



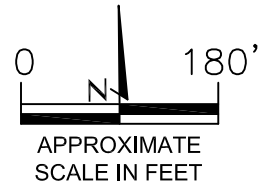
## **FIGURES**

**Figure 1: Remediation System Layout Map**

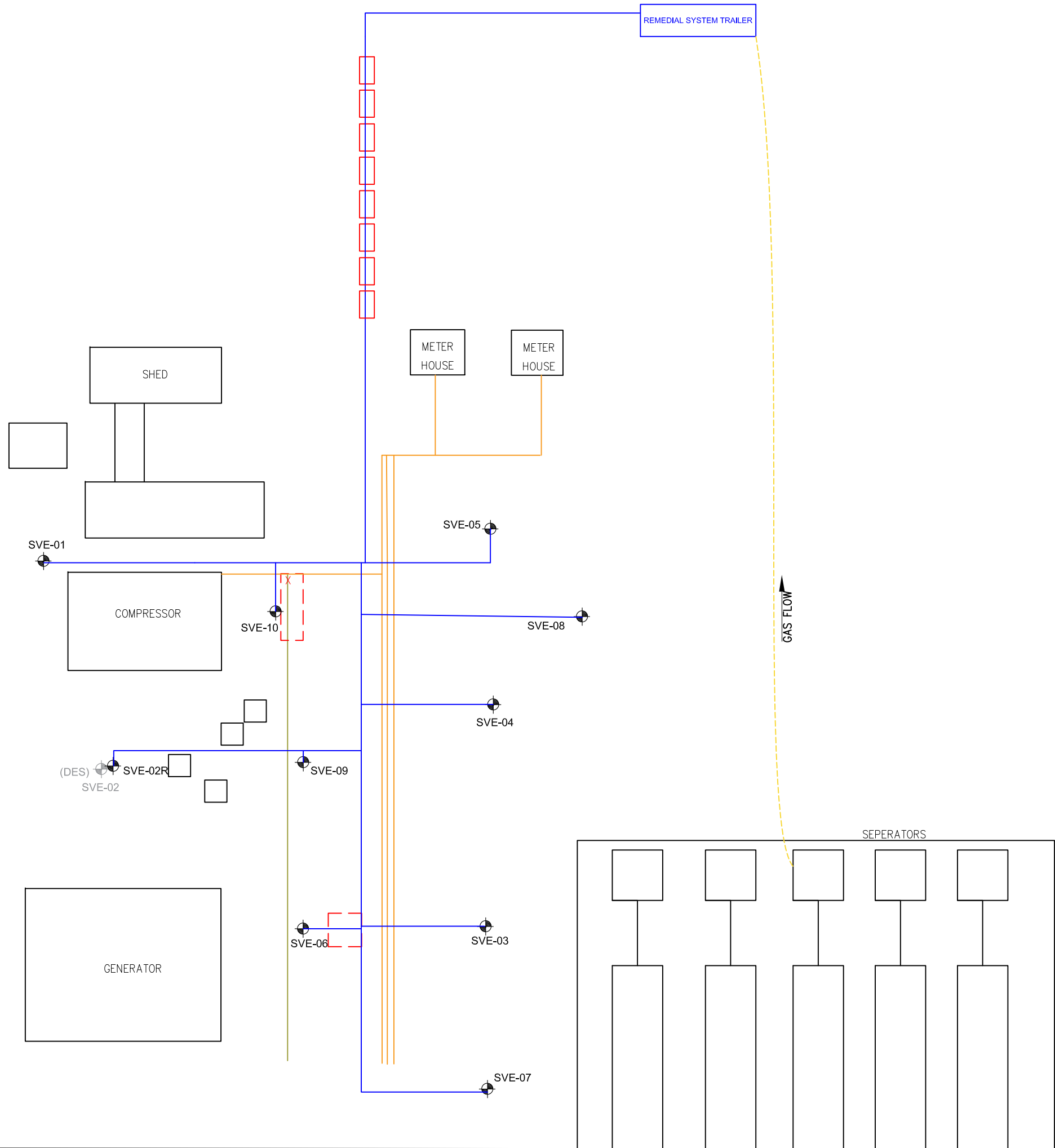
**Figure 2: Groundwater Analytical Map (03/03/21)**

**Figure 3: Groundwater Elevation Map (03/10/21)**

**Figure 4: Inorganic Groundwater Parameters Map (03/10/21)**

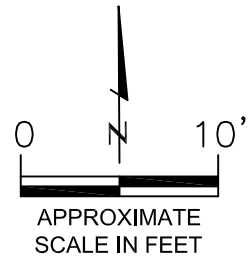


SITE MAP INSERT



- LEGEND**
- X APPROXIMATE RELEASE LOCATION
  - ABOVEGROUND INFRASTRUCTURE
  - APPROXIMATE UNDERGROUND (ABANDONED) LINE
  - APPROXIMATE ABOVE GROUND FLOWLINE LOCATIONS
  - - - APPROXIMATE SURFACING/EXCAVATION BOUNDARIES 05/09/18
  - ⊙ APPROXIMATE SOIL VAPOR EXTRACTION (SVE) WELL LOCATIONS
  - ⊙ DESTROYED (DES) SVE WELL LOCATION
  - ABOVE-GROUND CONVEYANCE LINE LAYOUT
  - - - SEPARATOR GAS LINE LAYOUT
  - LINE CROSSING RAMPS
  - REMEDIAL TRAILER LOCATION

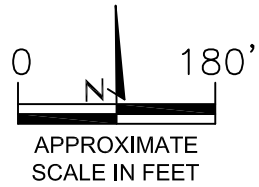
NOTE:  
CLEAR AERIAL IMAGE NOT AVAILABLE FOR LOCATION. DRAWING BASED  
ON FIELD OBSERVATIONS AND MEASUREMENTS



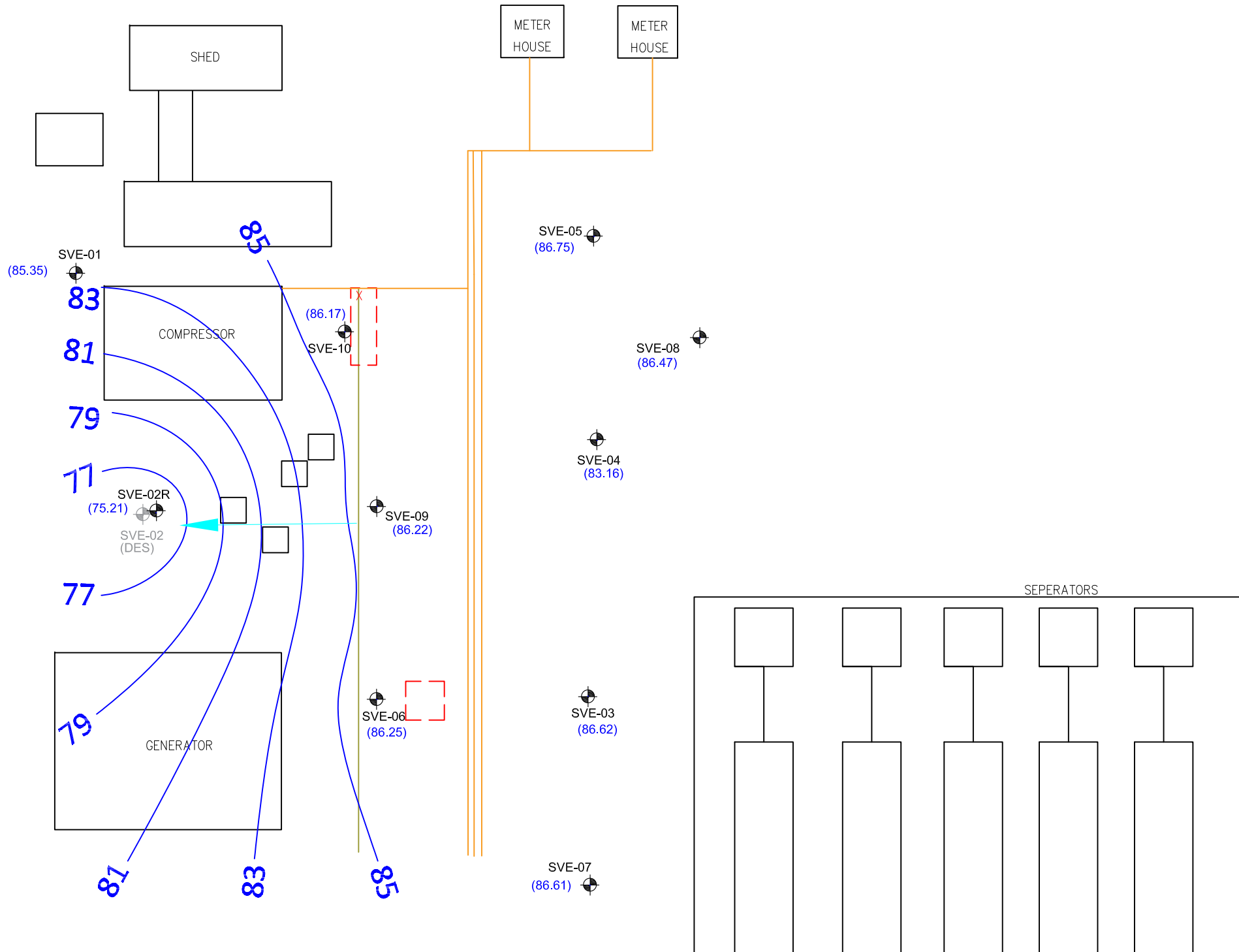
REMEDATION SYSTEM LAYOUT MAP  
WELLS RANCH AE32 ECONODE  
FLOW LINE RELEASE  
40.4440 / -104.3552  
SW1/4 NW1/4 SEC.32 T6N R62W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 12140

DATE 04/20/21		
FIG. NO. 1	DRAWN BY amn	

**EAGLE**  
ENVIRONMENTAL  
CONSULTING, INC.  
8000 W 44th Ave, Wheat Ridge, CO 80033  
Ph: 303-433-0479 • F: 303-325-5449



SITE MAP INSERT



LEGEND

- X APPROXIMATE RELEASE LOCATION
- ABOVEGROUND INFRASTRUCTURE
- APPROXIMATE UNDERGROUND (ABANDONED) LINE
- APPROXIMATE ABOVE GROUND FLOWLINE LOCATIONS
- - - APPROXIMATE SURFACING/EXCAVATION BOUNDARIES 05/09/18
- ⊕ APPROXIMATE SOIL VAPOR EXTRACTION (SVE) WELL LOCATIONS
- ⊕ DESTROYED (DES) SVE WELL LOCATION

(87.31) RELATIVE GROUNDWATER ELEVATION (FT.)

— INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)

→ APPROXIMATE GROUNDWATER FLOW DIRECTION

FT. = FEET

NOTE:

GROUNDWATER ELEVATION DATA WAS COLLECTED FROM ALL MONITORING WELLS ON 03/03/21. GROUNDWATER ELEVATION DATA COLLECTED FROM SVE-04 WAS NOT USED IN THE CONSTRUCTION OF INFERRED GROUNDWATER ELEVATION CONTOURS.

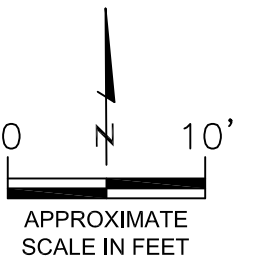
APPROXIMATELY 0.24 AND 1.05 FEET OF LNAPL WAS OBSERVED IN WELLS SVE-06 AND SVE-09, RESPECTIVELY, ON 03/03/21. LNAPL OBSERVED IN SVE-03, SVE-04, AND SVE-10 DURING BAILING (PRODUCT THICKNESS NOT AVAILABLE – GLOBULES/THIN MEMBRANE OBSERVED – LNAPL NOT DETECTED ON INTERFACE PROBE)

(~0.01') – APPROXIMATE LNAPL THICKNESS (FEET)

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

CLEAR AERIAL IMAGE NOT AVAILABLE FOR LOCATION. DRAWING BASED ON FIELD OBSERVATIONS AND MEASUREMENTS



GROUNDWATER ELEVATION MAP

(03/03/21)

WELLS RANCH AE32 ECONODE

FLOW LINE RELEASE

40.4440 / -104.3552

SW1/4 NW1/4 SEC.32 T6N R62W 6PM

WELD COUNTY, COLORADO

REMEDATION # 12140

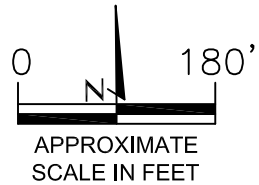
DATE  
04/20/21

FIG.  
NO.  
2

DRAWN BY  
amn



**EAGLE**  
ENVIRONMENTAL  
CONSULTING, INC.  
8000 W 44th Ave, Wheat Ridge, CO 80033  
Ph: 303-433-0479 • F: 303-325-5449



SITE MAP INSERT

SVE-01  
03/10/21  
B = 2.17  
T = <1.00  
E = 1.60  
X = <1.00  
N = <4.00  
1,2,4-TMB = <1.00  
1,3,5-TMB = <1.00

SVE-01

SVE-02R  
03/10/21  
B = **30.5**  
T = <1.00  
E = <1.00  
X = <1.00  
N = <4.00  
1,2,4-TMB = <1.00  
1,3,5-TMB = <1.00

(DES) SVE-02R  
SVE-02

(NS) SVE-10  
(~0.33')

SVE-09  
(NS) (~0.71')

SVE-06  
(~0.09')  
(NS)

SVE-03  
(~0.26')  
(NS)

SVE-07

SVE-05  
03/10/21  
B = <4.00  
T = <4.00  
E = <4.00  
X = <4.00  
N = <16.0  
1,2,4-TMB = <4.00  
1,3,5-TMB = <4.00

SVE-05

SVE-08  
03/10/21  
B = <1.00  
T = <1.00  
E = <1.00  
X = <1.00  
N = <4.00  
1,2,4-TMB = <1.00  
1,3,5-TMB = <1.00

SVE-08

(NS) SVE-04  
(~0.18')

SVE-07  
03/10/21  
B = **14600**  
T = **3710**  
E = 523  
X = **1660**  
N = 103  
1,2,4-TMB = **361**  
1,3,5-TMB = 49.4

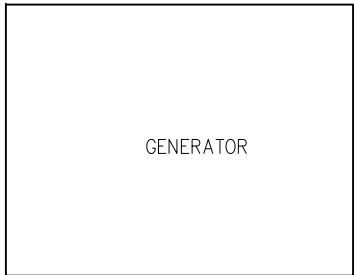
SVE-07



SHED



COMPRESSOR



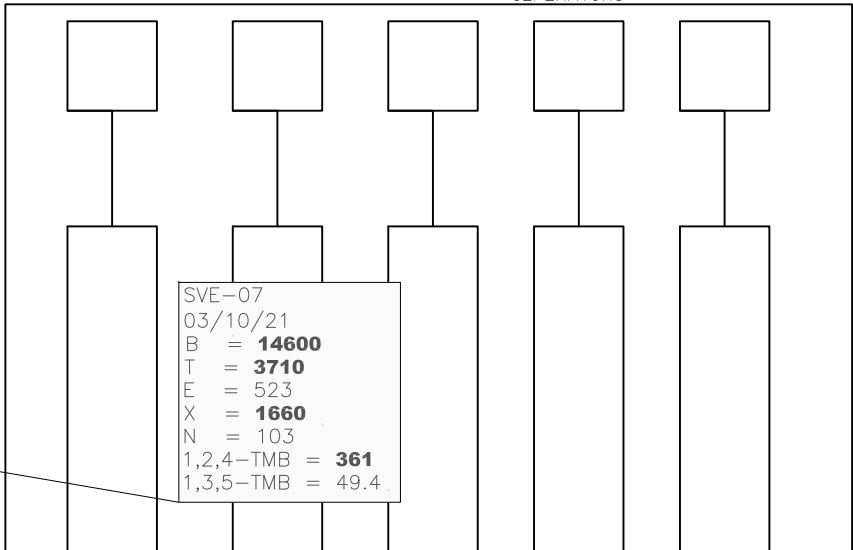
GENERATOR



METER HOUSE



METER HOUSE



SEPERATORS

LEGEND

- X APPROXIMATE RELEASE LOCATION
- ABOVEGROUND INFRASTRUCTURE
- APPROXIMATE UNDERGROUND (ABANDONED) LINE
- APPROXIMATE ABOVE GROUND FLOWLINE LOCATIONS
- APPROXIMATE SURFACING/EXCAVATION BOUNDARIES 05/09/18
- APPROXIMATE SOIL VAPOR EXTRACTION (SVE) WELL LOCATIONS
- DESTROYED (DES) SVE WELL LOCATION

PARAMETERS

GROUNDWATER SAMPLE LOCATION  
DATE  
B = BENZENE (µg/L)  
T = TOLUENE (µg/L)  
E = ETHYLBENZENE (µg/L)  
X = TOTAL XYLENES (µg/L)  
N = NAPHTHALENE (µg/L)  
1,2,4-TMB = 1,2,4-TRIMETHYLBENZENE (µg/L)  
1,3,5-TMB = 1,3,5-TRIMETHYLBENZENE (µg/L)

µg/L = MILLIGRAMS PER LITER

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

VALUES PRESENTED IN **BOLD** EXCEED THE COGCC TABLE 915-1 REGULATORY LIMITS FOR THAT COMPOUND

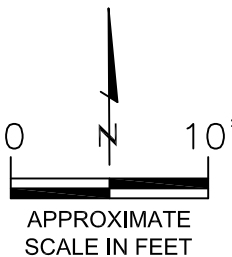
COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

APPROXIMATELY 0.26, 0.18, 0.09, 0.71, AND 0.33 FEET OF LNAPL WAS OBSERVED IN WELLS SVE-03, SVE-04, SVE-06, SVE-09, AND SVE-10, RESPECTIVELY, ON 03/10/21. WELLS WERE NOT SAMPLED (NS).

(~0.01') - APPROXIMATE LNAPL THICKNESS (FEET)

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:  
CLEAR AERIAL IMAGE NOT AVAILABLE FOR LOCATION. DRAWING BASED ON FIELD OBSERVATIONS AND MEASUREMENTS



GROUNDWATER ANALYTICAL MAP  
(03/10/21)  
WELLS RANCH AE32 ECONODE  
FLOW LINE RELEASE  
40.4440 / -104.3552  
SW1/4 NW1/4 SEC.32 T6N R62W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 12140

DATE  
04/20/21

FIG. NO.  
3

DRAWN BY  
amn



**EAGLE**  
ENVIRONMENTAL  
CONSULTING, INC.  
8000 W 44th Ave, Wheat Ridge, CO 80033  
Ph: 303-433-0479 • F: 303-325-5449





## **TABLES**

**Table 1: Groundwater Analytical Results Summary**

**Table 2: Inorganic Groundwater Parameters Summary**

**Table 3: Groundwater Elevation Summary**

TABLE 1  
GROUNDWATER ANALYTICAL RESULTS SUMMARY  
WELLS RANCH AE 32 ECONODE  
FLOW LINE RELEASE  
40.4440 / -104.3552  
SW1/4 NW1/4 SEC.32 T6N R62W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 12140

Sample Location (Latitude/Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)
<b>COGCC Table 915-1 Regulatory Limits (µg/L)</b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1400</b>	<b>140</b>	<b>67</b>	<b>67</b>
SVE-01 (40.443818606 / -104.355400044)	03/10/21	2.17	<1.00	1.60	<1.00	<4.00	<1.00	<1.00
SVE-02R (40.44378147 / -104.355358707)	03/10/21	<b>30.5</b>	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00
SVE-03 (40.44372223 / -104.35511743)	03/10/21	NS - LNAPL						
SVE-04 (40.443775392 / -104.355115091)	03/10/21	NS - LNAPL						
SVE-05 (40.443845101 / -104.355110051)	03/10/21	<4.00	<4.00	<4.00	<4.00	<16.0	<4.00	<4.00
SVE-06 (40.443726389 / -104.35520129)	03/10/21	NS - LNAPL						
SVE-07 (40.443717487 / -104.35511743)	03/10/21	<b>14600</b>	<b>3710</b>	523	<b>1660</b>	103	<b>361</b>	49.4
SVE-08 (40.443805776 / -104.3551871011)	03/10/21	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00
SVE-09 (40.443773212 / -104.355184696)	03/10/21	NS - LNAPL						
SVE-10 (40.443805780 / -104.355188918)	03/10/21	NS - LNAPL						
COGCC = Colorado Oil and Gas Conservation Commission      NS - Not Sampled µg/L - micrograms per liter      LNAPL - Light non-aqueous phase liquid Note: Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit. Values presented in <b>bold</b> typeface exceed their respective COGCC - Regulatory Limits (Table 915-1).								

TABLE 2  
INORGANICS GROUNDWATER PARAMETERS SUMMARY  
WELLS RANCH AE 32 ECONODE  
FLOW LINE RELEASE  
40.4440 / -104.3552  
SW1/4 NW1/4 SEC.32 T6N R62W 6PM  
WELD COUNTY, COLORADO  
REMEDATION # 12140

Sample Location (Latitude/Longitude)	Date	Chlorides (mg/L)	Sulfates (mg/L)	Total Dissolved Solids (mg/L)
COGCC Table 915-1 Regulatory Limits (mg/L)		1.25 x Local Background (107 to 112)	1.25 x Local Background (1375 to 1638)	1.25 x Local Background (3150 to 3263)
SVE-01 (40.443818606 / -104.355400044)	03/10/21	85.8	1100	2520
SVE-02R (40.44378147 / -104.355358707)	03/10/21	<b>166</b>	1060	2190
SVE-03 (40.44372223 / -104.35511743)	03/10/21	NS - LNAPL		
SVE-04 (40.443775392 / -104.355115091)	03/10/21	NS - LNAPL		
SVE-05 (40.443845101 / -104.355110051)	03/10/21	80.2	871	1620
SVE-06 (40.443726389 / -104.35520129)	03/10/21	NS - LNAPL		
SVE-07 (40.443717487 / -104.35511743)	03/10/21	73.6	<31.2	1340
SVE-08 (40.443805776 / -104.3551871011)	03/10/21	89.7	1310	2610
SVE-09 (40.443773212 / -104.355184696)	03/10/21	NS - LNAPL		
SVE-10 (40.443805780 / -104.355188918)	03/10/21	NS - LNAPL		
mg/L - milligrams per liter	NS - Not Sampled	LNAPL - Light non-aqueous phase liquid		
Note: The Groundwater Inorganic Parameters in wells SVE-01 and SVE-08 were used in the determination of "local background" levels at the site. Local "regulatory limit" (1.25*local background) presented (in parentheses).				
Values presented in <b>bold</b> typeface exceed their respective COGCC - Regulatory Limits (Table 915-1).				



**TABLE 3**  
**GROUNDWATER ELEVATION SUMMARY**  
**WELLS RANCH AE 32 ECONODE**  
**FLOW LINE RELEASE**  
**40.4440 / -104.3552**  
**SW1/4 NW1/4 SEC.32 T6N R62W 6PM**  
**WELD COUNTY, COLORADO**  
**REMEDIATION # 12140**

Sample Location (Latitude/Longitude)	Date	TOC Elevation (feet)	Depth to Groundwater from TOC (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Relative Groundwater Elevation* (feet)
SVE-01 (40.443818606 / -104.355400044)	03/03/21	99.78	16.43	NM	NA	83.35
	03/10/21		18.59	NM	NA	81.19
SVE-02R (40.44378147 / -104.355358707)	03/03/21	99.64	24.43	NM	NA	75.21
	03/10/21		28.26	NM	NA	71.38
SVE-03 (40.44372223 / -104.35511743)	03/03/21	99.71	13.09	NM	**	86.62
	03/10/21		13.06	12.80	0.26	86.85
SVE-04 (40.443775392 / -104.355115091)	03/03/21	99.58	16.42	NM	**	83.16
	03/10/21		24.84	24.66	0.18	74.88
SVE-05 (40.443845101 / -104.355110051)	03/03/21	99.31	12.56	NM	NA	86.75
	03/10/21		12.58	NM	NA	86.73
SVE-06 (40.443726389 / -104.35520129)	03/03/21	100.00	13.93	13.69	0.24	86.25
	03/10/21		13.81	13.77	0.09	86.26
SVE-07 (40.443717487 / -104.35511743)	03/03/21	99.77	13.16	NM	NA	86.61
	03/10/21		13.14	NM	NA	86.63
SVE-08 (40.443805776 / -104.3551871011)	03/03/21	99.50	13.03	NM	NA	86.47
	03/10/21		12.99	NM	NA	86.51
SVE-09 (40.443773212 / -104.355184696)	03/03/21	99.97	14.54	13.49	1.05	86.22
	03/10/21		14.28	13.57	0.71	86.22
SVE-10 (40.443805780 / -104.355188918)	03/03/21	99.40	13.23	NM	**	86.17
	03/10/21		13.22	12.89	0.33	86.43

**NOTES:**

TOC - top of casing

NM - Not Measured

NA - Not Applicable

\*\*Product thickness not available - globules/thin membrane - LNAPL not detected on interface probe

LNAPL = Light non-aqueous phase liquid

\* = Groundwater elevations were corrected for LNAPL thickness within monitoring wells where LNAPL was present



## **ATTACHMENT A**

### **Laboratory Analytical Reports**



March 17, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Wells Ranch AE32  
Econode**

**Project Number - [none]**

Attached are your analytical results for Noble - Wells Ranch AE32 Econode received by Origins Laboratory, Inc. March 10, 2021. This project is associated with Origins project number Y103220-01.

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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SVE-01	Y103220-01	Water	March 10, 2021 12:58	03/10/2021 15:00
SVE-02R	Y103220-02	Water	March 10, 2021 13:06	03/10/2021 15:00
SVE-05	Y103220-03	Water	March 10, 2021 11:54	03/10/2021 15:00
SVE-07	Y103220-04	Water	March 10, 2021 12:07	03/10/2021 15:00
SVE-08	Y103220-05	Water	March 10, 2021 12:01	03/10/2021 15:00

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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

4103220

page 1 of 1

Client: EAGLE ENVIRONMENTAL CONSULTING  
Address: 8000 W. 44TH AVE  
WHEAT RIDGE, CO 80033  
Telephone Number: (303) 433-0419  
Email Address: MCE@ECC-ENV.COM

Project Manager: MARTIN ECKERT III  
Project Name: WELLS RANCH AE32 ECONODE  
Project Number: ---  
Samples Collected By: MM

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa			Other
SVE-01	3/10/21	1258	3		X			X				X	1
SVE-02R		1300										X	2
SVE-05		1154										X	3
SVE-07		1207										X	4
SVE-08		1201										X	5
													6
													7
													8
													9
													10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
W. H. H.	3/10/21	1500	[Signature]	3/10/21	1500	Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>

Temp Received: 2.8 Date Results Needed: 4/1/21

Origins Laboratory, Inc.

*Jordan A. Merrill*

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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

Origins Laboratory

## Sample Receipt Checklist

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

Origins Work Order: Y1103220

Client: Eagle

Client Project ID: Noble - Wells Ranch

Checklist Completed by: Jm

Shipped Via: HD

Date/time completed: 3-11-21

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

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

Cooler Number/Temperature: 1, 28 °C 1 °C 1 °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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
Additional Comments (if any):				

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

Reviewed by: Jm (Project Manager)

3-12-21  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jm*

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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## SVE-01

3/10/2021 12:58:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y103220-01 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1C1120	TEM	03/11/2021	03/12/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	TEM	"	"	U
Benzene	2.17	1.00	"	"	"	TEM	"	"	
Ethylbenzene	1.60	1.00	"	"	"	TEM	"	"	
Naphthalene	ND	4.00	"	"	"	TEM	"	"	U
Toluene	ND	1.00	"	"	"	TEM	"	"	U
Xylenes, total	ND	1.00	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4  
Surrogate: Toluene-d8  
Surrogate: 4-Bromofluorobenzene

111 % 70-130  
90.8 % 70-130  
106 % 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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## SVE-02R

3/10/2021 1:06:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y103220-02 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1C1120	TEM	03/11/2021	03/12/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	TEM	"	"	U
Benzene	30.5	1.00	"	"	"	TEM	"	"	
Ethylbenzene	ND	1.00	"	"	"	TEM	"	"	U
Naphthalene	ND	4.00	"	"	"	TEM	"	"	U
Toluene	ND	1.00	"	"	"	TEM	"	"	U
Xylenes, total	ND	1.00	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	112 %	70-130	"	"	"
Surrogate: Toluene-d8	91.5 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	70-130	"	"	"

Origins Laboratory, Inc.



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



Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## SVE-05

3/10/2021 11:54:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y103220-03 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	4.00	ug/L	4	B1C1120	TEM	03/11/2021	03/12/2021	U
1,3,5-Trimethylbenzene	ND	4.00	"	"	"	TEM	"	"	U
Benzene	ND	4.00	"	"	"	TEM	"	"	U
Ethylbenzene	ND	4.00	"	"	"	TEM	"	"	U
Naphthalene	ND	16.0	"	"	"	TEM	"	"	U
Toluene	ND	4.00	"	"	"	TEM	"	"	U
Xylenes, total	ND	4.00	"	"	"	TEM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	115 %	70-130	"	"	"
Surrogate: Toluene-d8	88.7 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## SVE-07

3/10/2021 12:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y103220-04 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	361	20.0	ug/L	20	B1C1120	KDK	03/11/2021	03/16/2021
1,3,5-Trimethylbenzene	49.4	1.00	"	1	"	TEM	"	03/12/2021
Benzene	14600	500	"	500	"	TEM	"	03/17/2021
Ethylbenzene	523	20.0	"	20	"	KDK	"	03/16/2021
Naphthalene	103	80.0	"	"	"	KDK	"	"
Toluene	3710	20.0	"	"	"	KDK	"	"
Xylenes, total	1660	20.0	"	"	"	KDK	"	"

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
Surrogate: Toluene-d8	99.1 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	94.4 %	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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## SVE-08

3/10/2021 12:01:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y103220-05 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	B1C1120	KDK	03/11/2021	03/16/2021	U
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Benzene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	TEM	"	03/12/2021	U
Naphthalene	ND	4.00	"	"	"	TEM	"	"	U
Toluene	ND	1.00	"	"	"	KDK	"	03/16/2021	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130	"	"	03/12/2021
Surrogate: Toluene-d8	90.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

**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
<b>Batch B1C1120 - EPA 5030B (Water)</b>										
<b>Blank (B1C1120-BLK1)</b>					Prepared: 03/11/2021 Analyzed: 03/12/2021					
1,2,4-Trimethylbenzene	ND	1.00	ug/L							U
1,3,5-Trimethylbenzene	ND	1.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	4.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	69		"	62.5		111	70-130			
Surrogate: Toluene-d8	56		"	62.5		89.7	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	70-130			

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

**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
<b>Batch B1C1120 - EPA 5030B (Water)</b>										
<b>LCS (B1C1120-BS1)</b>					Prepared: 03/11/2021 Analyzed: 03/12/2021					
1,2,4-Trimethylbenzene	53.8	1.00	ug/L	50.0		108	70-130			
1,3,5-Trimethylbenzene	53.7	1.00	"	50.0		107	70-130			
Benzene	51.4	1.00	"	50.0		103	70-130			
Ethylbenzene	49.8	1.00	"	50.0		99.6	70-130			
m,p-Xylene	99.3	2.00	"	100		99.3	70-130			
Naphthalene	54.3	4.00	"	50.0		109	70-130			
o-Xylene	49.2	1.00	"	50.0		98.5	70-130			
Toluene	46.8	1.00	"	50.0		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	74		"	62.5		118	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

**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 B1C1120 - EPA 5030B (Water)**

Matrix Spike (B1C1120-MS1)		Source: Y103216-01			Prepared: 03/11/2021 Analyzed: 03/12/2021					
1,2,4-Trimethylbenzene	56.7	1.00	ug/L	50.0	ND	113	70-130			
1,3,5-Trimethylbenzene	55.4	1.00	"	50.0	ND	111	70-130			
Benzene	55.4	1.00	"	50.0	ND	111	70-130			
Ethylbenzene	51.7	1.00	"	50.0	ND	103	70-130			
m,p-Xylene	105	2.00	"	100	ND	105	70-130			
Naphthalene	63.6	4.00	"	50.0	ND	127	70-130			
o-Xylene	54.3	1.00	"	50.0	ND	109	70-130			
Toluene	50.5	1.00	"	50.0	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	78		"	62.5		125	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

**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
<b>Batch B1C1120 - EPA 5030B (Water)</b>										
<b>Matrix Spike Dup (B1C1120-MSD1)</b>	<b>Source: Y103216-01</b>				Prepared: 03/11/2021 Analyzed: 03/12/2021					
1,2,4-Trimethylbenzene	56.1	1.00	ug/L	50.0	ND	112	70-130	0.922	20	
1,3,5-Trimethylbenzene	54.8	1.00	"	50.0	ND	110	70-130	1.09	20	
Benzene	54.0	1.00	"	50.0	ND	108	70-130	2.52	20	
Ethylbenzene	50.4	1.00	"	50.0	ND	101	70-130	2.55	20	
m,p-Xylene	101	2.00	"	100	ND	101	70-130	3.89	20	
Naphthalene	64.1	4.00	"	50.0	ND	128	70-130	0.861	20	
o-Xylene	52.0	1.00	"	50.0	ND	104	70-130	4.37	20	
Toluene	47.8	1.00	"	50.0	ND	95.5	70-130	5.58	20	
Surrogate: 1,2-Dichloroethane-d4	77		"	62.5		122	70-130			
Surrogate: Toluene-d8	59		"	62.5		93.8	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		108	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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

### 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.*





March 24, 2021

Eagle Environmental Consulting, Inc.

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - Noble - Wells Ranch AE32  
Econode**

**Project Number - [none]**

Attached are your analytical results for Noble - Wells Ranch AE32 Econode received by Origins Laboratory, Inc. March 10, 2021. This project is associated with Origins project number Y103221-01.

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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SVE-01	Y103221-01	Water	March 10, 2021 12:58	03/10/2021 15:00
SVE-02R	Y103221-02	Water	March 10, 2021 13:06	03/10/2021 15:00
SVE-05	Y103221-03	Water	March 10, 2021 11:54	03/10/2021 15:00
SVE-07	Y103221-04	Water	March 10, 2021 12:07	03/10/2021 15:00
SVE-08	Y103221-05	Water	March 10, 2021 12:01	03/10/2021 15:00

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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

Origins Laboratory

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

Origins Work Order: Y103221

### Sample Receipt Checklist

Client: Eagle  
Client Project ID: Noble - Wells Ranch

Checklist Completed by: pm

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

Date/time completed: 3-11-21

Airbill #: 7112

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

Cooler Number/Temperature: 1 28 °C 1 °C 1 °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 ≤ 5°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) pm

3-12-21  
Date/Time Reviewed

Origins Laboratory, Inc.

*Jordan A. Merrill*

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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

## SVE-01

3/10/2021 12:58:00PM

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

Y103221-01 (Water)

### Anions by IC 300.0

Chloride	85.8	31.2	mg/L	125	B1C1707	Analy	03/17/2021	03/19/2021	
Sulfate	1100	31.2	"	"	"	Analy	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	2520	5.00	"	1	B1C1702	DJL	03/17/2021	03/18/2021	
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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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

## SVE-02R

3/10/2021 1:06:00PM

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

Y103221-02 (Water)

### Anions by IC 300.0

Chloride	166	31.2	mg/L	125	B1C1707	Analy	03/17/2021	03/19/2021	
Sulfate	1060	31.2	"	"	"	Analy	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	2190	5.00	"	1	B1C1702	DJL	03/17/2021	03/18/2021	
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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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## SVE-05

3/10/2021 11:54:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y103221-03 (Water)

### Anions by IC 300.0

Chloride	80.2	31.2	mg/L	125	B1C1707	Analy	03/17/2021	03/19/2021	
Sulfate	871	31.2	"	"	"	Analy	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1620	5.00	"	1	B1C1702	DJL	03/17/2021	03/18/2021	
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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.

8000 W 44th Ave

Wheat Ridge CO 80033

Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

## SVE-07

3/10/2021 12:07:00PM

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

Y103221-04 (Water)

### Anions by IC 300.0

Chloride	73.6	31.2	mg/L	125	B1C1707	Analy	03/17/2021	03/19/2021	
Sulfate	ND	31.2	"	"	"	Analy	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	1340	5.00	"	1	B1C1702	DJL	03/17/2021	03/18/2021	
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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.  
8000 W 44th Ave  
Wheat Ridge CO 80033

Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## SVE-08

3/10/2021 12:01:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y103221-05 (Water)

### Anions by IC 300.0

Chloride	89.7	31.2	mg/L	125	B1C1707	Analy	03/17/2021	03/19/2021	
Sulfate	1310	31.2	"	"	"	Analy	"	"	

### Total Dissolved Solids by 2540C

Total Dissolved Solids	2610	5.00	"	1	B1C1702	DJL	03/17/2021	03/18/2021	
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Martin C Eckert III  
Project Number: [none]  
Project: Noble - Wells Ranch AE32 Econode

## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B1C1702 - NO PREP</b>										
<b>Blank (B1C1702-BLK1)</b>					Prepared: 03/17/2021 Analyzed: 03/18/2021					
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B1C1702-BS1)</b>					Prepared: 03/17/2021 Analyzed: 03/18/2021					
Total Dissolved Solids	761	5.00	mg/L	716		106	85-115			
<b>Duplicate (B1C1702-DUP1)</b>					Source: Y103218-16 Prepared: 03/17/2021 Analyzed: 03/18/2021					
Total Dissolved Solids	1840	5.00	mg/L		1800			2.09	20	
<b>Batch B1C1707 - Filter .45um non acidified</b>										
<b>Blank (B1C1707-BLK1)</b>					Prepared: 03/17/2021 Analyzed: 03/19/2021					
Chloride	ND	0.250	mg/L							
Sulfate	ND	0.250	"							
<b>LCS (B1C1707-BS1)</b>					Prepared: 03/17/2021 Analyzed: 03/19/2021					
Chloride	1.90		mg/L	2.00		95.0	90-110			
Sulfate	1.93		"	2.00		96.3	90-110			
<b>Matrix Spike (B1C1707-MS1)</b>					Source: Y103218-04 Prepared: 03/17/2021 Analyzed: 03/23/2021					
Chloride	472		mg/L	250	238	93.6	80-120			
Sulfate	2470		"	250	2190	114	80-120			
<b>Matrix Spike Dup (B1C1707-MSD1)</b>					Source: Y103218-04 Prepared: 03/17/2021 Analyzed: 03/19/2021					
Chloride	479		mg/L	250	238	96.6	80-120	1.57	20	
Sulfate	2450		"	250	2190	104	80-120	1.05	20	

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Martin C Eckert III

Project Number: [none]

Project: Noble - Wells Ranch AE32 Econode

### Notes and Definitions

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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