

State of Colorado
Oil and Gas Conservation Commission



received 12/30/2016
REM 9949
Document 2527567

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

OGCC Employee:

Spill Complaint
 Inspection NOAV

Tracking No: _____

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

Spill or Release Plug & Abandon Central Facility Closure Site/Facility Closure Other (describe): _____

OGCC Operator Number: <u>10311</u>	Contact Name and Telephone: _____
Name of Operator: <u>Synergy Resources Corporation</u>	<u>Jerry Brian</u>
Address: <u>20203 Highway 60</u>	No: <u>(720) 616-4300</u>
City: <u>Platteville</u> State: <u>CO</u> Zip: <u>80651</u>	Fax: _____

API Number: _____	County: <u>Weld</u>
Facility Name: <u>Nelson Tank Battery</u>	Facility Number: <u>426021</u>
Well Name: _____	Well Number: _____
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>NENE, Sec. 5, T4N, R67W, 6 PM</u>	Latitude: <u>40.347524</u> Longitude: <u>-104.906878</u>

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): produced water

Site Conditions: Is location within a sensitive area (according to Rule 901e)? Y N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): residential, cultivated

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Nunn loam, 0 to 1 percent slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): no potential receptors observed within 1/4 mile

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	<u>See attached.</u>	<u>Laboratory results</u>
<input type="checkbox"/> Vegetation	_____	_____
<input checked="" type="checkbox"/> Groundwater	<u>See attached.</u>	<u>Laboratory results</u>
<input type="checkbox"/> Surface Water	_____	_____

REMEDATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

Facility was plugged and abandoned. The produced water tank and other facility equipment were removed. Source removal via excavation activities were completed. See Document # 401165019

Describe how source is to be removed:

Source removal excavation activities were completed at the site on 12/6/16 and 12/7/16 . Approximately 600 cubic yards of impacted soil were removed from the site and disposed of at a permitted disposal facility. Confirmation soil samples indicate no impacted soil remains. A Form 27 was submitted documenting excavation activities. See Document #2527425 for Remediation # 9949.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

A groundwater amendment was applied to the excavation prior to back-filling activities to address any residual adsorbed/dissolved phase impacts remaining beneath the site. Eight soil borings/monitoring wells (MW-01 through MW-08) have been advanced/installed at the site. Based on laboratory analytical results, soil/groundwater impacts have been defined onsite. Quarterly groundwater monitoring will be completed at the site. Following the completion of additional quarterly groundwater monitoring events, the dissolved phase impacts will be evaluated to determine if additional remedial action is necessary or if the site can continue to be monitored for natural attenuation.



Tracking Number: _____
Name of Operator: _____
OGCC Operator No: _____
Received Date: _____
Well Name & No: _____
Facility Name & No: _____

Page 2
REMEDIATION WORKPLAN (Cont.)

OGCC Employee: _____

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

Based on laboratory analytical results, dissolved phase impacts have been defined at the site. Groundwater samples will be collected quarterly from monitoring wells MW-01 through MW-08. Groundwater will be analyzed for BTEX following EPA Method 8260. A site map with monitoring well locations is attached.

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

The excavation was backfilled with clean fill to grade. The environmental footprint will be assessed following any potential remediation activities.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? Y N If yes, describe:

Aside from quarterly groundwater monitoring, further site investigation is not warranted at this time. If remediation is determined to be necessary other than monitored natural attenuation, a supplemental Form 27 will be submitted to the COGCC.

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

Remaining groundwater impacts will be remediated in place, and therefore, will not generate any waste requiring disposal.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 11/17/16 Date Site Investigation Completed: 12/23/16 Date Remediation Plan Submitted: 12/30/16
Remediation Start Date: 12/06/16 Anticipated Completion Date: TBD Actual Completion Date: TBD

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Jerry Brian Signed: [Signature]
Title: Manager of E&P Date: 12/30/16

OGCC Approved: _____ Title: _____ Date: _____



LEGEND

- X APPROXIMATE RELEASE LOCATION
- APPROXIMATE LTE EXCAVATION BOUNDARIES
- MW-01 APPROXIMATE MONITORING WELL LOCATIONS

PARAMETERS

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

mg/kg = MILLIGRAMS PER KILOGRAM
NS = NOT SAMPLED

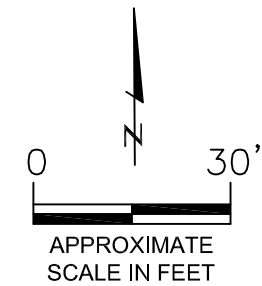
TPH-GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS

TPH-DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS

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

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

COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION



MONITORING WELL SOIL ANALYTICAL MAP
NELSON EAST TANK BATTERY
PRODUCED WATER RELEASE
40.347524 / -104.906878
NE1/4 NE1/4 SEC.5 T4N R67W 6PM
WELD COUNTY, COLORADO
FACILITY / LOCATION ID 426021
SPILL ID 448386

DATE: 12/27/16
FIG NO.: 1
DRAWN BY: amn

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



MW-01
12/20/16
B = <1.00
T = <1.00
E = <1.00
X = <1.00

MW-08
12/23/16
B = <1.00
T = <1.00
E = 10.6
X = 52.2

MW-06
12/23/16
B = **13.1**
T = <1.00
E = 12.1
X = 40.8

MW-07
12/23/16
B = <1.00
T = <1.00
E = <1.00
X = <1.00

MW-05
12/23/16
B = **750**
T = **1,380**
E = **4,840**
X = **24,700**

MW-04
12/20/16
B = <1.00
T = <1.00
E = <1.00
X = <1.00

MW-02
12/20/16
B = <1.00
T = <1.00
E = 13.5
X = 50.0

MW-03
12/20/16
B = <1.00
T = <1.00
E = <1.00
X = <1.00

LEGEND

- X APPROXIMATE RELEASE LOCATION
- APPROXIMATE LTE EXCAVATION BOUNDARIES
- MW-01 APPROXIMATE MONITORING WELL LOCATIONS

PARAMETERS

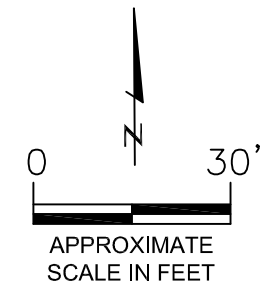
SAMPLE LOCATION
DATE
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)

µg/L = MICROGRAMS PER LITER

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

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

COGCC - COLORADO OIL AND GAS CONSERVATION COMMISSION



GROUNDWATER ANALYTICAL MAP
NELSON EAST TANK BATTERY
PRODUCED WATER RELEASE
40.347524 / -104.906878
NE1/4 NE1/4 SEC.5 T4N R67W 6PM
WELD COUNTY, COLORADO
FACILITY / LOCATION ID 426021
SPILL ID 448386

DATE:
12/27/16
FIG NO.: 2
DRAWN BY:
amn

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

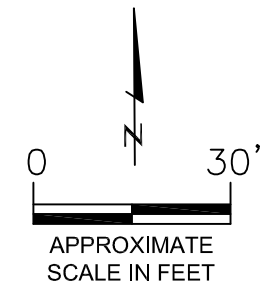


LEGEND

- X APPROXIMATE RELEASE LOCATION
- APPROXIMATE LTE EXCAVATION BOUNDARIES
- MW-01 APPROXIMATE MONITORING WELL LOCATIONS
- MW-01 APPROXIMATE PROPOSED MONITORING WELL LOCATION
- (4748.25) RELATIVE GROUNDWATER ELEVATION (FT.)
- INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET

NOTE:
GROUNDWATER ELEVATION DATA COLLECTED FOR ALL MONITORING WELLS ON 12/23/16.



GROUNDWATER ELEVATION MAP
NELSON EAST TANK BATTERY
PRODUCED WATER RELEASE
40.347524 / -104.906878
NE1/4 NE1/4 SEC.5 T4N R67W 6PM
WELD COUNTY, COLORADO
FACILITY / LOCATION ID 426021
SPILL ID 448386

DATE:
12/27/16

FIG NO.: 3

DRAWN BY:
amn

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

December 21, 2016

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Synergy - Nelson East Tank
Battery**

Project Number - [none]

Attached are your analytical results for Synergy - Nelson East Tank Battery received by Origins Laboratory, Inc. December 20, 2016. This project is associated with Origins project number X612235-01.

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

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

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

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

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

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



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

Martin C Eckert III
Project Number: [none]
Project: Synergy - Nelson East Tank Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01 @ 5-6.5'	X612235-01	Soil	December 20, 2016 9:10	12/20/2016 13:56
MW02 @ 5-6.5'	X612235-02	Soil	December 20, 2016 10:53	12/20/2016 13:56
MW03 @ 5-6.5'	X612235-03	Soil	December 20, 2016 10:15	12/20/2016 13:56
MW04 @ 5-6.5'	X612235-04	Soil	December 20, 2016 8:20	12/20/2016 13:56

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: Synergy - Nelson East Tank Battery

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X61223 S

Client: Eagle
 Client Project ID: Nelson East Tank Battery

Checklist Completed by: Jeff Smith
 Date/time completed: 12-20-16

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

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

Cooler Number/Temperature: 1 / 13.4 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: 7023

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

Jeff Smith
 Reviewed by (Project Manager)

12-20-16
 Date/Time Reviewed

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW01 @ 5-6.5'
12/20/2016 9:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612235-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B6L2006	12/20/2016	12/20/2016	U
<i>Surrogate: o-Terphenyl</i>	71.1 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6L2005	12/20/2016	12/20/2016	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	111 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.1 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.8 %	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: Synergy - Nelson East Tank Battery

MW02 @ 5-6.5'
12/20/2016 10:53:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612235-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B6L2006	12/20/2016	12/20/2016	U
<i>Surrogate: o-Terphenyl</i>	70.2 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6L2005	12/20/2016	12/21/2016	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.5 %	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: Synergy - Nelson East Tank Battery

MW03 @ 5-6.5'
12/20/2016 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612235-03 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B6L2006	12/20/2016	12/20/2016	U
Surrogate: o-Terphenyl	65.2 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6L2005	12/20/2016	12/20/2016	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"	
Surrogate: Toluene-d8	98.6 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3 %	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: Synergy - Nelson East Tank Battery

MW04 @ 5-6.5'
12/20/2016 8:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612235-04 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B6L2006	12/20/2016	12/21/2016	U
<i>Surrogate: o-Terphenyl</i>	63.7 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6L2005	12/20/2016	12/20/2016	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	111 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	96.9 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.8 %	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: Synergy - Nelson East Tank Battery

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 B6L2005 - EPA 5030 (soil)

Blank (B6L2005-BLK1)

Prepared: 12/20/2016 Analyzed: 12/20/2016

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	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: Synergy - Nelson East Tank Battery

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 B6L2005 - EPA 5030 (soil)

LCS (B6L2005-BS1)

Prepared: 12/20/2016 Analyzed: 12/20/2016

Benzene	0.094	0.002	mg/kg	0.100		94.1	77.1-124			
Toluene	0.087	0.002	"	0.100		87.3	74.5-128			
Ethylbenzene	0.101	0.002	"	0.100		101	66.4-127			
m,p-Xylene	0.208	0.004	"	0.200		104	76.6-124			
o-Xylene	0.112	0.002	"	0.100		112	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	71		ug/kg	62.5		113	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Origins Laboratory, Inc.



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 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2005 - EPA 5030 (soil)

Matrix Spike (B6L2005-MS1)	Source: X612218-01			Prepared: 12/20/2016 Analyzed: 12/20/2016						
Benzene	0.105	0.002	mg/kg	0.100	ND	105	71.8-126			
Toluene	0.102	0.002	"	0.100	ND	102	65.1-130			
Ethylbenzene	0.105	0.002	"	0.100	ND	105	62.2-130			
m,p-Xylene	0.212	0.004	"	0.200	ND	106	46.5-137			
o-Xylene	0.103	0.002	"	0.100	ND	103	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	71		ug/kg	62.5		113	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.9	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: Synergy - Nelson East Tank Battery

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 B6L2005 - EPA 5030 (soil)

Matrix Spike Dup (B6L2005-MSD1)	Source: X612218-01			Prepared: 12/20/2016 Analyzed: 12/20/2016						
Benzene	0.103	0.002	mg/kg	0.100	ND	103	71.8-126	1.62	11.3	
Toluene	0.102	0.002	"	0.100	ND	102	65.1-130	0.0391	15.4	
Ethylbenzene	0.106	0.002	"	0.100	ND	106	62.2-130	1.12	19.6	
m,p-Xylene	0.216	0.004	"	0.200	ND	108	46.5-137	1.78	19.2	
o-Xylene	0.104	0.002	"	0.100	ND	104	54.2-134	0.135	17.9	
Surrogate: 1,2-Dichloroethane-d4	51		ug/kg	62.5		82.4	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		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: Synergy - Nelson East Tank Battery

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 B6L2006 - EPA 3580

Blank (B6L2006-BLK1)

Prepared: 12/20/2016 Analyzed: 12/20/2016

Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	36		"	50.0		71.8	59-131			

LCS (B6L2006-BS1)

Prepared: 12/20/2016 Analyzed: 12/20/2016

Diesel (C10-C28)	801	50.0	mg/kg	1000		80.1	64-121			
Surrogate: o-Terphenyl	40		"	50.0		79.4	59-131			

Matrix Spike (B6L2006-MS1)

Source: X612218-01

Prepared: 12/20/2016 Analyzed: 12/20/2016

Diesel (C10-C28)	781	50.0	mg/kg	1000	14.8	76.6	53-125			
Surrogate: o-Terphenyl	34		"	50.0		68.7	59-131			

Matrix Spike Dup (B6L2006-MSD1)

Source: X612218-01

Prepared: 12/20/2016 Analyzed: 12/20/2016

Diesel (C10-C28)	775	50.0	mg/kg	1000	14.8	76.0	53-125	0.818	20	
Surrogate: o-Terphenyl	35		"	50.0		70.0	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.

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

Martin C Eckert III
Project Number: [none]
Project: Synergy - Nelson East Tank Battery

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President



December 21, 2016

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Synergy - Nelson East Tank
Battery**

Project Number - [none]

Attached are your analytical results for Synergy - Nelson East Tank Battery received by Origins Laboratory, Inc. December 20, 2016. This project is associated with Origins project number X612236-01.

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: Synergy - Nelson East Tank Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	X612236-01	Water	December 20, 2016 12:00	12/20/2016 13:56
MW-02	X612236-02	Water	December 20, 2016 12:10	12/20/2016 13:56
MW-03	X612236-03	Water	December 20, 2016 12:33	12/20/2016 13:56
MW-04	X612236-04	Water	December 20, 2016 12:25	12/20/2016 13:56

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: Synergy - Nelson East Tank Battery

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X612236

Client: Eagle

Client Project ID: Nelson East Tank Battery

Checklist Completed by: Jeff Smith

Shipped Via: H/D
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 12-20-16

Airbill #: NA

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

Cooler Number/Temperature: 1 / 13.4 °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⁾ ?		X		Sampled Same Day
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	X			HLL
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.

Jeff Smith
 Reviewed by (Project Manager)

12-20-16
 Date/Time Reviewed

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-01
12/20/2016 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612236-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6L2003	12/20/2016	12/21/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.8 %	84-114			"	"	"	

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: Synergy - Nelson East Tank Battery

MW-02
12/20/2016 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612236-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6L2003	12/20/2016	12/21/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	13.5	1.00	"	"	"	"	"	
Xylenes, total	50.0	1.00	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.4 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	104 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.7 %	84-114			"	"	"	

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: Synergy - Nelson East Tank Battery

MW-03
12/20/2016 12:33:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612236-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6L2003	12/20/2016	12/21/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"	

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: Synergy - Nelson East Tank Battery

MW-04
12/20/2016 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612236-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6L2003	12/20/2016	12/21/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.9 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.7 %	84-114			"	"	"	

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: Synergy - Nelson East Tank Battery

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 B6L2003 - EPA 5030B (Water)

Blank (B6L2003-BLK1)

Prepared: 12/20/2016 Analyzed: 12/20/2016

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	33		"	62.5	53.4		84-121			
Surrogate: Toluene-d8	62		"	62.5	99.9		85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5	102		84-114			

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: Synergy - Nelson East Tank Battery

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 B6L2003 - EPA 5030B (Water)

LCS (B6L2003-BS1)

Prepared: 12/20/2016 Analyzed: 12/20/2016

Benzene	56.1	1.00	ug/L	50.0		112	73.3-129			
Toluene	47.7	1.00	"	50.0		95.4	76.2-123			
Ethylbenzene	55.2	1.00	"	50.0		110	73.6-130			
m,p-Xylene	114	2.00	"	100		114	76.1-126			
o-Xylene	57.4	1.00	"	50.0		115	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	49		"	62.5		77.9	84-121			
Surrogate: Toluene-d8	60		"	62.5		96.2	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.9	84-114			

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: Synergy - Nelson East Tank Battery

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 B6L2003 - EPA 5030B (Water)

Matrix Spike (B6L2003-MS1)	Source: X612218-07			Prepared: 12/20/2016 Analyzed: 12/20/2016						
Benzene	52.2	1.00	ug/L	50.0	ND	104	74-130			
Toluene	53.8	1.00	"	50.0	ND	108	73-131			
Ethylbenzene	53.8	1.00	"	50.0	ND	108	76-132			
m,p-Xylene	109	2.00	"	100	ND	109	69-139			
o-Xylene	52.4	1.00	"	50.0	ND	105	74-131			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	84-114			

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: Synergy - Nelson East Tank Battery

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 B6L2003 - EPA 5030B (Water)

Matrix Spike Dup (B6L2003-MSD1)	Source: X612218-07			Prepared: 12/20/2016 Analyzed: 12/20/2016						
Benzene	52.4	1.00	ug/L	50.0	ND	105	74-130	0.382	20	
Toluene	52.4	1.00	"	50.0	ND	105	73-131	2.49	20	
Ethylbenzene	53.4	1.00	"	50.0	ND	107	76-132	0.709	20	
m,p-Xylene	106	2.00	"	100	ND	106	69-139	2.41	20	
o-Xylene	52.2	1.00	"	50.0	ND	104	74-131	0.401	20	
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		88.9	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	84-114			

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: Synergy - Nelson East Tank Battery

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President



December 27, 2016

Eagle Environmental Consulting, Inc.

Dan Coloccia

4101 Inca Street

Denver

CO 80211

**Project Name - Synergy - Nelson East Tank
Battery**

Project Number - [none]

Attached are your analytical results for Synergy - Nelson East Tank Battery received by Origins Laboratory, Inc. December 23, 2016. This project is associated with Origins project number X612288-01.

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

Dan Coloccia
Project Number: [none]
Project: Synergy - Nelson East Tank Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-06 @ 5-6'	X612288-01	Soil	December 23, 2016 6:10	12/23/2016 14:30
MW-07 @ 5-6.5'	X612288-02	Soil	December 23, 2016 10:30	12/23/2016 14:30
MW-08 @ 5-6.5'	X612288-03	Soil	December 23, 2016 9:50	12/23/2016 14:30

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X612288

Client: Eagle

Client Project ID: Nelson East Tank Battery

Checklist Completed by: Jeff Smith

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

Date/time completed: 10-23-16

Airbill #: NA

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

Cooler Number/Temperature: 1 11.7 °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⁾ ?		X		Sampled Some Dry
Is there ice present (document if blue ice is used)	A			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		f		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		C		
Were all samples received intact ⁽¹⁾ ?	f			
Was adequate sample volume provided ⁽¹⁾ ?	c			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	f			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			f	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<		
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.

Jeff Smith
 Reviewed by (Project Manager)

10-23-16
 Date/Time Reviewed

Origins Laboratory, Inc.



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

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-06 @ 5-6'
12/23/2016 6:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612288-01 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B6L2303	12/23/2016	12/23/2016	U
Surrogate: o-Terphenyl	96.1 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6L2302	12/23/2016	12/23/2016	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.7 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-07 @ 5-6.5'
12/23/2016 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612288-02 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B6L2303	12/23/2016	12/23/2016	U
<i>Surrogate: o-Terphenyl</i>	86.6 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6L2302	12/23/2016	12/23/2016	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.0 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	97.1 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-08 @ 5-6.5'
12/23/2016 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612288-03 (Soil)

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

Diesel (C10-C28)	ND	50.0	mg/kg	1	B6L2303	12/23/2016	12/23/2016	U
<i>Surrogate: o-Terphenyl</i>	80.6 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B6L2302	12/23/2016	12/23/2016	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	108 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.1 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.9 %	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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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
Batch B6L2302 - EPA 5030 (soil)										
Blank (B6L2302-BLK1)										
					Prepared: 12/23/2016 Analyzed: 12/23/2016					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.5	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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2302 - EPA 5030 (soil)

LCS (B6L2302-BS1)

Prepared: 12/23/2016 Analyzed: 12/23/2016

Benzene	0.098	0.002	mg/kg	0.100		97.6	77.1-124			
Toluene	0.095	0.002	"	0.100		94.5	74.5-128			
Ethylbenzene	0.093	0.002	"	0.100		92.7	66.4-127			
m,p-Xylene	0.189	0.004	"	0.200		94.3	76.6-124			
o-Xylene	0.092	0.002	"	0.100		92.0	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	72		ug/kg	62.5		115	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.7	70-130			

Origins Laboratory, Inc.



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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2302 - EPA 5030 (soil)

Matrix Spike (B6L2302-MS1)	Source: X612248-01			Prepared: 12/23/2016 Analyzed: 12/23/2016						
Benzene	0.105	0.002	mg/kg	0.100	ND	105	71.8-126			
Toluene	0.107	0.002	"	0.100	ND	107	65.1-130			
Ethylbenzene	0.105	0.002	"	0.100	ND	105	62.2-130			
m,p-Xylene	0.211	0.004	"	0.200	ND	106	46.5-137			
o-Xylene	0.104	0.002	"	0.100	ND	104	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	54		ug/kg	62.5		86.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.5	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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2302 - EPA 5030 (soil)

Matrix Spike Dup (B6L2302-MSD1)	Source: X612248-01			Prepared: 12/23/2016 Analyzed: 12/23/2016						
Benzene	0.104	0.002	mg/kg	0.100	ND	104	71.8-126	1.49	11.3	
Toluene	0.105	0.002	"	0.100	ND	105	65.1-130	2.27	15.4	
Ethylbenzene	0.100	0.002	"	0.100	ND	100	62.2-130	4.21	19.6	
m,p-Xylene	0.203	0.004	"	0.200	ND	101	46.5-137	4.06	19.2	
o-Xylene	0.100	0.002	"	0.100	ND	100	54.2-134	4.12	17.9	
Surrogate: 1,2-Dichloroethane-d4	52		ug/kg	62.5		83.3	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2303 - EPA 3580

Blank (B6L2303-BLK1)

Prepared: 12/23/2016 Analyzed: 12/23/2016

Diesel (C10-C28)	ND	50.0	mg/kg							U
Surrogate: o-Terphenyl	53		"	50.0		106	59-131			

LCS (B6L2303-BS1)

Prepared: 12/23/2016 Analyzed: 12/23/2016

Diesel (C10-C28)	874	50.0	mg/kg	1000		87.4	64-121			
Surrogate: o-Terphenyl	37		"	50.0		74.6	59-131			

Matrix Spike (B6L2303-MS1)

Source: X612248-01

Prepared: 12/23/2016 Analyzed: 12/23/2016

Diesel (C10-C28)	1110	50.0	mg/kg	1000	ND	111	53-125			
Surrogate: o-Terphenyl	50		"	50.0		99.8	59-131			

Matrix Spike Dup (B6L2303-MSD1)

Source: X612248-01

Prepared: 12/23/2016 Analyzed: 12/23/2016

Diesel (C10-C28)	1090	50.0	mg/kg	1000	ND	109	53-125	1.69	20	
Surrogate: o-Terphenyl	46		"	50.0		92.1	59-131			

Origins Laboratory, Inc.



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

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

Dan Coloccia
Project Number: [none]
Project: Synergy - Nelson East Tank Battery

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President



December 27, 2016

Eagle Environmental Consulting, Inc.

Dan Coloccia

4101 Inca Street

Denver

CO 80211

**Project Name - Synergy - Nelson East Tank
Battery**

Project Number - [none]

Attached are your analytical results for Synergy - Nelson East Tank Battery received by Origins Laboratory, Inc. December 23, 2016. This project is associated with Origins project number X612289-01.

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

Dan Coloccia
Project Number: [none]
Project: Synergy - Nelson East Tank Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5	X612289-01	Water	December 23, 2016 11:29	12/23/2016 14:30
MW-6	X612289-02	Water	December 23, 2016 11:51	12/23/2016 14:30
MW-7	X612289-03	Water	December 23, 2016 12:17	12/23/2016 14:30
MW-8	X612289-04	Water	December 23, 2016 12:29	12/23/2016 14:30

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X612287

Client: Eagle

Client Project ID: Nelson East Tank Battery

Checklist Completed by: Jeff Smith

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

Date/time completed: 12-23-16

Airbill #: N/A

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

Cooler Number/Temperature: 1, 11.7 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: T003

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

Jeff Smith
 Reviewed By (Project Manager)

12-23-16
 Date/Time Reviewed

Origins Laboratory, Inc.



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

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-5
12/23/2016 11:29:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612289-01 (Water)

BTEX by EPA 8260C

Benzene	750	50.0	ug/L	50	B6L2701	12/27/2016	12/27/2016	
Toluene	1380	50.0	"	"	"	"	"	
Ethylbenzene	4840	50.0	"	"	"	"	"	
Xylenes, total	24700	50.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	84-121			"	"	12/27/2016	
Surrogate: Toluene-d8	76.8 %	85-115			"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	114 %	84-114			"	"	"	

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-6
12/23/2016 11:51:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612289-02 (Water)

BTEX by EPA 8260C

Benzene	13.1	1.00	ug/L	1	B6L2701	12/27/2016	12/27/2016	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	12.1	1.00	"	"	"	"	"	
Xylenes, total	40.8	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	105 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %	84-114			"	"	"	

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-7
12/23/2016 12:17:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612289-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6L2701	12/27/2016	12/27/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %	84-114			"	"	"	

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

MW-8
12/23/2016 12:29:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X612289-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6L2701	12/27/2016	12/27/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	10.6	1.00	"	"	"	"	"	
Xylenes, total	52.2	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	105 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2701 - EPA 5030B (Water)

Blank (B6L2701-BLK1)

Prepared: 12/27/2016 Analyzed: 12/27/2016

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2701 - EPA 5030B (Water)

LCS (B6L2701-BS1)

Prepared: 12/27/2016 Analyzed: 12/27/2016

Benzene	43.2	1.00	ug/L	50.0		86.3	73.3-129			
Toluene	43.5	1.00	"	50.0		86.9	76.2-123			
Ethylbenzene	40.9	1.00	"	50.0		81.8	73.6-130			
m,p-Xylene	83.0	2.00	"	100		83.0	76.1-126			
o-Xylene	43.3	1.00	"	50.0		86.6	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.5	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	84-114			

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2701 - EPA 5030B (Water)

Matrix Spike (B6L2701-MS1)	Source: X612289-02			Prepared: 12/27/2016 Analyzed: 12/27/2016						
Benzene	50.8	1.00	ug/L	50.0	13.1	75.4	74-130			
Toluene	43.5	1.00	"	50.0	ND	87.0	73-131			
Ethylbenzene	50.0	1.00	"	50.0	12.1	75.9	76-132			QM-07
m,p-Xylene	94.6	2.00	"	100	24.2	70.4	69-139			
o-Xylene	53.8	1.00	"	50.0	16.6	74.4	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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

Dan Coloccia
 Project Number: [none]
 Project: Synergy - Nelson East Tank Battery

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 B6L2701 - EPA 5030B (Water)

Matrix Spike Dup (B6L2701-MSD1)	Source: X612289-02			Prepared: 12/27/2016 Analyzed: 12/27/2016						
Benzene	54.9	1.00	ug/L	50.0	13.1	83.5	74-130	7.64	20	
Toluene	47.2	1.00	"	50.0	ND	94.5	73-131	8.27	20	
Ethylbenzene	52.2	1.00	"	50.0	12.1	80.3	76-132	4.34	20	
m,p-Xylene	100	2.00	"	100	24.2	75.9	69-139	5.63	20	
o-Xylene	56.3	1.00	"	50.0	16.6	79.3	74-131	4.45	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.7	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114			

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4101 Inca Street
Denver CO 80211

Dan Coloccia
Project Number: [none]
Project: Synergy - Nelson East Tank Battery

Notes and Definitions

U Sample is Non-Detect.

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

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President