



2301 North Yellowwood Avenue
Broken Arrow, Oklahoma 74012
TEL: 918-957-1300
FAX: 918-957-1313
ee-associates.com

August 20, 2025

Ms. Hillary Young, P.E.
Chief Engineer
Land Protection Division
Oklahoma Department of Environmental Quality
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

RE: Permit Renewal: Class I Injection Well Quarterly Report, Second Quarter 2025
Real Alloy Recycling, LLC.
Creek County, Oklahoma
UIC Permit No. IW-NH-3519019-R1

Dear Ms. Young:

Real Alloy Recycling, LLC (Real Alloy) is in receipt of your letter dated August 18, 2025 regarding the June 2025 analytical results for chloride in the deep monitor well. The deep monitor well and the injectate were sampled on July 30, 2025 for the July monthly monitoring event. Chloride concentrations in the deep monitor well were detected at 26.1 mg/L in July which is consistent with historical ranges. The laboratory analytical report is attached for your review.

If you should have any questions or require any further information, please do not hesitate to contact me at 918-957-1300.

Respectfully,
E&E Engineering and Associates, LLC.

A handwritten signature in black ink, reading "Deren M. Ertugrul".

Deren M. Ertugrul, P.E.
Vice President

Attachment

cc: Ms. Brigitte Haley, DEQ (via email)
Mr. Robert Wallace, Real Alloy (via email)
Mr. Chuck Sudwischer, Real Alloy (via email)
Ms. Jennifer Zavoda, Real Alloy (via email)

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



August 08, 2025

Deren Ertugrul
E&E Engineering and Associates
2301 N. Yellowwood Ave.
Broken Arrow, OK 74012
TEL: (918) 957-1300
FAX

RE: Real Alloy Sapulpa, OK

Order No.: 2507574

Dear Deren Ertugrul:

Green Country Testing, Inc. received 2 sample(s) on 7/30/2025 for the analyses presented in the following report.

In accordance with your instructions, Green Country Testing conducted the analysis shown on the following pages on samples submitted by your company. The results relate only to the items tested. Unless otherwise noted, all analysis were conducted using EPA approved methodologies. Test reports meet all the NELAC requirements. All relevant sampling information is on the attached chain-of-custody form. The initials SUB as the analyst designate any testing sub-contracted by Green Country Testing.

Certifications/Accreditation: OK - 7604; 9953 - AR - ADEQ - KS - E-10232

A scope of Certified/Accredited parameters is available upon request. If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Duzan", with a stylized flourish at the end.

Brian Duzan
Laboratory Director

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com



Analytical Report

(continuous)

WO#: 2507574

Date Reported: 8/8/2025

CLIENT: E&E Engineering and Associates

Lab Order: 2507574

Project: Real Alloy Sapulpa, OK

Lab ID: 2507574-001

Collection Date: 7/30/2025 11:10:00 AM

Client Sample ID: Deepwell

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CHLORIDE IN WATER				4500CL-E, 2011		Analyst: BG
Chloride	26.1	5.00		mg/L	1	8/6/2025 10:57:00 AM
AMMONIA AS N				4500 NH3 H-201		Analyst: BG
NH3	0.397	0.100		mg/L	1	8/5/2025 12:52:00 PM
NITRATE AS N IN WATER				4500 NO3 F-201		Analyst: BG
Nitrate as N	< 0.400	0.400		mg/L	1	7/31/2025 1:31:00 PM
SULFATE IN WATER				4500SO4-E,2011		Analyst: BG
SO4	152	5.00		mg/L	1	8/7/2025 9:45:00 AM
METALS IN WATER BY ICP, TOTAL				SW6010B	SW3010A	Analyst: KR
Iron	1.97	0.0500		mg/L	1	8/7/2025 3:41:31 AM
Magnesium	1.42	0.0500		mg/L	1	8/7/2025 3:41:31 AM
Nickel	< 0.0100	0.0100		mg/L	1	8/7/2025 3:41:31 AM
METALS IN WATER BY ICP, TOTAL				SW6010B	SW3010A	Analyst: KR
Cadmium	< 0.00100	0.00100		mg/L	1	8/7/2025 3:41:31 AM
Lead	< 0.00500	0.00500		mg/L	1	8/7/2025 3:41:31 AM
SPECIFIC CONDUCTANCE				E120.1, 1982		Analyst: EJA
Specific Conductivity	1,020	1.00		µmhos/cm@25C	1	8/1/2025 10:40:00 AM
PH				4500H+B,2011		Analyst: EJA
pH	8.49	0.100	H	pH Units	1	8/1/2025 10:30:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

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Analytical Report

(continuous)

WO#: 2507574

Date Reported: 8/8/2025

CLIENT: E&E Engineering and Associates

Lab Order: 2507574

Project: Real Alloy Sapulpa, OK

SPECIFIC GRAVITY - N

ASTM-D1429

Analyst: AC

Specific Gravity	0.9972	0.01000	g/cc @ 4°C	1	8/4/2025 11:33:00 AM
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TOTAL SUSPENDED SOLIDS

A2540 D-2015

Analyst: EJA

Suspended Solids (Residue, Non-Filterable)	30	5	mg/L	1	8/4/2025 11:01:00 AM
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Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

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Analytical Report

(continuous)

WO#: 2507574

Date Reported: 8/8/2025

CLIENT: E&E Engineering and Associates

Lab Order: 2507574

Project: Real Alloy Sapulpa, OK

Lab ID: 2507574-002

Collection Date: 7/30/2025 11:43:00 AM

Client Sample ID: Injectate / Retention Pond

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
CHLORIDE IN WATER				4500CL-E, 2011		Analyst: BG
Chloride	21,400	5,000		mg/L	1000	8/6/2025 10:57:00 AM
AMMONIA AS N				4500 NH3 H-201		Analyst: BG
NH3	596	10.0		mg/L	100	8/5/2025 12:52:00 PM
NITRATE AS N IN WATER				4500 NO3 F-201		Analyst: BG
Nitrate as N	30.3	4.00		mg/L	10	7/31/2025 1:31:00 PM
SULFATE IN WATER				4500SO4-E,2011		Analyst: BG
SO4	486	50.0		mg/L	10	8/7/2025 9:45:00 AM
METALS IN WATER BY ICP, TOTAL				SW6010B	SW3010A	Analyst: KR
Iron	0.0524	0.0500		mg/L	1	8/7/2025 4:14:08 AM
Magnesium	69.7	0.0500		mg/L	1	8/7/2025 4:14:08 AM
Nickel	< 0.0100	0.0100		mg/L	1	8/7/2025 4:14:08 AM
METALS IN WATER BY ICP, TOTAL				SW6010B	SW3010A	Analyst: KR
Cadmium	0.00706	0.00100		mg/L	1	8/7/2025 4:14:08 AM
Lead	< 0.00500	0.00500		mg/L	1	8/7/2025 4:14:08 AM
SPECIFIC CONDUCTANCE				E120.1, 1982		Analyst: EJA
Specific Conductivity	85,100	100		µmhos/cm@25C	100	8/1/2025 10:40:00 AM
PH				4500H+B,2011		Analyst: EJA
pH	8.23	0.100	H	pH Units	1	8/1/2025 10:30:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit

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Analytical Report

(continuous)

WO#: 2507574

Date Reported: 8/8/2025

CLIENT: E&E Engineering and Associates

Lab Order: 2507574

Project: Real Alloy Sapulpa, OK

SPECIFIC GRAVITY - N

ASTM-D1429

Analyst: AC

Specific Gravity	1.035	0.01000	g/cc @ 4°C	1	8/4/2025 11:33:00 AM
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TOTAL SUSPENDED SOLIDS

A2540 D-2015

Analyst: EJA

Suspended Solids (Residue, Non-Filterable)	184	5	mg/L	1	8/4/2025 11:01:00 AM
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Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
PL	Permit Limit
RL	Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: 4500CI-E, 2011

Sample ID	MB-R75618	SampType:	MBLK	TestCode:	CHLOR	Units:	mg/L	Prep Date:		RunNo:	75618
Client ID:	PBW	Batch ID:	R75618	TestNo:	4500CI-E, 20			Analysis Date:	8/6/2025	SeqNo:	859296
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chloride		< 5.00		5.00							

Sample ID	LCS-R75618	SampType:	LCS	TestCode:	CHLOR	Units:	mg/L	Prep Date:		RunNo:	75618
Client ID:	LCSW	Batch ID:	R75618	TestNo:	4500CI-E, 20			Analysis Date:	8/6/2025	SeqNo:	859297
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chloride		106		5.00	100.0	0	106	80	120		

Sample ID	2507563-001AMS	SampType:	MS	TestCode:	CHLOR	Units:	mg/L	Prep Date:		RunNo:	75618
Client ID:	BatchQC	Batch ID:	R75618	TestNo:	4500CI-E, 20			Analysis Date:	8/6/2025	SeqNo:	859299
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chloride		4x		500	120.0	13,270	-7,690	29.3	160		S

Sample ID	2507563-001AMSD	SampType:	MSD	TestCode:	CHLOR	Units:	mg/L	Prep Date:		RunNo:	75618
Client ID:	BatchQC	Batch ID:	R75618	TestNo:	4500CI-E, 20			Analysis Date:	8/6/2025	SeqNo:	859300
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Chloride		4x		500	120.0	13,270	-7,790	29.3	160	4,044	3.03 7.87 S

Qualifiers: H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: 4500H+B,2011

Sample ID	LCS-R75518	SampType:	LCS	TestCode:	PH	Units:	pH Units	Prep Date:		RunNo:	75518
Client ID:	LCSW	Batch ID:	R75518	TestNo:	4500H+B,201			Analysis Date:	8/1/2025	SeqNo:	858213
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

pH 6.02 0.100 6.000 0 100 80 120

Sample ID	2507538-001ADUP	SampType:	DUP	TestCode:	PH	Units:	pH Units	Prep Date:		RunNo:	75518
Client ID:	BatchQC	Batch ID:	R75518	TestNo:	4500H+B,201			Analysis Date:	8/1/2025	SeqNo:	858215
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

pH 7.00 0.100 7.020 0.285 1.03 H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
PL	Permit Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode

ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: 4500SO4-E,2011

Sample ID	MB-R75621	SampType:	MBLK	TestCode:	SO4	Units:	mg/L	Prep Date:		RunNo:	75621			
Client ID:	PBW	Batch ID:	R75621	TestNo:	4500SO4-E,2			Analysis Date:	8/7/2025	SeqNo:	859332			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
SO4		< 5.00		5.00										

Sample ID	LCS-R75621	SampType:	LCS	TestCode:	SO4	Units:	mg/L	Prep Date:		RunNo:	75621			
Client ID:	LCSW	Batch ID:	R75621	TestNo:	4500SO4-E,2			Analysis Date:	8/7/2025	SeqNo:	859333			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
SO4		113		5.00	100.0	0		113	80	120				

Sample ID	2507543-001AMS	SampType:	MS	TestCode:	SO4	Units:	mg/L	Prep Date:		RunNo:	75621			
Client ID:	BatchQC	Batch ID:	R75621	TestNo:	4500SO4-E,2			Analysis Date:	8/7/2025	SeqNo:	859335			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
SO4		258		5.00	120.0	175.2		68.7	32.3	153				

Sample ID	2507543-001AMSD	SampType:	MSD	TestCode:	SO4	Units:	mg/L	Prep Date:		RunNo:	75621			
Client ID:	BatchQC	Batch ID:	R75621	TestNo:	4500SO4-E,2			Analysis Date:	8/7/2025	SeqNo:	859336			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
SO4		258		5.00	120.0	175.2		68.9	32.3	153	257.6	0.104	6.56	

Qualifiers: H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: A2540 D-2015

Sample ID	MB-R75551	SampType:	MBLK	TestCode:	TSS	Units:	mg/L	Prep Date:		RunNo:	75551		
Client ID:	PBW	Batch ID:	R75551	TestNo:	A2540 D-2015			Analysis Date:	8/4/2025	SeqNo:	858777		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filterable)

< 5 5

Sample ID	LCS-R75551	SampType: LCS	TestCode: TSS	Units: mg/L	Prep Date:	RunNo: 75551					
Client ID:	LCSW	Batch ID: R75551	TestNo: A2540 D-2015	Analysis Date: 8/4/2025	SeqNo: 858778						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filterable)

39 5 40 0 98 80 120

Sample ID	2507580-002ADUP	SampType:	DUP	TestCode:	TSS	Units:	mg/L	Prep Date:		RunNo:	75551		
Client ID:	BatchQC	Batch ID:	R75551	TestNo:	A2540 D-2015			Analysis Date:	8/4/2025	SeqNo:	858781		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filterable)

24 5 24 0 5

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
PL	Permit Limit	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode

ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit

Original
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QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: A4500 NH3 H-2011

Sample ID	MB-R75587	SampType:	MBLK	TestCode:	NH3	Units:	mg/L	Prep Date:		RunNo:	75587			
Client ID:	PBW	Batch ID:	R75587	TestNo:	A4500 NH3 H			Analysis Date:	8/5/2025	SeqNo:	858948			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3		< 0.100		0.100										

Sample ID	LCS-R75587	SampType:	LCS	TestCode:	NH3	Units:	mg/L	Prep Date:		RunNo:	75587			
Client ID:	LCSW	Batch ID:	R75587	TestNo:	A4500 NH3 H			Analysis Date:	8/5/2025	SeqNo:	858949			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3		3.03		0.100	3.160	0		95.9	80	120				

Sample ID	2507541-001AMS	SampType:	MS	TestCode:	NH3	Units:	mg/L	Prep Date:		RunNo:	75587	
Client ID:	BatchQC	Batch ID:	R75587	TestNo:	A4500 NH3 H			Analysis Date:	8/5/2025	SeqNo:	858952	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3		10.5	0.100	10.00	0.4600	101	73.3	121				

Sample ID	2507541-001AMSD	SampType:	MSD	TestCode:	NH3	Units:	mg/L	Prep Date:		RunNo:	75587			
Client ID:	BatchQC	Batch ID:	R75587	TestNo:	A4500 NH3 H			Analysis Date:	8/5/2025	SeqNo:	858953			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
NH3		10.6		0.100	10.00	0.4600		101	73.3	121	10.52	0.389	8.47	

Qualifiers: H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: A4500 NO3 F-2011

Sample ID	MB-R75515	SampType:	MBLK	TestCode:	NO3	Units:	mg/L	Prep Date:		RunNo:	75515		
Client ID:	PBW	Batch ID:	R75515	TestNo:	A4500 NO3 F			Analysis Date:	7/31/2025	SeqNo:	858159		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Nitrate as N < 0.400 0.400

Sample ID	LCS-R75515	SampType:	LCS	TestCode:	NO3	Units:	mg/L	Prep Date:		RunNo:	75515		
Client ID:	LCSW	Batch ID:	R75515	TestNo:	A4500 NO3 F			Analysis Date:	7/31/2025	SeqNo:	858160		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Nitrate as N 4.11 0.400 4.150 0 99.0 90 110

Sample ID	2507574-001AMS	SampType:	MS	TestCode:	NO3	Units:	mg/L	Prep Date:		RunNo:	75515		
Client ID:	Deepwell	Batch ID:	R75515	TestNo:	A4500 NO3 F			Analysis Date:	7/31/2025	SeqNo:	858163		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Nitrate as N 9.45 0.400 8.000 0 118 65.4 154

Sample ID	2507574-001AMSD	SampType:	MSD	TestCode:	NO3	Units:	mg/L	Prep Date:		RunNo:	75515		
Client ID:	Deepwell	Batch ID:	R75515	TestNo:	A4500 NO3 F			Analysis Date:	7/31/2025	SeqNo:	858164		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Nitrate as N 9.46 0.400 8.000 0 118 65.4 154 9.452 0.137 89.4

Qualifiers: H Holding times for preparation or analysis exceeded
PL Permit Limit
S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
R RPD outside accepted recovery limits
W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: ASTM-D1429

Sample ID	2507574-001ADUP	SampType:	DUP	TestCode:	SP_GR	Units:	g/cc @ 4°C	Prep Date:		RunNo:	75552	
Client ID:	Deepwell	Batch ID:	R75552	TestNo:	ASTM-D1429			Analysis Date:	8/4/2025	SeqNo:	858560	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity		0.9972	0.01000						0.9972	0	0.723	

Qualifiers:

H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates**Project:** Real Alloy Sapulpa, OK**TestNo:** E120.1, 1982

Sample ID	LCS-R75517	SampType:	LCS	TestCode:	COND	Units:	µmhos/cm@2	Prep Date:		RunNo:	75517
Client ID:	LCSW	Batch ID:	R75517	TestNo:	E120.1, 1982			Analysis Date:	8/1/2025	SeqNo:	858206
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	
Specific Conductivity		101		1.00		100.0		0		101	
										80	
										120	

Sample ID	2507574-001ADUP	SampType:	DUP	TestCode:	COND	Units:	µmhos/cm@2	Prep Date:		RunNo:	75517
Client ID:	Deepwell	Batch ID:	R75517	TestNo:	E120.1, 1982			Analysis Date:	8/1/2025	SeqNo:	858208
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	
Specific Conductivity		1,020		1.00							
										1,018	
										0.196	
										7.95	

Qualifiers:

H Holding times for preparation or analysis exceeded

PL Permit Limit

S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: SW6010B

Sample ID	2508015-016AMS	SampType: MS	TestCode: MET_TCLP	Units: mg/L	Prep Date: 8/6/2025	RunNo: 75625					
Client ID:	BatchQC	Batch ID: 23008	TestNo: SW6010B	SW3010A	Analysis Date: 8/7/2025	SeqNo: 859413					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium

1.93

0.100

2.000

0

96.7

88

107

Lead

1.89

0.0500

2.000

0

94.6

90.5

105

Sample ID	2508015-017AMS	SampType: MS	TestCode: MET_TCLP	Units: mg/L	Prep Date: 8/6/2025	RunNo: 75625					
Client ID:	BatchQC	Batch ID: 23008	TestNo: SW6010B	SW3010A	Analysis Date: 8/7/2025	SeqNo: 859415					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium

1.90

0.100

2.000

0

95.0

88

107

Lead

1.86

0.0500

2.000

0

92.9

90.5

105

Sample ID	2508027-001AMS	SampType: MS	TestCode: MET_TCLP	Units: mg/L	Prep Date: 8/6/2025	RunNo: 75625					
Client ID:	BatchQC	Batch ID: 23008	TestNo: SW6010B	SW3010A	Analysis Date: 8/7/2025	SeqNo: 859429					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium

2.04

0.100

2.000

0

102

88

107

Lead

1.97

0.0500

2.000

0

98.3

90.5

105

Qualifiers:

H Holding times for preparation or analysis exceeded

PL Permit Limit

S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Original

Page 14 of 16



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates

Project: Real Alloy Sapulpa, OK

TestNo: SW6010B

Sample ID	2508047-001AMS	SampType:	MS	TestCode:	MET Water 6	Units:	mg/L	Prep Date:	8/6/2025	RunNo:	75625
Client ID:	BatchQC	Batch ID:	23008	TestNo:	SW6010B	SW3010A		Analysis Date:	8/7/2025	SeqNo:	859403
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.01	0.00100	2.000	0	100	91.5	111				
Iron	3.39	0.0500	2.000	1.349	102	84.6	115				
Lead	1.97	0.00500	2.000	0	98.5	90.2	109				
Magnesium	15.8	0.0500	2.000	13.90	94.0	63.4	139				
Nickel	1.98	0.0100	2.000	0	99.2	92.7	109				

Sample ID	2508047-001AMSD	SampType:	MSD	TestCode:	MET Water 6	Units:	mg/L	Prep Date:	8/6/2025	RunNo:	75625
Client ID:	BatchQC	Batch ID:	23008	TestNo:	SW6010B	SW3010A		Analysis Date:	8/7/2025	SeqNo:	859404
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.01	0.00100	2.000	0	101	91.5	111	2.009	0.149	3.71	
Iron	3.40	0.0500	2.000	1.349	102	84.6	115	3.391	0.118	5.37	
Lead	1.97	0.00500	2.000	0	98.3	90.2	109	1.970	0.203	4.72	
Magnesium	15.8	0.0500	2.000	13.90	94.0	63.4	139	15.78	0	3.58	
Nickel	1.99	0.0100	2.000	0	99.6	92.7	109	1.984	0.402	3.53	

Sample ID	MB-23008	SampType:	MBLK	TestCode:	MET Water 6	Units:	mg/L	Prep Date:	8/6/2025	RunNo:	75625
Client ID:	PBW	Batch ID:	23008	TestNo:	SW6010B	SW3010A		Analysis Date:	8/7/2025	SeqNo:	859408
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	< 0.00100	0.00100									
Iron	< 0.0500	0.0500									
Lead	< 0.00500	0.00500									

Qualifiers: H Holding times for preparation or analysis exceeded
 PL Permit Limit
 S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response
 R RPD outside accepted recovery limits
 W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit



QC SUMMARY REPORT

WO#: 2507574

08-Aug-25

Client: E&E Engineering and Associates**Project:** Real Alloy Sapulpa, OK**TestNo:** SW6010B

Sample ID	MB-23008	SampType:	MBLK	TestCode:	MET Water 6	Units:	mg/L	Prep Date:	8/6/2025	RunNo:	75625
Client ID:	PBW	Batch ID:	23008	TestNo:	SW6010B	SW3010A		Analysis Date:	8/7/2025	SeqNo:	859408
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	< 0.0500	0.0500									
Nickel	< 0.0100	0.0100									

Sample ID	LCS-23008	SampType:	LCS	TestCode:	MET Water 6	Units:	mg/L	Prep Date:	8/6/2025	RunNo:	75625
Client ID:	LCSW	Batch ID:	23008	TestNo:	SW6010B	SW3010A		Analysis Date:	8/7/2025	SeqNo:	859409
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.01	0.00100	2.000	0	100	80	120				
Iron	2.02	0.0500	2.000	0	101	80	120				
Lead	2.07	0.00500	2.000	0	103	80	120				
Magnesium	2.04	0.0500	2.000	0	102	80	120				
Nickel	2.03	0.0100	2.000	0	101	80	120				

Qualifiers:

H Holding times for preparation or analysis exceeded

PL Permit Limit

S Spike Recovery outside accepted recovery limits

M Manual Integration used to determine area response

R RPD outside accepted recovery limits

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit



Green Country
TESTING

Chain of Custody Record

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
OF PAGES

Laboratory
Number:

2507574

Client Information:		Billing Information:		PO Number:	Project Name/Number:	Page 1 of 1 Turn Time ☒ Standard ☐ 1 Day ☐ 2 Day ☐ Other (Rush turn times will incur a surcharge and must be pre-approved by lab.)
Company Name:	E&E Engineering and Associates	Same			Real Alloy Sapulpa, OK UIC / 104-044-02	
Contact Name:	Deren Ertugrul			Quote Number:		
Address:	2301 N. Yellowood Ave.			Required QC Level:	Sampler's Signature:	
City, State, Zip:	Broken Arrow, OK 74012			Bill Monthly ☒ Yes ☐ No	Shipping Method: Hand-Delivered	
Phone Number:	(918) 957-1300 Ext:	Ext:				
Fax Number:	(918) 957-1313					
Email Address:	deren@ee-associates.com					

Which Regulations Apply:				Matrix Code:		SO = Soil		Container		Pres	Requested Tests								Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
☐ RCRA	☐ Drinking Water	☐ POTW	☐ Distribution	☐ NPDES	☐ Special	☐ USDA/FDA	☐ State	☐ RECAP/RISC	☒ Other	AQ = Aqueous	DW = Drinking	WW = Waste	MW = Monit. Well	LQ = Liquid	O = Oil	SL = Sludge	F = Food	SW = Swab	SOL = Solid																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

	Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
1		7/30/15 12:59		7:30 25 12:59	
2					
3					
4					Received on ice? ☒ Yes ☐ No Temp: 14°C

All samples submitted to Green Country Testing for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples.

Green Country Testing reserves the right to return unused sample portions.

Green Country Testing
6825 East 38th Street • Tulsa, OK 74145
(918) 828-9977 • Fax (918) 828-7756