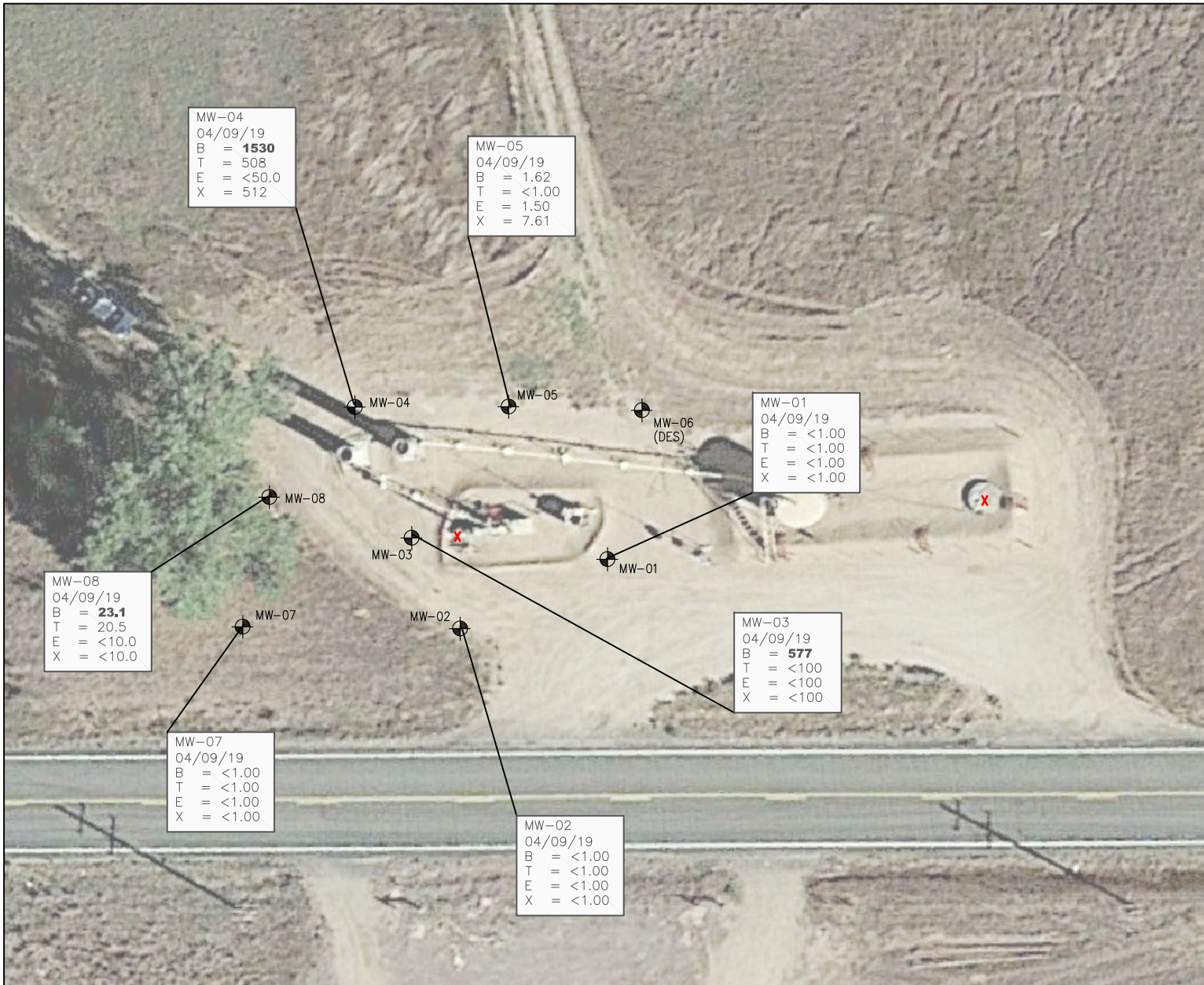




FIGURES

Figure 1: Groundwater Analytical Map (04/09/19)

Figure 2: Groundwater Elevation Map (04/09/19)



NOTE: NOBLE FACILITIES HAVE BEEN REMOVED FROM THE SITE – SHOWN FOR ILLUSTRATIVE PURPOSES. ONLY THE DCP METER HOUSE REMAINS ON-SITE AS OF 02/25/19

LEGEND

- X APPROXIMATE RELEASE LOCATIONS
- APPROXIMATE MONITORING WELL LOCATIONS

PARAMETERS

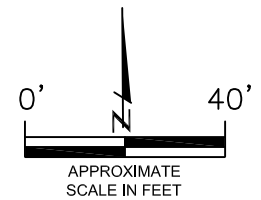
SAMPLE LOCATION
DATE
B = BENZENE (µg/L)
T = TOLUENE (µg/L)
E = ETHYLBENZENE (µg/L)
X = TOTAL XYLENES (µg/L)

µg/L = MICROGRAMS PER LITER

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

VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED COGCC TABLE 910-1 REGULATORY LIMITS.

COGCC – COLORADO OIL AND GAS CONSERVATION COMMISSION



GROUNDWATER ANALYTICAL MAP
(04/09/19)
GEMINI B #31-11, 12, 13, 14, 25
FLOW LINE RELEASE
40.348611 / -104.597026
SE1/4 SW1/4 SEC.31 T5N R64W 6PM
WELD COUNTY, COLORADO
REMIEDIATION # 12355

DATE:
07/08/19
DRAWN BY:
AMN
FIG.
NO. 1



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



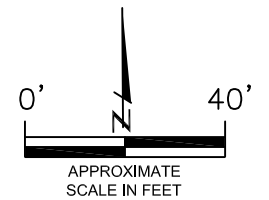
NOTE: NOBLE FACILITIES HAVE BEEN REMOVED FROM THE SITE – SHOWN FOR ILLUSTRATIVE PURPOSES. ONLY THE DCP METER HOUSE REMAINS ON-SITE AS OF 02/25/19

LEGEND

- X APPROXIMATE RELEASE LOCATIONS
- APPROXIMATE MONITORING WELL LOCATIONS
- (92.26) GROUNDWATER ELEVATION (FT.)
- INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- FT. = FEET

NOTE:

GROUNDWATER ELEVATION DATA WAS COLLECTED ON APRIL 9, 2019. GROUNDWATER ELEVATION DATA COLLECTED FROM MONITORING WELL MW-04 WAS NOT USED IN THE CONSTRUCTION OF INFERRED GROUNDWATER ELEVATION CONTOURS.



GROUNDWATER ELEVATION MAP
 (04/09/19)
 GEMINI B #31-11, 12, 13, 14, 25
 FLOW LINE RELEASE
 40.348611 / -104.597026
 SE1/4 SW1/4 SEC.31 T5N R64W 6PM
 WELD COUNTY, COLORADO
 REMEDIATION # 12355

DATE:	04/16/19
DRAWN BY:	AMN
FIG. NO.	2



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



TABLES

Table 1: Groundwater Analytical Results Summary

Table 2: Groundwater Elevation Summary

**TABLE 1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
GEMINI B #31-11, 12, 13, 14, 25
FLOW LINE RELEASE
40.348611 / -104.597026
SE¼ SW¼ SEC.31 T5N R64W 6PM
WELD COUNTY, COLORADO
REMEDATION # 12355**

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
COGCC Table 910-1 Regulatory Limits (µg/L)		5	560	700	1400
MW-01 (40.348598 / -104.596953)	10/19/18	<4.00	<4.00	32.2	563
	01/03/19	1.75	<1.00	<1.00	<1.00
	04/09/19	<1.00	<1.00	<1.00	<1.00
MW-02 (40.348562 / -104.597124)	10/19/18	<1.00	<1.00	<1.00	<1.00
	01/03/19	<1.00	<1.00	<1.00	<1.00
	04/09/19	<1.00	<1.00	<1.00	<1.00
MW-03 (40.348624 / -104.597153)	10/19/18	11100	8470	<1.00	7610
	01/03/19	8880	668	70.2	1930
	04/09/19	577	<100	<100	<100
MW-04 (40.348710 / -104.597192)	10/19/18	3290	6640	<1.00	5360
	01/03/19	3250	2540	178	3930
	04/09/19	1530	508	<50.0	512
MW-05 (40.348709 / -104.597051)	10/19/18	1.50	5.48	1.80	15.0
	01/03/19	11.2	<1.00	17.8	73.6
	04/09/19	1.62	<1.00	1.50	7.61
MW-06 (40.348710 / -104.596927)	10/19/18	5.26	<1.00	<1.00	4.53
	01/03/19	<1.00	<1.00	<1.00	<1.00
	04/09/19	DES			
MW-07 (40.348557 / -104.597285)	01/03/19	<1.00	<1.00	<1.00	<1.00
	04/09/19	<1.00	<1.00	<1.00	<1.00
MW-08 (40.348649 / -104.597266)	01/03/19	720	891	45.6	648
	04/09/19	23.1	20.5	<10.0	<10.0
<p>COGCC = Colorado Oil and Gas Conservation Commission µg/L - micrograms per liter Note: Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit. Values presented in bold typeface exceed their respective COGCC - Regulatory Limits (Table 910-1).</p>					

**TABLE 2
GROUNDWATER ELEVATION SUMMARY
GEMINI B #31-11, 12, 13, 14, 25
FLOW LINE RELEASE
40.348611 / -104.597026
SE¼ SW¼ SEC.31 T5N R64W 6PM
WELD COUNTY, COLORADO
REMEDATION # 12355**

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater from TOC (feet)	Relative Groundwater Elevation (feet) (TOC)	Stickup Height (feet)	Depth to Groundwater (feet) (BGS)
MW-01 (40.348598/-104.596953)	10/19/18	99.54	14.35	85.19	2.87	11.48
	01/03/19		15.56	83.98		12.69
	04/09/19		16.02	83.52		13.15
MW-02 (40.348562/-104.597124)	10/19/18	100.00	13.55	86.45	3.23	10.32
	01/03/19		14.97	85.03		11.74
	04/09/19		15.21	84.79		11.98
MW-03 (40.348624/-104.597153)	10/19/18	99.67	13.65	86.02	3.01	10.64
	01/03/19		14.59	85.08		11.58
	04/09/19		15.23	84.44		12.22
MW-04 (40.348710/-104.597192)	10/19/18	97.86	12.75	85.11	3.07	9.68
	01/03/19		13.60	84.26		10.53
	04/09/19		12.33	85.53		9.26
MW-05 (40.348709/-104.597051)	10/19/18	98.53	16.00	82.53	2.66	13.34
	01/03/19		15.61	82.92		12.95
	04/09/19		16.14	82.39		13.48
MW-06 (40.348710/-104.596927)	10/19/18	98.89	15.15	83.74	2.53	12.62
	01/03/19		15.72	83.17		13.19
	04/09/19			DES		
MW-07 (40.348557/-104.597285)	01/03/19	100.92	14.28	86.64	2.68	11.60
	04/09/19		14.43	86.49		11.75
MW-08 (40.348649/-104.597266)	01/03/19	97.46	11.86	85.60	2.55	9.31
	04/09/19		12.49	84.97		9.94
NOTES: TOC - top of casing BGS - below ground surface						



ATTACHMENT A

Laboratory Analytical Report



April 15, 2019

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - Gemini B
#31-11,12,13,14,25**

Project Number - [none]

Attached are your analytical results for Noble - Gemini B #31-11,12,13,14,25 received by Origins Laboratory, Inc. April 09, 2019. This project is associated with Origins project number Y904194-01.

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 - Gemini B #31-11,12,13,14,25

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y904194-01	Water	April 9, 2019 10:45	04/09/2019 16:05
MW-02	Y904194-02	Water	April 9, 2019 10:59	04/09/2019 16:05
MW-03	Y904194-03	Water	April 9, 2019 11:14	04/09/2019 16:05
MW-04	Y904194-04	Water	April 9, 2019 11:25	04/09/2019 16:05
MW-05	Y904194-05	Water	April 9, 2019 11:37	04/09/2019 16:05
MW-07	Y904194-06	Water	April 9, 2019 11:45	04/09/2019 16:05
MW-08	Y904194-07	Water	April 9, 2019 11:54	04/09/2019 16:05

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 - Gemini B #31-11,12,13,14,25

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y904194

Client: Eagle

Client Project ID: Gemini B 31-11,12,13,14,25

Checklist Completed by: JG

Shipped Via: HD

Date/time completed: 4/10/2019

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

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

Cooler Number/Temperature: 1 / 4.5 °C / °C / °C (Describe) °C

Thermometer ID: T003

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

JAD
 Reviewed by (Project Manager)

4/11/19
 Date/Time Reviewed

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Gemini B #31-11,12,13,14,25

MW-01

4/9/2019 10:45:00AM

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

Origins Laboratory, Inc.
Y904194-01 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9D1111	JTD	04/11/2019	04/12/2019	U
Toluene	ND	1.00	"	"	"	JTD	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JTD	"	"	U
Xylenes, total	ND	1.00	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Gemini B #31-11,12,13,14,25

MW-02

4/9/2019 10:59:00AM

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

Origins Laboratory, Inc.
Y904194-02 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9D1111	JTD	04/11/2019	04/12/2019	U
Toluene	ND	1.00	"	"	"	JTD	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JTD	"	"	U
Xylenes, total	ND	1.00	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %	70-130			"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Gemini B #31-11,12,13,14,25

MW-03

4/9/2019 11:14:00AM

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

Origins Laboratory, Inc.
Y904194-03 (Water)

BTEX by EPA 8260D

Benzene	577	100	ug/L	100	B9D1111	JTD	04/11/2019	04/12/2019	
Toluene	ND	100	"	"	"	JTD	"	"	U
Ethylbenzene	ND	100	"	"	"	JTD	"	"	U
Xylenes, total	ND	100	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	101 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Gemini B #31-11,12,13,14,25

MW-04
4/9/2019 11:25:00AM

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

Origins Laboratory, Inc.
Y904194-04 (Water)

BTEX by EPA 8260D

Benzene	1530	50.0	ug/L	50	B9D1111	JTD	04/11/2019	04/12/2019	
Toluene	508	50.0	"	"	"	JTD	"	"	
Ethylbenzene	ND	50.0	"	"	"	JTD	"	"	U
Xylenes, total	512	50.0	"	"	"	JTD	"	"	

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	103 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	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: Noble - Gemini B #31-11,12,13,14,25

MW-05

4/9/2019 11:37:00AM

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

Origins Laboratory, Inc.
Y904194-05 (Water)

BTEX by EPA 8260D

Benzene	1.62	1.00	ug/L	1	B9D1111	JTD	04/11/2019	04/12/2019	
Toluene	ND	1.00	"	"	"	JTD	"	"	U
Ethylbenzene	1.50	1.00	"	"	"	JTD	"	"	
Xylenes, total	7.61	1.00	"	"	"	JTD	"	"	

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %	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: Noble - Gemini B #31-11,12,13,14,25

MW-07

4/9/2019 11:45:00AM

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

Origins Laboratory, Inc.
Y904194-06 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9D1111	JTD	04/11/2019	04/12/2019	U
Toluene	ND	1.00	"	"	"	JTD	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JTD	"	"	U
Xylenes, total	ND	1.00	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.8 %	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: Noble - Gemini B #31-11,12,13,14,25

MW-08

4/9/2019 11:54:00AM

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

Origins Laboratory, Inc.
Y904194-07 (Water)

BTEX by EPA 8260D

Benzene	23.1	10.0	ug/L	10	B9D1111	JTD	04/11/2019	04/12/2019	
Toluene	20.5	10.0	"	"	"	JTD	"	"	
Ethylbenzene	ND	10.0	"	"	"	JTD	"	"	U
Xylenes, total	ND	10.0	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Gemini B #31-11,12,13,14,25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9D1111 - EPA 5030B (Water)

Blank (B9D1111-BLK1)

Prepared: 04/11/2019 Analyzed: 04/12/2019

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	62		"	62.5	98.5		70-130			
Surrogate: Toluene-d8	64		"	62.5	103		70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	97.4		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 - Gemini B #31-11,12,13,14,25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9D1111 - EPA 5030B (Water)

LCS (B9D1111-BS1)

Prepared: 04/11/2019 Analyzed: 04/12/2019

Benzene	49.6	1.00	ug/L	50.0		99.2	70-130			
Toluene	47.9	1.00	"	50.0		95.9	70-130			
Ethylbenzene	45.1	1.00	"	50.0		90.3	70-130			
m,p-Xylene	92.6	2.00	"	100		92.6	70-130			
o-Xylene	46.4	1.00	"	50.0		92.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.4	70-130			
Surrogate: Toluene-d8	65		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Gemini B #31-11,12,13,14,25

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D1111 - EPA 5030B (Water)

Matrix Spike (B9D1111-MS1)	Source: Y904194-02			Prepared: 04/11/2019 Analyzed: 04/12/2019						
Benzene	49.3	1.00	ug/L	50.0	ND	98.7	70-130			
Toluene	47.8	1.00	"	50.0	ND	95.5	70-130			
Ethylbenzene	45.1	1.00	"	50.0	0.080	90.1	70-130			
m,p-Xylene	91.5	2.00	"	100	ND	91.5	70-130			
o-Xylene	46.8	1.00	"	50.0	ND	93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.0	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9D1111 - EPA 5030B (Water)

Matrix Spike Dup (B9D1111-MSD1)	Source: Y904194-02			Prepared: 04/11/2019 Analyzed: 04/12/2019						
Benzene	49.1	1.00	ug/L	50.0	ND	98.1	70-130	0.528	20	
Toluene	47.7	1.00	"	50.0	ND	95.5	70-130	0.0209	20	
Ethylbenzene	44.7	1.00	"	50.0	0.080	89.2	70-130	1.00	20	
m,p-Xylene	91.6	2.00	"	100	ND	91.6	70-130	0.153	20	
o-Xylene	46.6	1.00	"	50.0	ND	93.2	70-130	0.300	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.5	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

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Martin C Eckert III
Project Number: [none]
Project: Noble - Gemini B #31-11,12,13,14,25

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.

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Jen Pellegrini For Noelle Doyle Mathis, President