Report to: Adam Kelly



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enduring Resources, LLC

Project Name: W Lybrook WSW

Work Order: E211031

Job Number: 22025-0001

Received: 11/4/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 11/10/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 11/10/22

Adam Kelly 6300 S Syracuse Way Suite 525 Centennial, CO 80111

Project Name: W Lybrook WSW

Workorder: E211031

Date Received: 11/4/2022 1:24:00PM

Adam Kelly,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2022 1:24:00PM, under the Project Name: W Lybrook WSW.

The analytical test results summarized in this report with the Project Name: W Lybrook WSW apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Technical Representative

Rayny Hagan

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
Water Supply Well	5
QC Summary Data	6
QC - Wet Chem/Gravimetric by SM2540C	6
QC - Wet Chemistry by 9040C/4500H+B	7
QC - Wet Chemistry by SM2320B	8
QC - Wet Chemistry by 9050A/2510B	9
QC - Dissolved Metals by EPA 6010C	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Enduring Resources, LLC	Project Name:	W Lybrook WSW	Reported:
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	Reported:
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/22 17:14

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
Water Supply Well	E211031-01A Aqueo	ous 11/04/22	11/04/22	Poly, 1000mL



Sample Data

Enduring Resources, LLC	Project Name:	W Lybrook WSW	
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	Reported:
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/2022 5:14:14PM

Water Supply Well E211031-01

q ₂		2211031-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
	90000000000000000000000000000000000000	O Service Service	51294.541291.735909515			es collines Collines
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L	Analys		2008 (A 0400 MODE)	Batch: 2246036
Total Dissolved Solids	35400	200	1	11/09/22	11/10/22	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units	Analys	t: KL		Batch: 2246028
pH @25°C	7.93		1	11/08/22 11:39	11/09/22 16:38	H5
Wet Chemistry by SM2320B	mg/L	mg/L	Analys	st: KF		Batch: 2246007
Total Alkalinity (as CaCO3 at pH 4.5)	1220	10.0	1	11/07/22	11/07/22	
Wet Chemistry by 9050A/2510B	uS/cm	uS/cm	Analys	t: KF		Batch: 2246023
Specific Conductance (@ 25 C)	59600	10.0	1	11/08/22	11/09/22	
Dissolved Metals by EPA 6010C	mg/L	mg/L	Analys	st: RKS		Batch: 2246004
Calcium	229	1.00	1	11/07/22	11/08/22	
Iron	2.06	2.00	1	11/07/22	11/08/22	
Magnesium	66.4	1.00	1	11/07/22	11/08/22	
Potassium	161	1.00	1	11/07/22	11/08/22	
Sodium	14300	200	100	11/07/22	11/09/22	
Sodium Absorption Ratio (CALC)	214		1	11/10/22	11/10/22	
Anions by EPA 300.0/9056A	mg/L	mg/L	Analys	st: KL		Batch: 2245061
Fluoride	ND	25.0	100	11/04/22	11/04/22	
Chloride	33300	200	100	11/04/22	11/04/22	
Nitrite-N	ND	25.0	100	11/04/22 15:30	11/04/22 17:05	
Nitrate-N	ND	25.0	100	11/04/22 15:30	11/04/22 17:05	
o-Phosphate-P	ND	25.0	100	11/04/22 15:30	11/04/22 17:05	
Sulfate	498	200	100	11/04/22	11/04/22	



Enduring Resources, LLC	Project Name:	W Lybrook WSW	Reported:
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	000 St → 2000 m (2000 m)
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/2022 5:14:14PM

Wet Chem/Gravimetric by SM2540C Analyst: RAS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes
Blank (2246036-BLK1)]	Prepared: 1	1/09/22 A	Analyzed: 11/10/22
	ND	10.0				1	Prepared: 1	1/09/22 A	Analyzed: 11/10/22
Fotal Dissolved Solids	ND	10.0							Analyzed: 11/10/22 Analyzed: 11/10/22
Blank (2246036-BLK1) Total Dissolved Solids LCS (2246036-BS1) Total Dissolved Solids	ND 101	10.0	100		101				
Total Dissolved Solids LCS (2246036-BS1)		CARDADAN CONTRACTOR	100		101	55-134	Prepared: 1	1/09/22 <i>E</i>	



Enduring Resources, LLC	Project Name:	W Lybrook WSW	Reported:
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/2022 5:14:14PM

Wet	Chemis	try by	9040C	/4500	H+B

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	Notes

LCS (2246028-BS1)				Prepared: 11	1/08/22 Analyzed: 11/09/22
pH	8.00	8.00	100 98.75	5-101.25	
Duplicate (2246028-DUP1)			Source: E211024-03	Prepared: 11	1/08/22 Analyzed: 11/09/22
рН	7.09		7.14	0.773	20



Enduring Resources, LLC	Project Name:	W Lybrook WSW	Reported:
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/2022 5:14:14PM

Wet Chemistry	by	SI	123	320B
---------------	----	----	-----	------

Ana	

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes

LCS (2246007-BS1)						Prepared: 11	1/07/22	Analyzed: 11/07/22
Total Alkalinity (as CaCO3 at pH 4.5)	288	10.0	250	115	70-130			
Duplicate (2246007-DUP1)				Source: E211019-0	1	Prepared: 11	1/07/22	Analyzed: 11/07/22
Total Alkalinity (as CaCO3 at pH 4.5)	154	10.0		152		1.31	20	



Specific Conductance (@ 25 C)

QC Summary Data

Enduring Resources, LLC	Project Name:	W Lybrook WSW	Reported:
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/2022 5:14:14PM

Wet Chemistry by 9050A/2510B									Analyst: KF	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	uS/cm	uS/cm	uS/cm	uS/cm	%	%	%	%	Notes	
Blank (2246023-BLK1)							Prepared: 1	1/08/22 Ana	llyzed: 11/09/22	
Diank (2240025-DERI)							r repaired. r	1,00,22 11110	11y2cu. 11/03/22	
	ND	10.0					Treputeur T	1700/22 11110	ny2ed. 11/03/22	
Specific Conductance (@ 25 C)	ND	10.0					•		alyzed: 11/09/22	
Specific Conductance (@ 25 C) LCS (2246023-BS1) Specific Conductance (@ 25 C)	ND 1420	10.0	1410		100	98-102	•			

59600

0.336

59400

10.0



Sodium

QC Summary Data

		20	12/2
Enduring Resources, LLC	Project Name:	W Lybrook WSW	Reported:
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	May • Anthonomy
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/2022 5:14:14PM

Centennial CO, 80111		Project Manager:	A	dam Kelly					11/10/2022 5:14:14PM
Dissolved Metals by EPA 6010C Analyst: RKS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPE Limi	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes
Blank (2246004-BLK1)							Prepared:	11/07/22	Analyzed: 11/08/22
Calcium	ND	1.00							
Iron	ND	2.00							
Magnesium	ND	1.00							
Potassium	ND	1.00							
Sodium	ND	2.00							
LCS (2246004-BS1)							Prepared:	11/07/22	Analyzed: 11/08/22
Calcium	47.3	1.00	50.0		94.5	80-120			
ron	91.7	2.00	100		91.7	80-120			
Magnesium	47.4	1.00	50.0		94.8	80-120			
Potassium	4.86	1.00	5.00		97.1	80-120			
Sodium	17.9	2.00	20.0		89.4	80-120			
Matrix Spike (2246004-MS1)				Source:	E211025-	03	Prepared:	11/07/22	Analyzed: 11/08/22
Calcium	170	1.00	50.0	129	82.4	75-125			
ron	303	2.00	100	242	61.3	75-125			M2
Magnesium	99.5	1.00	50.0	58.2	82.6	75-125			
Potassium	58.6	1.00	5.00	61.7	NR	75-125			M4
Sodium	65.8	2.00	20.0	47.6	90.7	75-125			
Matrix Spike Dup (2246004-MSD1)				Source:	E211025-	03	Prepared:	11/07/22	Analyzed: 11/08/22
Calcium	169	1.00	50.0	129	81.6	75-125	0.236	20	<u> </u>
Iron	302	2.00	100	242	60.3	75-125	0.330	20	M2
Magnesium	98.6	1.00	50.0	58.2	80.9	75-125	0.828	20	
Potassium	58.1	1.00	5.00	61.7	NR	75-125	0.788	20	M4

75-125

1.93

64.5

2.00



Enduring Resources, LLC	Project Name:	W Lybrook WSW	Reported:
6300 S Syracuse Way Suite 525	Project Number:	22025-0001	000 - 000000000000000000000000000000000
Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/2022 5:14:14PM

· · · · · · · · · · · · · · · · · · ·		1947C (94, C)		lent);					
		Anions	by EPA 3	00.0/9056 <i>A</i>	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes
Blank (2245061-BLK1)							Prepared:	11/04/22	Analyzed: 11/04/22
Fluoride	ND	0.250							
Chloride	ND	2.00							
Nitrite-N	ND	0.250							
Nitrate-N	ND	0.250							
o-Phosphate-P	ND	0.250							
Sulfate	ND	2.00							
LCS (2245061-BS1)							Prepared:	11/04/22	Analyzed: 11/07/22
Fluoride	2.59	0.250	2.50		104	90-110			
Chloride	24.5	2.00	25.0		97.9	90-110			
Nitrite-N	2.54	0.250	2.50		102	90-110			
Nitrate-N	2.58	0.250	2.50		103	90-110			
o-Phosphate-P	12.3	0.250	12.5		98.1	90-110			
Sulfate	24.3	2.00	25.0		97.0	90-110			
LCS Dup (2245061-BSD1)							Prepared:	11/04/22	Analyzed: 11/04/22
Fluoride	2.59	0.250	2.50		104	90-110	0.147	20	
Chloride	24.0	2.00	25.0		96.2	90-110	1.77	20	
Nitrite-N	2.53	0.250	2.50		101	90-110	0.485	20	
Nitrate-N	2.58	0.250	2.50		103	90-110	0.0969	20	
o-Phosphate-P	12.2	0.250	12.5		97.7	90-110	0.397	20	
0.10	22.0		25.0		05.5	00 110	1 (0	20	

25.0

2.00

95.5

90-110

23.9

QC Summary Report Comment:

Sulfate

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



20

1.60

Definitions and Notes

	Enduring Resources, LLC	Project Name:	W Lybrook WSW	
ı	6300 S Syracuse Way Suite 525	Project Number:	22025-0001	Reported:
ı	Centennial CO, 80111	Project Manager:	Adam Kelly	11/10/22 17:14

H5 pH is specified to be performed in the field within 15 minutes of sampling. The sample analysis was performed as quickly as possible.

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project	Info	orma	tion
---------	------	------	------

Chain of Custody

	ı			
Page	١	of	1	

Client:	ENDUR	ing			TT	Bij To	- r				Li	ab U	se Or	ily					TA	T		EPA P	rogram
Project N	W LYAR Nanager: A	dan K	EILG		A	Bill To ttention: (DEEDENG ddress: ity, State, Zip		NERRY	Lab E 2	wo:	03	sI.	Job 22	Num	ber 5-α	1000	1D	2D	3D	St	andard	CWA	SDWA
Address: City, Stat Phone:					1 1	ity, State, Zip hone: 505 - 860 - 6 mail:	100		ı				Analy						\exists				RCRA
Email: Aq Report d	ue by:	7 O CK	eide	100 - E	COM COM	ngii:			tO by 8015	GRO/DRO by 8015	8021	8260	010	300.0	A						NM CO	State UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample I	D			Lab Number	DRO/ORO by	GRO/DR	8TEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	PKC	,						Remarks	
11:00	4/4/22	A		Wa	ter Sup	dy Will									X					\neg			
	,							1															
																							_
								J			_									\Box			
									_		\dashv	_			4		_	_	_	\dashv			
									_	_	4			_	_		\perp	_	4	_			
								<u> </u>	_	_	4	_	_	_	_	_	_	_	\downarrow	\dashv			
Addition	al Instruction	ns:						i i											\perp	\perp			
I, (field samp	ler), attest to the	validity and a	uthenticity	of this samp	le. I am aware the	at tampering with or intentionally mid-	belling	hekample lo	ation,												ice the day the		l or received
Relinquishe	d by: (Signature	<u>L</u>	Date //	14/22	Time 1:20	Received by: (Signature)	À	11/4/2	2	SIII	:2	_	Recei					o Use N			and garett trays		
	d by: (Signature		Date		Time	Received by: (Signature)		Date		Time			T1	30	Ĺ	_ 1	r2 2	<u>ळ</u>	L	_ J	3C	۵.۵	
						(Signature)							AVG										
	x: S - Soil, Sd - So les are discarde					arrangements are made. Harrard		Container	Type:	g - g	ass, p	- po	ly/pla	stic, a	ng - ar	mber	glass	, v - V	OA				
samples is a	pplicable only t	o those sam	ples receiv	ed by the	laboratory with	arrangements are made. Hazardo this COC. The liability of the labora	tory is I	imited to the	eturn e amo	ed to o	id for	or dis	posed ne repo	of at ort.	the cl	lent e	xpens	e. Th	е геро	rt for	the analysi	s of the ab	ove

C envirotech

Printed: 11/4/2022 3:31:44PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Enduring Resources, LLC	Date Received:	11/04/22	13:24		Work Order ID:	E211031
Phone:	(303) 573-1222	Date Logged In:	11/04/22	14:26		Logged In By:	Alexa Michaels
Email:	csnell@EnduringResources.com	Due Date:	11/11/22	17:00 (5 day TAT)			
Market 147 17							
Chain of	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location ma	tch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: Ker	ny Wood		
	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes			Commen	ts/Resolution
Sample '	Turn Around Time (TAT)						
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (Cooler						
7. Was a	sample cooler received?		No				
8. If yes,	was cooler received in good condition?		NA				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C.	ie 6°+2°C					
12. Was u	Note: Thermal preservation is not required, if samples ar minutes of sampling		No				
13. If no	visible ice, record the temperature.	e temperature: 30).1°C				
Sample (<u>Container</u>						
14. Are a	aqueous VOC samples present?		No				
15. Are V	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La	bel						
***************************************	e field sample labels filled out with the minimum info	ormation:					
	Sample ID?		Yes				
	Date/Time Collected?		No				
(Collectors name?		No				
Janu	Preservation						
	the COC or field labels indicate the samples were p	reserved?	No				
	sample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved n	netals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laborate	orv?	No				
	a subcontract laboratory specified by the client and i	75	NA	Subcontract Lab: N	NA		
Client I	nstruction						
	s						
							10
2					77		- (3)
Signa	ture of client authorizing changes to the COC or sample dis	sposition.			Date		envirotech

Signature of client authorizing changes to the COC or sample disposition.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 346092

CONDITIONS

Operator:	OGRID:
NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE	264235
1220 S St Francis Dr	Action Number:
Santa Fe , NM 87504	346092
	Action Type:
	[IM-SD] Well File Support Doc (ENG) (IM-AWF)

CONDITIONS

Created B	y Condition	Condition Date
pgoetze	None	5/20/2024