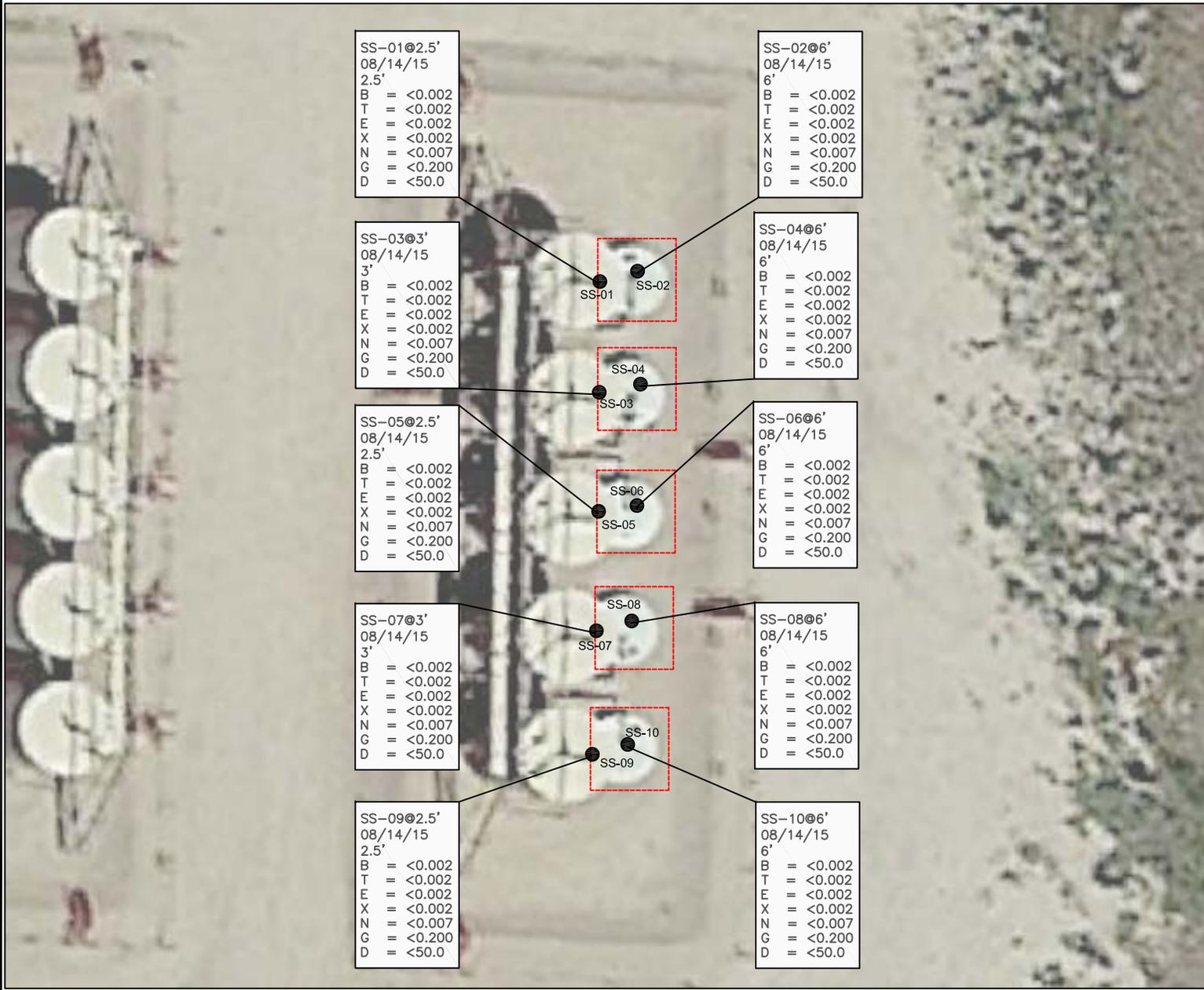
FIG. NO. 2 DRAWN BY: AMN



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CONSULTING, INC.

4101 INCA STREET, DENVER, CO 80211
Ph: 303-433-0479 • F: 303-325-5449



LEGEND

- APPROXIMATE LOCATIONS OF WATER VAULT REMOVALS
- SS-01 APPROXIMATE LOCATION OF SOIL SAMPLES SUBMITTED FOR LABORATORY ANALYSIS

PARAMETERS

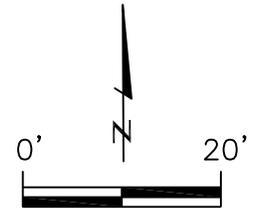
SOIL SAMPLE LOCATION	
DATE	
DEPTH (FEET)	
B	= BENZENE (mg/kg)
T	= TOLUENE (mg/kg)
E	= ETHYLBENZENE (mg/kg)
X	= TOTAL XYLENES (mg/kg)
N	= NAPHTHALENE (mg/kg)
G	= TPH-GRO (mg/kg)
D	= TPH-DRO (mg/kg)

mg/kg = MILLIGRAMS PER KILOGRAM

TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS

TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS

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



APPROXIMATE SCALE IN FEET

SOIL SAMPLE ANALYTICAL MAP
 DILLARD USX AB #05-99HZ
 WATER VAULT REMOVAL
 40.594046/-104.563209
 SE1/4 SE1/4 SEC.5 T7N R64W 6PM
 WELD COUNTY, COLORADO
 LOCATION ID: 415930

DATE: 08/17/15

FIG. NO. 3

DRAWN BY: amn



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

TABLE

Table 1: Soil Analytical Results Summary

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
DILLARD USX AB #05-99HZ
WATER VAULT REMOVAL
40.594046 / -104.563209
SE¼ SE¼ SEC.5 T7N R64W 6PM
WELD COUNTY, COLORADO
LOCATION ID: 415930

Sample Location (Latitude/Longitude)	Date	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	Specific Conductance (mmhos/cm)	pH (pH units)	SAR
COGCC Table 910-1 Regulatory Limits (mg/kg)			0.17	85	100	175	23	500		<4	6 to 9	<12[^]5
SS-01 @ 2.5' (40.594129 / -104.563214)	08/14/15	2.5	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	0.0694	8.69	0.076
SS-02 @ 6' (40.594131 / -104.563203)	08/14/15	6	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	NA	NA	NA
SS-03 @ 3' (40.594088 / -104.563222)	08/14/15	3	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	0.0649	8.63	0.0857
SS-04 @ 6' (40.594092 / -104.563203)	08/14/15	6	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	NA	NA	NA
SS-05 @ 2.5' (40.594046 / -104.563222)	08/14/15	2.5	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	0.0663	8.96	0.123
SS-06 @ 6' (40.594050 / -104.563206)	08/14/15	6	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	NA	NA	NA
SS-07 @ 3' (40.594007 / -104.563227)	08/14/15	3	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	0.0675	8.79	0.087
SS-08 @ 6' (40.594008 / -104.563208)	08/14/15	6	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	NA	NA	NA
SS-09 @ 2.5' (40.593966 / -104.563227)	08/14/15	2.5	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	0.0581	8.72	0.084
SS-10 @ 6' (40.593966 / -104.563208)	08/14/15	6	<0.002	<0.002	<0.002	<0.002	<0.007	<0.200	<50.0	NA	NA	NA

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

mmhos/cm = millimhos per centimeter

NA = Not Analyzed

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

SAR = Sodium Adsorption Ratio

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



ATTACHMENT A

Laboratory Analytical Report



December 14, 2015

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Noble - Dillard USX AB 5-99 HZ

Project Number - [none]

Attached are your analytical results for Noble - Dillard USX AB 5-99 HZ received by Origins Laboratory, Inc. August 14, 2015. This project is associated with Origins project number X508172-01.

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

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

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

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

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

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



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Dillard USX AB 5-99 HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-01 @ 2.5'	X508172-01	Soil	August 14, 2015 11:55	08/14/2015 14:25
SS-02 @ 6'	X508172-02	Soil	August 14, 2015 11:57	08/14/2015 14:25
SS-03 @ 3'	X508172-03	Soil	August 14, 2015 12:04	08/14/2015 14:25
SS-04 @ 6'	X508172-04	Soil	August 14, 2015 12:06	08/14/2015 14:25
SS-05 @ 2.5'	X508172-05	Soil	August 14, 2015 12:10	08/14/2015 14:25
SS-06 @ 6'	X508172-06	Soil	August 14, 2015 12:12	08/14/2015 14:25
SS-07 @ 3'	X508172-07	Soil	August 14, 2015 12:16	08/14/2015 14:25
SS-08 @ 6'	X508172-08	Soil	August 14, 2015 12:18	08/14/2015 14:25
SS-09 @ 2.5'	X508172-09	Soil	August 14, 2015 12:23	08/14/2015 14:25
SS-10 @ 6'	X508172-10	Soil	August 14, 2015 12:25	08/14/2015 14:25

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.

4101 Inca Street

Denver CO 80211

Martin C Eckert III

Project Number: [none]

Project: Noble - Dillard USX AB 5-99 HZ

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

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

Sample Receipt Checklist

Origins Work Order: XS05772 Client: Eagle
 Client Project ID: Dillard USX AB 599 HND
 Checklist Completed by: Jef Smith Shipped Via: HTD
 Date/time completed: 8/14/15 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 13.0 °C 1 °C 1 °C (Describe)
 Thermometer ID: T003

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

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 8/14/15

Origins Laboratory, Inc.

Jef Pellegrini

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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-01 @ 2.5'
8/14/2015 11:55:00AM

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

Origins Laboratory, Inc.
X508172-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	90.0 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	91.1 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

Metals by SW846 3050B/6010C

Calcium	10700	23.7	mg/kg	1	1501004	08/17/2015	08/17/2015	
Magnesium	1230	28.4	"	"	"	"	"	
Sodium	31.2	23.7	"	"	"	"	"	

pH in Soil by EPA 9045D

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Dillard USX AB 5-99 HZ

SS-01 @ 2.5'
8/14/2015 11:55:00AM

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

Origins Laboratory, Inc.
X508172-01 (Soil)

pH in Soil by EPA 9045D

pH	8.69		pH Units	1	5H14009	08/14/2015	08/14/2015	
----	------	--	----------	---	---------	------------	------------	--

Sodium Adsorption Ratio

Sodium Adsorption Ratio	0.0764		none	1	1501237		08/17/2015	
-------------------------	--------	--	------	---	---------	--	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0694		mmhos/cm	1	5H14010	08/14/2015	08/14/2015	
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-02 @ 6'
8/14/2015 11:57:00AM

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

Origins Laboratory, Inc.
X508172-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	76.5 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	91.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-03 @ 3'
8/14/2015 12:04:00PM

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

Origins Laboratory, Inc.
X508172-03 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	82.5 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	90.6 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	100 %	70-130			"	"	"	

Metals by SW846 3050B/6010C

Calcium	8510	23.0	mg/kg	1	1501004	08/17/2015	08/17/2015	
Magnesium	1670	27.6	"	"	"	"	"	
Sodium	33.0	23.0	"	"	"	"	"	

pH in Soil by EPA 9045D

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Dillard USX AB 5-99 HZ

SS-03 @ 3'
8/14/2015 12:04:00PM

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

Origins Laboratory, Inc.
X508172-03 (Soil)

pH in Soil by EPA 9045D

pH	8.63		pH Units	1	5H14009	08/14/2015	08/14/2015	
----	------	--	----------	---	---------	------------	------------	--

Sodium Adsorption Ratio

Sodium Adsorption Ratio	0.0857		none	1	1501237		08/17/2015	
-------------------------	--------	--	------	---	---------	--	------------	--

Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0649		mmhos/cm	1	5H14010	08/14/2015	08/14/2015	
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-04 @ 6'
8/14/2015 12:06:00PM

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

Origins Laboratory, Inc.
X508172-04 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	67.6 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	89.7 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-05 @ 2.5'

8/14/2015 12:10:00PM

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

Origins Laboratory, Inc.
X508172-05 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	62.4 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	90.6 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	100 %	70-130			"	"	"	

Metals by SW846 3050B/6010C

Calcium	5110	21.7	mg/kg	1	1501004	08/17/2015	08/17/2015	
Magnesium	1340	26.0	"	"	"	"	"	
Sodium	38.1	21.7	"	"	"	"	"	

pH in Soil by EPA 9045D

Origins Laboratory, Inc.



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

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

Martin C Eckert III
Project Number: [none]
Project: Noble - Dillard USX AB 5-99 HZ

SS-05 @ 2.5'

8/14/2015 12:10:00PM

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

Origins Laboratory, Inc.
X508172-05 (Soil)

pH in Soil by EPA 9045D

pH	8.96		pH Units	1	5H14009	08/14/2015	08/14/2015	
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Sodium Adsorption Ratio

Sodium Adsorption Ratio	0.123		none	1	1501237		08/17/2015	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0663		mmhos/cm	1	5H14010	08/14/2015	08/14/2015	
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Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-06 @ 6'
8/14/2015 12:12:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X508172-06 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	78.4 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	90.0 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-07 @ 3'
8/14/2015 12:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X508172-07 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	80.1 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	90.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.8 %	70-130			"	"	"	

Metals by SW846 3050B/6010C

Calcium	13600	24.8	mg/kg	1	1501004	08/17/2015	08/17/2015	
Magnesium	1980	29.8	"	"	"	"	"	
Sodium	41.1	24.8	"	"	"	"	"	

pH in Soil by EPA 9045D

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Dillard USX AB 5-99 HZ

SS-07 @ 3'
8/14/2015 12:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X508172-07 (Soil)

pH in Soil by EPA 9045D

pH	8.79		pH Units	1	5H14009	08/14/2015	08/14/2015	
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Sodium Adsorption Ratio

Sodium Adsorption Ratio	0.0872		none	1	1501237		08/17/2015	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0675		mmhos/cm	1	5H14010	08/14/2015	08/14/2015	
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Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-08 @ 6'
8/14/2015 12:18:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X508172-08 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
Surrogate: <i>o</i> -Terphenyl	77.3 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	90.5 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.5 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-09 @ 2.5'

8/14/2015 12:23:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X508172-09 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	63.2 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	88.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.2 %	70-130			"	"	"	

Metals by SW846 3050B/6010C

Calcium	10300	23.1	mg/kg	1	1501004	08/17/2015	08/17/2015	
Magnesium	1490	27.8	"	"	"	"	"	
Sodium	34.5	23.1	"	"	"	"	"	

pH in Soil by EPA 9045D

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-09 @ 2.5'

8/14/2015 12:23:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X508172-09 (Soil)

pH in Soil by EPA 9045D

pH	8.72		pH Units	1	5H14009	08/14/2015	08/14/2015	
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Sodium Adsorption Ratio

Sodium Adsorption Ratio	0.084		none	1	1501237		08/17/2015	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.0581		mmhos/cm	1	5H14010	08/14/2015	08/14/2015	
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Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

SS-10 @ 6'
8/14/2015 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X508172-10 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	5H14007	08/14/2015	08/14/2015	
<i>Surrogate: o-Terphenyl</i>	59.5 %	59-131			"	"	"	

GBTEX + Napthalene by 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	5H14005	08/14/2015	08/14/2015	
Benzene	ND	0.002	"	"	"	"	"	
Toluene	ND	0.002	"	"	"	"	"	
Ethylbenzene	ND	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	
Napthalene	ND	0.007	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	90.6 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.2 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

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 5H14005 - EPA 5030 (soil)

Blank (5H14005-BLK1)

Prepared: 08/14/2015 Analyzed: 08/14/2015

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							
Benzene	ND	0.002	"							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Naphthalene	ND	0.007	"							
Surrogate: 1,2-Dichloroethane-d4	58		ug/kg	62.5		92.3	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

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 5H14005 - EPA 5030 (soil)

LCS (5H14005-BS1)

Prepared: 08/14/2015 Analyzed: 08/14/2015

Benzene	0.100	0.002	mg/kg	0.100		100	70-130			
Toluene	0.084	0.002	"	0.100		84.2	70-130			
Ethylbenzene	0.083	0.002	"	0.100		83.5	70-130			
m,p-Xylene	0.174	0.004	"	0.200		87.2	70-130			
o-Xylene	0.090	0.002	"	0.100		89.6	70-130			
Naphthalene	0.095	0.007	"	0.100		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	54		ug/kg	62.5		86.4	70-130			
Surrogate: Toluene-d8	58		"	62.5		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.2	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

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 5H14005 - EPA 5030 (soil)

Matrix Spike (5H14005-MS1)	Source: X508156-01			Prepared: 08/14/2015 Analyzed: 08/14/2015						
Benzene	0.103	0.002	mg/kg	0.100	ND	103	70-130			
Toluene	0.087	0.002	"	0.100	ND	86.8	70-130			
Ethylbenzene	0.085	0.002	"	0.100	ND	85.2	70-130			
m,p-Xylene	0.178	0.004	"	0.200	ND	89.1	70-130			
o-Xylene	0.092	0.002	"	0.100	ND	92.2	70-130			
Naphthalene	0.098	0.007	"	0.100	ND	98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	56		ug/kg	62.5		89.2	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.8	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

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 5H14005 - EPA 5030 (soil)

Matrix Spike Dup (5H14005-MSD1)	Source: X508156-01			Prepared: 08/14/2015 Analyzed: 08/14/2015						
Benzene	0.103	0.002	mg/kg	0.100	ND	103	70-130	0.640	20	
Toluene	0.087	0.002	"	0.100	ND	86.9	70-130	0.184	20	
Ethylbenzene	0.084	0.002	"	0.100	ND	84.2	70-130	1.23	20	
m,p-Xylene	0.175	0.004	"	0.200	ND	87.6	70-130	1.62	20	
o-Xylene	0.091	0.002	"	0.100	ND	91.1	70-130	1.20	20	
Naphthalene	0.101	0.007	"	0.100	ND	101	70-130	3.15	20	
Surrogate: 1,2-Dichloroethane-d4	56		ug/kg	62.5		90.2	70-130			
Surrogate: Toluene-d8	58		"	62.5		92.9	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Extractable Petroleum Hydrocarbons by 8015C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5H14007 - EPA 3580

Blank (5H14007-BLK1)

Prepared: 08/14/2015 Analyzed: 08/14/2015

Diesel (C10-C28)	ND	50.0	mg/kg							
Surrogate: o-Terphenyl	47		"	50.0		94.5	59-131			

LCS (5H14007-BS1)

Prepared: 08/14/2015 Analyzed: 08/14/2015

Diesel (C10-C28)	883	50.0	mg/kg	1000		88.3	64-121			
Surrogate: o-Terphenyl	46		"	50.0		91.1	59-131			

Matrix Spike (5H14007-MS1)

Source: X508159-01

Prepared: 08/14/2015 Analyzed: 08/14/2015

Diesel (C10-C28)	783	50.0	mg/kg	1000	99.8	68.3	53-125			
Surrogate: o-Terphenyl	37		"	50.0		73.4	59-131			

Matrix Spike Dup (5H14007-MSD1)

Source: X508159-01

Prepared: 08/14/2015 Analyzed: 08/14/2015

Diesel (C10-C28)	840	50.0	mg/kg	1000	99.8	74.1	53-125	7.10	20	
Surrogate: o-Terphenyl	38		"	50.0		76.2	59-131			

Origins Laboratory, Inc.



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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5H14009 - NO PREP										
Duplicate (5H14009-DUP1)		Source: X508172-01			Prepared: 08/14/2015 Analyzed: 08/14/2015					
pH	8.62		pH Units		8.69			0.809	25	
Batch 5H14010 - NO PREP										
Blank (5H14010-BLK1)		Prepared: 08/14/2015 Analyzed: 08/14/2015								
Specific Conductance (EC)	0.00230		mmhos/cm							
Duplicate (5H14010-DUP1)		Source: X508172-01			Prepared: 08/14/2015 Analyzed: 08/14/2015					
Specific Conductance (EC)	0.0739		mmhos/cm		0.0694			6.28	25	

Origins Laboratory, Inc.



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 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Dillard USX AB 5-99 HZ

Metals by SW846 3050B/6010C - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1501004 - SW846 3050B										
BLANK (1203375839-BLK)					Prepared: 08/17/2015 Analyzed: 08/17/2015					
Calcium	7.97	23.8	mg/kg				-			J
Magnesium	ND	28.5	"				-			U
Sodium	10.4	23.8	"				-			J
LCS (1203375840-BKS)					Prepared: 08/17/2015 Analyzed: 08/17/2015					
Sodium	510	24.5	mg/kg	489		104	80-120			
Magnesium	497	29.4	"	489		102	80-120			
Calcium	501	24.5	"	489		102	80-120			
DUP (1203375841 D)		Source: X508172-01			Prepared: 08/17/2015 Analyzed: 08/17/2015					
Magnesium	1280	28.1	mg/kg		1230		0-20	4.19	20	
Sodium	33.1	23.5	"		31.2		0-20	5.87	20	
Calcium	11000	23.5	"		10700		0-20	2.87	20	
MS (1203375842 S)		Source: X508172-01			Prepared: 08/17/2015 Analyzed: 08/17/2015					
Calcium	12300	24.8	mg/kg	495	10700	337	75-125			
Magnesium	2070	29.7	"	495	1230	171	75-125			
Sodium	537	24.8	"	495	31.2	102	75-125			
PS (1203376423 S)		Source: X508172-01			Prepared: 08/17/2015 Analyzed: 08/17/2015					
Magnesium	17.9	0.300	mg/kg	5000		98.1	80-120			

Origins Laboratory, Inc.



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

Martin C Eckert III
Project Number: [none]
Project: Noble - Dillard USX AB 5-99 HZ

Notes and Definitions

- U Result not detected above the detection limit
- J Greater than the detection limit but less than the reporting limit
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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