APPENDIX C

QUARTERLY UNDERGROUND INJECTION CONTROL (UIC) REPORT

FOR

MID-WAY CLASS I WELL - 2ND QUARTER 2024

A & M Engineering and
Environmental Services, Inc.
Consulting - Design - Construction - Remediation

AUGUST 1, 2024

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

RE: Mid-Way Environmental Services, Inc.
Non-Hazardous Waste Injection Well
Permit No. IW-NH-41001-OP
2nd Quarter 2024 UIC Report

Dear Ms. Young:

In accordance with the above referenced Operating Permit, and on behalf of our Client Mid-Way Environmental Services, Inc. (MES), A & M Engineering and Environmental Services, Inc. (A & M) is hereby submitting the 2nd Quarter 2024 Underground Injection Control (UIC) Report. Information contained in this report is for the entire period of April 1, 2024, through June 30, 2024.

If you have any questions on this matter, or if you require any additional information, please do not hesitate to call.

Sincerely,
A & M Engineering and Environmental Services, Inc.

Orphius Mohammad, PhD, P.E.
Senior Environmental Engineer

Cc: Tolga Ertugrul, P.E., President, MES

MID-WAY ENVIRONMENTAL SERVICES, INC.

CLASS I NON-HAZARDOUS WASTE INJECTION WELL
MES #1
PERMIT NO. IW-NH-41001-OP
2ND QUARTER 2024 REPORT

PREPARED FOR:
MID-WAY ENVIRONMENTAL SERVICES, INC.
120 NORTH 8TH AVENUE
STROUD, OKLAHOMA 74079

JULY 2024

PREPARED BY:
A & M ENGINEERING AND ENVIRONMENTAL SERVICES, INC.
10010 EAST 16TH STREET
TULSA, OKLAHOMA 74128-4813
PHONE (918)-665-6575 & FAX (918)-665-6576
EMAIL: aandm@aandmengineering.com

A & M Engineering and
Environmental Services, Inc.
Consulting - Design - Construction - Remediation

MID-WAY
ENVIRONMENTAL SERVICES, INC.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

BY:

Tolga Ertugrul, P.E., President, MES

_____(Signature)

8/1/2024 (Date)

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1706002

Appendices

INTRODUCTION

On August 11, 2014, the Oklahoma Department of Environmental Quality (DEQ) issued a permit to operate a Class 1, Non-hazardous Waste Injection Well to Mid-Way Environmental Services, Inc. (MES). In accordance with the Operating Permit for the injection of Non-Hazardous Waste, Mid-Way Environmental Services, Inc. (MES) is required to operate the facility in compliance with the terms and conditions of the permit, the provisions of the Code, OAC 252:652 (effective July 1, 1998), the Safe Drinking Water Act, 40 CFR Parts 144 and 146, and with the approved permit application.

Compliance with the Permit requires MES to submit quarterly reports containing the following:

a. The monthly laboratory analysis of physical, chemical and other relevant characteristics of the injectate as described in the permit.
b. The monthly average, maximum and minimum values for injection pressure and corresponding specific gravity, flow rate, volume, and annular pressure.
c. The results of the monthly groundwater monitoring as described in the permit.
d. The results of any solids or sludge testing, if conducted, as described in the permit and records of final disposition of those wastes.
e. All recorded seismic activity in accordance with the Seismic Contingency Plan for the facility.

This report presents the required information for the second (2^{nd}) quarter of 2024.

INJECTATE CHARACTERISTICS

In accordance with the Operating Permit, injectate samples were collected on a monthly basis and forwarded under appropriate chain-of-custody documentation to Green Country Testing, Inc. for analyses. The samples were analyzed for pH, specific gravity, specific conductance, total dissolved solids, total suspended solids, and total organic carbon. The results of analysis of the injectate samples are provided in **Appendix A**.

INJECTION WELL OPERATING CONDITIONS

As required, MES continuously monitors the flow rate, injection pressure, annulus pressure, specific gravity, pH and temperature during operations and compiles the information monthly on the DEQ Injection Well Monthly Report Form (Form 600). Completed Forms 600 for the period of April 1, 2024, through June 30, 2024, are included for review (see **Appendix B**).

GROUNDWATER MONITORING

During the fourth quarter of 2014, MES initiated groundwater monitoring activities from one (1) deep monitoring well and five (5) shallow monitoring wells previously installed at the facility. The current facility Groundwater and Sampling Analysis Plan, dated September 20, 2019, describes sampling of all six wells monthly. The shallow monitoring wells were designed to monitor the lowermost underground Source of Drinking Water (USDW). During the current quarter, representative groundwater samples were collected from the wells and analyzed for the required parameters. In accordance with the facility Operating Permit, the required deep monitoring well parameters include pH, Specific Conductance, Specific Gravity, Total Dissolved Solids, and Total Organic Carbon.

Static water level measurements were recorded prior to acquisition of samples. Results of groundwater static water level measurements and analyses conducted this quarter on groundwater from monitoring well DMW-2 are included for review (see **Appendix C**). Monitoring of the deep well will continue to be conducted monthly with the results of

groundwater static water level measurements and analyses reported to DEQ on a quarterly basis.

The results of the laboratory analyses of samples from the shallow monitoring wells show similar concentrations in the downgradient wells (MW-1, MW-3, MW-4, MW-5) and in the upgradient well (MW-2) throughout the three-monthly events and were in general agreement with the observed historical concentration levels. A summary of the analytical results for this sampling event is presented in **Table 1** of **Appendix C**.

SOLIDS DISPOSAL/SLUDGE TESTING

Solid materials or sludge may be produced by, or result from, pre-treatment, filtering, or storage of fluids to be injected. Upon the generation of any solid material or sludge to be disposed, and prior to disposal, MES will test the solid materials or sludge generated to determine if they exhibit any characteristics of hazardous waste. Laboratory analysis of solids generated at MES and used for profiling/waste acceptance at the Landfill is presented in **Appendix D**. During the 2nd quarter of 2024, MES generated 13.48 tons of non-hazardous filter cake solids which were ultimately disposed off-site at Center Point. MES also generated 112.48 tons of non-hazardous solids from cleaning of Wastewater Storage Basin which were ultimately disposed off-site at American Environmental Landfill, LLC. (AEL). Copies of weight tickets and manifests for the solids sent to the landfills are also presented in **Appendix D**.

RECORDED SEISMIC ACTIVITY

Based on seismic data obtained and reviewed through the United States Geological Survey (USGS) Earthquake Notification Center and the Oklahoma Geological Survey (OGS), there have been:

__0__ earthquakes within a 3 mile radius of the MES #1 Injection Well; and

__3__ earthquakes within a 10 mile radius of the MES #1 Injection Well

The earthquake data period of review for the 2nd quarter includes April 1, 2024, through June 30, 2024. The nearest earthquake during this period was at 8.41 miles. The highest magnitude during this period was 1.94 ml in Richter Scale.

APPENDIX A

INJECTATE CHARACTERISTICS

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

April 18, 2024

Ed Van Schaik
A & M Engineering
10010 E. 16th St.
Tulsa, OK 74128-4813
TEL:
FAX:

RE: Midway Monthly- Inj

Order No.: 2404232

Dear Ed Van Schaik:

Green Country Testing, Inc. received 1 sample(s) on 4/11/2024 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,

Brian Duzan
Laboratory Director

CC:
Monty Bruner

Original

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#: **2404232**

Date Reported: **4/18/2024**

CLIENT: A & M Engineering **Lab Order:** 2404232

Project: Midway Monthly- Inj

Lab ID: 2404232-001 **Collection Date:** 4/10/2024 11:00:00 AM

Client Sample ID: Injectate **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	33,200	100		µmhos/cm	100	4/15/2024 4:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	6.65	0.100	H	pH Units	1	4/12/2024 3:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	1.008	0.01000		g/cc @ 4°C	1	4/12/2024 2:50:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	26,800	10		mg/L	1	4/16/2024 11:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	30,500	3,000		mg/L	1000	4/12/2024 7:53:00 AM
TOTAL SUSPENDED SOLIDS				**A2540 D-2015**		Analyst: **DW**
Suspended Solids (Residue, Non-Filterable)	1,290	17		mg/L	3.33333	4/16/2024 11:30:00 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

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

QC SUMMARY REPORT

WO#: **2404232**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **4500H+B,2011**

Sample ID: **LCS-R68066** SampType: **LCS** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68066**
Client ID: **LCSW** Batch ID: **R68066** TestNo: **4500H+B,201** Analysis Date: **4/12/2024** SeqNo: **765148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.91	0.100	9.000	0	99.0	80	120				

Sample ID: **2404044-001ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68066**
Client ID: **BatchQC** Batch ID: **R68066** TestNo: **4500H+B,201** Analysis Date: **4/12/2024** SeqNo: **765150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.30	0.100						6.310	0.159	0.546	H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Green Country Testing, Inc.
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Website: www.greencountrytesting.com

QC SUMMARY REPORT

WO#: **2404232**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A2540 C-2015**

Sample ID: **MB-R68105** SampType: **MBLK** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68105**
Client ID: **PBW** Batch ID: **R68105** TestNo: **A2540 C-2015** Analysis Date: **4/16/2024** SeqNo: **766296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	< 10	10									

Sample ID: **LCS-R68105** SampType: **LCS** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68105**
Client ID: **LCSW** Batch ID: **R68105** TestNo: **A2540 C-2015** Analysis Date: **4/16/2024** SeqNo: **766297**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,020	10	1,000	0	102	80	120				

Sample ID: **2404239-002ADUP** SampType: **DUP** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68105**
Client ID: **BatchQC** Batch ID: **R68105** TestNo: **A2540 C-2015** Analysis Date: **4/16/2024** SeqNo: **766306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,980	10						2,062	4	5	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404232**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A2540 D-2015**

Sample ID: **MB-R68115** SampType: **MBLK** TestCode: **TSS** Units: **mg/L** Prep Date: RunNo: **68115**
Client ID: **PBW** Batch ID: **R68115** TestNo: **A2540 D-2015** Analysis Date: **4/16/2024** SeqNo: **766108**

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-R68115** SampType: **LCS** TestCode: **TSS** Units: **mg/L** Prep Date: RunNo: **68115**
Client ID: **LCSW** Batch ID: **R68115** TestNo: **A2540 D-2015** Analysis Date: **4/16/2024** SeqNo: **766109**

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: **2404234-001ADUP** SampType: **DUP** TestCode: **TSS** Units: **mg/L** Prep Date: RunNo: **68115**
Client ID: **BatchQC** Batch ID: **R68115** TestNo: **A2540 D-2015** Analysis Date: **4/16/2024** SeqNo: **766127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	16	5						17	6	5	R

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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QC SUMMARY REPORT

WO#: **2404232**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A5310 B-2014**

Sample ID: **MB-R68078** SampType: **MBLK** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **PBW** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	< 3.0	3.0									

Sample ID: **LCS-R68078** SampType: **LCS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **LCSW** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.1	3.0	25.0	0	96.4	85	115				

Sample ID: **LCS-R68078DUP** SampType: **DUP** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.9	3.0	25.0	0	99.7	0	0	24.1	3.4	20	S

Sample ID: **2404243-001BMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	43.3	3.0	20.0	40.5	14.2	47	131				S

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404232**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A5310 B-2014**

Sample ID: **2404243-001BMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	48.2	3.0	20.0	40.5	38.8	47	131	43.3	10.8	7.72	RS

Sample ID: **2404228-011EMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	23.2	3.0	20.0	12.5	53.8	47	131				

Sample ID: **2404228-011EMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	26.6	3.0	20.0	12.5	70.4	47	131	23.2	13.4	7.72	R

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404232**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **ASTM-D1429**

Sample ID: **2404231-001ADUP** SampType: **DUP** TestCode: **SP_GR** Units: **g/cc @ 4°C** Prep Date: RunNo: **68059**
Client ID: **BatchQC** Batch ID: **R68059** TestNo: **ASTM-D1429** Analysis Date: **4/12/2024** SeqNo: **765060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	0.9973	0.01000						0.9984	0.110	0.723	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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QC SUMMARY REPORT

WO#: **2404232**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **E120.1, 1982**

Sample ID: **LCS-R68099**	SampType: **LCS**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68099**
Client ID: **LCSW**	Batch ID: **R68099**	TestNo: **E120.1, 1982**		Analysis Date: **4/15/2024**	SeqNo: **765569**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	104	1.00	100.0	0	104	80	120				

Sample ID: **2404201-002ADUP**	SampType: **DUP**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68099**
Client ID: **BatchQC**	Batch ID: **R68099**	TestNo: **E120.1, 1982**		Analysis Date: **4/15/2024**	SeqNo: **765571**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	4,040	10.0						4,020	0.496	1.64	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

Green Country TESTING

Chain of Custody Record

Laboratory Number: 2404232

	Client Information:	Billing Information:
Company Name:	A+M Engineering	
Contact Name:	Ed Van Schaik	
Address:		
City, State Zip:		
Phone Number:	918-856-6247 Ext: 233	Ext:
Fax Number:		
E-mail Address:		

PO Number: 1706-0046-001

Quote Number:

Required QC Level: Std

Bill Monthly: ☐ Yes ☐ No

Project Name/Number: Mid-Way Monthly

Sampler's Signature: Ed Van Schaik

Shipping Method: UPS / FedEx / Air / Hand / GCT / Mail

Page 1 of 1

Turn Time
☐ 1 Day
☐ 2 Day
☒ Standard
☐ Other
(Rush turn times will incur a surcharge.)

Which Regulations Apply:
☐ RCRA ☐ Drinking Water
☐ POTW ☐ Distribution
☐ NPDES ☐ Special
☐ USDA/FDA ☐ State
☐ RECAP/RISC ☐ Other

Matrix Code:
AQ = Aqueous, DW = Drinking, WW = Waste, MW = Monit. Well, LQ = Liquid
SO = Soil, O = Oil, SL = Sludge, F = Food, SW = Swab, SOL = Solid

Sample ID/Description	Date	Time	Grab / Composite	Matrix	Container Number	Container Type (P=Plastic, G=Glass, V=Vial)	Pres. (HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$)	Requested Tests: pH	Sp. Cond.	Sp. Gravity	TDS	TOC	TSS	Comments
Injectate	4-10-24	1100	G	AQ	2	P,G		X	X	X	X	X	X	

	Relinquished by	Date/Time	Received by	Date/Time
1	Ed Van Schaik	4-11-24 1010		4/11/24 1010
2				
3				
4				

Field Notes:

Received on ice? ☒ Yes ☐ No
Temp: 4°

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.

6825 E. 38th Street • Tulsa, OK 74145
918-828-9977 • Fax: 918-828-7756

Part 1 – Laboratory Copy • Part 2 – Report Copy • Part 3 – Client's Copy

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
1 OF 1 PAGES

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

May 31, 2024

Ed Van Schaik
A & M Engineering
10010 E. 16th St.
Tulsa, OK 74128-4813
TEL:
FAX:

RE: Midway Monthly- Inj

Order No.: 2405494

Dear Ed Van Schaik:

Green Country Testing, Inc. received 1 sample(s) on 5/23/2024 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,

Brian Duzan
Laboratory Director

CC:
Monty Bruner

Original

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#: **2405494**

Date Reported: **5/31/2024**

CLIENT: A & M Engineering **Lab Order:** 2405494

Project: Midway Monthly- Inj

Lab ID: 2405494-001 **Collection Date:** 5/23/2024 12:00:00 PM

Client Sample ID: Injectate **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	31,900	100		µmhos/cm	100	5/30/2024 2:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.64	0.100	H	pH Units	1	5/30/2024 12:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	1.025	0.01000		g/cc @ 4°C	1	5/31/2024 2:30:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	35,400	10		mg/L	1	5/28/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	20,700	3,000		mg/L	1000	5/29/2024 7:28:00 AM
TOTAL SUSPENDED SOLIDS				**A2540 D-2015**		Analyst: **DW**
Suspended Solids (Residue, Non-Filterable)	955	12		mg/L	2.5	5/29/2024 3:30:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405494**

31-May-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **4500H+B,2011**

Sample ID: **2405493-006ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68878**
Client ID: **BatchQC** Batch ID: **R68878** TestNo: **4500H+B,201** Analysis Date: **5/30/2024** SeqNo: **775366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.13	0.100						8.120	0.123	0.546	H

Sample ID: **2405517-002ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68878**
Client ID: **BatchQC** Batch ID: **R68878** TestNo: **4500H+B,201** Analysis Date: **5/30/2024** SeqNo: **775370**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.92	0.100						6.920	0	0.546	H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405494**

31-May-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A2540 C-2015**

Sample ID: **MB-R68794** SampType: **MBLK** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68794**
Client ID: **PBW** Batch ID: **R68794** TestNo: **A2540 C-2015** Analysis Date: **5/28/2024** SeqNo: **774779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	< 10	10									

Sample ID: **LCS-R68794** SampType: **LCS** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68794**
Client ID: **LCSW** Batch ID: **R68794** TestNo: **A2540 C-2015** Analysis Date: **5/28/2024** SeqNo: **774780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,040	10	1,000	0	104	80	120				

Sample ID: **2405414-002ADUP** SampType: **DUP** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68794**
Client ID: **BatchQC** Batch ID: **R68794** TestNo: **A2540 C-2015** Analysis Date: **5/28/2024** SeqNo: **774782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,770	10						1,583	11	5	R

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405494**
31-May-24

Client: A & M Engineering
Project: Midway Monthly- Inj
TestNo: **A2540 D-2015**

Sample ID: **MB-R68833**	SampType: **MBLK**	TestCode: **TSS**	Units: **mg/L**	Prep Date:	RunNo: **68833**
Client ID: **PBW**	Batch ID: **R68833**	TestNo: **A2540 D-2015**		Analysis Date: **5/29/2024**	SeqNo: **774943**

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-R68833**	SampType: **LCS**	TestCode: **TSS**	Units: **mg/L**	Prep Date:	RunNo: **68833**
Client ID: **LCSW**	Batch ID: **R68833**	TestNo: **A2540 D-2015**		Analysis Date: **5/29/2024**	SeqNo: **774944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	41	5	40	0	103	80	120				

Sample ID: **2405519-001ADUP**	SampType: **DUP**	TestCode: **TSS**	Units: **mg/L**	Prep Date:	RunNo: **68833**
Client ID: **BatchQC**	Batch ID: **R68833**	TestNo: **A2540 D-2015**		Analysis Date: **5/29/2024**	SeqNo: **774969**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	< 5	5						0	0	5	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405494**
31-May-24

Client: A & M Engineering
Project: Midway Monthly- Inj
TestNo: **A5310 B-2014**

Sample ID: **MB-R68841** SampType: **MBLK** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **PBW** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	< 3.0	3.0									

Sample ID: **LCS-R68841** SampType: **LCS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **LCSW** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.6	3.0	25.0	0	98.3	85	115				

Sample ID: **2405416-003BMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	29.2	3.0	20.0	20.6	43.2	47	131				S

Sample ID: **2405416-003BMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	31.2	3.0	20.0	20.6	53.4	47	131	29.2	6.8	7.72	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405494**

31-May-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A5310 B-2014**

Sample ID: **2405487-001BMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	27.2	3.0	20.0	7.9	96.4	47	131				

Sample ID: **2405487-001BMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774887**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	30.0	3.0	20.0	7.9	110	47	131	27.2	9.7	7.72	R

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405494**

31-May-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **ASTM-D1429**

Sample ID: **2405493-001ADUP** SampType: **DUP** TestCode: **SP_GR** Units: **g/cc @ 4°C** Prep Date: RunNo: **68890**
Client ID: **BatchQC** Batch ID: **R68890** TestNo: **ASTM-D1429** Analysis Date: **5/31/2024** SeqNo: **775538**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	0.9964	0.01000						0.9965	0.0100	0.723	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405494**

31-May-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **E120.1, 1982**

Sample ID: **LCS-R68860**	SampType: **LCS**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68860**
Client ID: **LCSW**	Batch ID: **R68860**	TestNo: **E120.1, 1982**		Analysis Date: **5/30/2024**	SeqNo: **775157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	103	1.00	100.0	0	103	80	120				

Sample ID: **2405493-001ADUP**	SampType: **DUP**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68860**
Client ID: **BatchQC**	Batch ID: **R68860**	TestNo: **E120.1, 1982**		Analysis Date: **5/30/2024**	SeqNo: **775159**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	1,210	2.00						1,204	0.166	1.64	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Green Country TESTING

Chain of Custody Record

Laboratory Number: 2405494

Client Information:		Billing Information:		PO Number:	Project Name/Number:
Company Name:	A+M Engineering			1706-0046-001	Mid-Way Monthly
Contact Name:	Ed Van Schaik			Quote Number:	
Address:					Sampler's Signature
City, State Zip:				Required QC Level: Std	
Phone Number:	918-856-6247 Ext: 233		Ext:	Bill Monthly: ☐Yes ☐No	Shipping Method: UPS / FedEx / Air / (Hand) / GCT / Mail
Fax Number:					
E-mail Address:					

Page 1 of 1

Turn Time
- ☐ 1 Day
- ☐ 2 Day
- ☒ Standard
- ☐ Other

(Rush turn times will incur a surcharge.)

Which Regulations Apply:
- ☐ RCRA
- ☐ POTW
- ☐ NPDES
- ☐ USDA/FDA
- ☐ RECAP/RISC
- ☐ Drinking Water
- ☐ Distribution
- ☐ Special
- ☐ State
- ☐ Other

Matrix Code: AQ = Aqueous; DW = Drinking; WW = Waste; MW = Monit. Well; LQ = Liquid; SO = Soil; O = Oil; SL = Sludge; F = Food; SW = Swab; SOL = Solid

Sample ID/Description	Date	Time	Grab / Composite	Matrix	Container Number	Container Type (P=Plastic, G=Glass, V=Vial)	Pres. (HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$)	Requested Tests: pH	Sp. Cond.	Sp. Gravity	TDS	TOC	TSS	Comments
Injectate	5-23-24	1200	G	AQ	2	P,G		X	X	X	X	X	X	

	Relinquished by	Date/Time	Received by	Date/Time
1	Ed Van Schaik	5-23-24 1451	Baller	5/23/24 14:57
2				
3				
4				

Field Notes:

Received on ice? ☐Yes ☐No

Temp: 6.5°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.

6825 E. 38th Street • Tulsa, OK 74145
918-828-9977 • Fax: 918-828-7756

Part 1 – Laboratory Copy • Part 2 – Report Copy • Part 3 – Client's Copy

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
1 OF 1 PAGES

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

June 24, 2024

Ed Van Schaik
A & M Engineering
10010 E. 16th St.
Tulsa, OK 74128-4813
TEL:
FAX:

RE: Midway Monthly- Inj

Order No.: 2406286

Dear Ed Van Schaik:

Green Country Testing, Inc. received 1 sample(s) on 6/14/2024 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,

Brian Duzan
Laboratory Director

CC:
Monty Bruner

Original

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Analytical Report

(continuous)

WO#: **2406286**

Date Reported: **6/24/2024**

CLIENT: A & M Engineering **Lab Order:** 2406286

Project: Midway Monthly- Inj

Lab ID: 2406286-001 **Collection Date:** 6/14/2024 8:45:00 AM

Client Sample ID: Injectate **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	35,600	100		µmhos/cm	100	6/18/2024 1:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.89	0.100	H	pH Units	1	6/18/2024 1:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **AC**
Specific Gravity	1.021	0.01000		g/cc @ 4°C	1	6/19/2024 12:35:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	37,100	10		mg/L	1	6/21/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	22,600	3,000		mg/L	1000	6/20/2024 1:50:00 PM
TOTAL SUSPENDED SOLIDS				**A2540 D-2015**		Analyst: **MH**
Suspended Solids (Residue, Non-Filterable)	920	8		mg/L	1.66667	6/17/2024 2:25:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode

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QC SUMMARY REPORT

WO#: **2406286**

24-Jun-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **4500H+B,2011**

Sample ID: **LCS-R69157** SampType: **LCS** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **69157**
Client ID: **LCSW** Batch ID: **R69157** TestNo: **4500H+B,201** Analysis Date: **6/18/2024** SeqNo: **778847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.04	0.100	6.000	0	101	80	120				

Sample ID: **2406258-001ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **69157**
Client ID: **BatchQC** Batch ID: **R69157** TestNo: **4500H+B,201** Analysis Date: **6/18/2024** SeqNo: **778849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.07	0.100						7.070	0	1.03	H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **2406286**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A2540 C-2015**

Sample ID: **2406354-002ADUP** SampType: **DUP** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **69234**
Client ID: **BatchQC** Batch ID: **R69234** TestNo: **A2540 C-2015** Analysis Date: **6/21/2024** SeqNo: **780146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,720	10						1,677	3	5	

Sample ID: **LCS-R69234** SampType: **LCS** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **69234**
Client ID: **LCSW** Batch ID: **R69234** TestNo: **A2540 C-2015** Analysis Date: **6/21/2024** SeqNo: **780176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,030	10	1,000	0	103	80	120				

Sample ID: **MB-R69234** SampType: **MBLK** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **69234**
Client ID: **PBW** Batch ID: **R69234** TestNo: **A2540 C-2015** Analysis Date: **6/21/2024** SeqNo: **780178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	< 10	10									

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **2406286**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **A2540 D-2015**

Sample ID: **MB-R69150**	SampType: **MBLK**	TestCode: **TSS**	Units: **mg/L**	Prep Date:	RunNo: **69150**
Client ID: **PBW**	Batch ID: **R69150**	TestNo: **A2540 D-2015**		Analysis Date: **6/17/2024**	SeqNo: **779236**

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-R69150**	SampType: **LCS**	TestCode: **TSS**	Units: **mg/L**	Prep Date:	RunNo: **69150**
Client ID: **LCSW**	Batch ID: **R69150**	TestNo: **A2540 D-2015**		Analysis Date: **6/17/2024**	SeqNo: **779237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	41	5	40	0	103	80	120				

Sample ID: **2406229-002BDUP**	SampType: **DUP**	TestCode: **TSS**	Units: **mg/L**	Prep Date:	RunNo: **69150**
Client ID: **BatchQC**	Batch ID: **R69150**	TestNo: **A2540 D-2015**		Analysis Date: **6/17/2024**	SeqNo: **779244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filterable)	48	5						49	2	5	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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

QC SUMMARY REPORT

WO#: **2406286**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly- Inj
TestNo: **A5310 B-2014**

Sample ID: **MB-R69230** SampType: **MBLK** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69230**
Client ID: **PBW** Batch ID: **R69230** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	< 3.0	3.0									

Sample ID: **LCS-R69230** SampType: **LCS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69230**
Client ID: **LCSW** Batch ID: **R69230** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.0	3.0	25.0	0	95.8	85	115				

Sample ID: **2406341-002B MS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69230**
Client ID: **BatchQC** Batch ID: **R69230** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	30.2	3.0	20.0	7.0	116	10	162				

Sample ID: **2406341-002B MSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69230**
Client ID: **BatchQC** Batch ID: **R69230** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	28.5	3.0	20.0	7.0	108	10	162	30.2	6.0	17.6	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **2406286**

24-Jun-24

Client: A & M Engineering
Project: Midway Monthly- Inj

TestNo: **ASTM-D1429**

Sample ID: **2406285-001ADUP** SampType: **DUP** TestCode: **SP_GR** Units: **g/cc @ 4°C** Prep Date: RunNo: **69180**
Client ID: **BatchQC** Batch ID: **R69180** TestNo: **ASTM-D1429** Analysis Date: **6/19/2024** SeqNo: **779199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	0.9960	0.01000						0.9967	0.0703	0.723	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **2406286**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly- Inj
TestNo: **E120.1, 1982**

Sample ID: **LCS-R69159** SampType: **LCS** TestCode: **COND** Units: **µmhos/cm** Prep Date: RunNo: **69159**
Client ID: **LCSW** Batch ID: **R69159** TestNo: **E120.1, 1982** Analysis Date: **6/18/2024** SeqNo: **778869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	102	1.00	100.0	0	102	80	120				

Sample ID: **2406258-001ADUP** SampType: **DUP** TestCode: **COND** Units: **µmhos/cm** Prep Date: RunNo: **69159**
Client ID: **BatchQC** Batch ID: **R69159** TestNo: **E120.1, 1982** Analysis Date: **6/18/2024** SeqNo: **778871**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	35,900	100						36,200	0.832	7.95	

Sample ID: **2406315-001ADUP** SampType: **DUP** TestCode: **COND** Units: **µmhos/cm** Prep Date: RunNo: **69159**
Client ID: **BatchQC** Batch ID: **R69159** TestNo: **E120.1, 1982** Analysis Date: **6/18/2024** SeqNo: **778891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	6.90	1.00						7.100	2.86	7.95	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

Green Country TESTING

Chain of Custody Record

Laboratory Number: 24062286

Client Information:		Billing Information:	
Company Name:	A+M Engineering		
Contact Name:	Ed Van Schaik		
Address:			
City, State Zip:			
Phone Number:	918-856-6247 Ext: 233	Ext:	
Fax Number:			
E-mail Address:			

PO Number: 1706-0046-001

Quote Number:

Required QC Level: Std

Bill Monthly: ☐Yes ☐No

Project Name/Number: Mid-Way Monthly

Sampler's Signature: Ed Van Schaik

Shipping Method: UPS / FedEx / Air / (Hand) / GCT / Mail

Turn Time: ☐1 Day ☐2 Day ☒Standard ☐Other (Rush turn times will incur a surcharge.)

Which Regulations Apply: ☐RCRA ☐POTW ☐NPDES ☐USDA/FDA ☐RECAP/RISC ☐Drinking Water ☐Distribution ☐Special ☐State ☐Other

Matrix Code: AQ = Aqueous, DW = Drinking, WW = Waste, MW = Monit. Well, LQ = Liquid, SO = Soil, O = Oil, SL = Sludge, F = Food, SW = Swab, SOL = Solid

Sample ID/Description	Date	Time	Grab / Composite	Matrix	Container Number	Container Type (P=Plastic, G=Glass, V=Vial)	Pres. (HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$)	pH	Sp. Cond.	Sp. Gravity	TDS	TOC	TSS	Comments
Injectate	6-14-24	0845	G	AQ	2	P,G		X	X	X	X	X	X	

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
OF 1 PAGES

	Relinquished by	Date/Time	Received by	Date/Time
1	Ed Van Schaik	6-14-24 1305		6-14-24 1305
2				
3				
4				

Field Notes:

Received on ice? ☑Yes ☐No

Temp: 6.0°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.

6825 E. 38th Street • Tulsa, OK 74145
918-828-9977 • Fax: 918-828-7756

Part 1 – Laboratory Copy • Part 2 – Report Copy • Part 3 – Client's Copy

APPENDIX B

INJECTION WELL OPERATING CONDITIONS
(ODEQ FORMS 600)

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: April 2024 Page 1-5

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

This report is to be completed on a monthly basis by all non-hazardous Class I injection wells as defined by 40 CFR 144.6 (a)(2). This report is to be received by the Oklahoma Department of Environmental Quality, Land Protection Division, no later than 15 days after the end of the calendar quarter.

Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	104 N	5252	197	4/1	4/3	5.7	70	1.065	493	586
	137 EW	6124	197	4/1	4/3	5.7	70	1.065	493	586
	112 A	4812	197	4/1	4/3	5.7	70	1.065	493	586
	371 N	4089	197	4/1	4/3	5.7	70	1.065	493	586
	104 N	5288	197	**4/1**	4/3	5.7	70	1.065	493	586
	104 N	5252	197	4/2	4/3	5.7	70	1.065	493	586
	137 EW	6444	197	4/2	4/3	5.7	70	1.065	493	586
	137 EW	6195	197	4/2	4/3	5.7	70	1.065	493	586
	104 N	5413	197	4/2	4/3	5.7	70	1.065	493	586
	430 N	5202	197	4/2	4/3	5.7	70	1.065	493	586
	430 N	5166	197	**4/2**	4/3	5.7	70	1.065	493	586
	137 EW	6068	197	4/3	4/3	5.7	70	1.065	493	586
	112 A	6021	197	**4/3**	**4/3**	5.7	70	1.065	493	586
	104 N	5349	199	4/4	4/5	5.8	67	1.065	463	543
	112 A	5953	199	4/4	4/5	5.8	67	1.065	463	543
	104 N	5305	199	**4/4**	4/5	5.8	67	1.065	463	543
	300 C	5707	199	4/5	4/5	5.8	67	1.065	463	543
	419 OW	6030	199	4/5	4/5	5.8	67	1.065	463	543
	112 A	7046	199	4/5	4/5	5.8	67	1.065	463	543
	419 OW	5715	199	4/5	4/5	5.8	67	1.065	463	543
	103 N	4760	199	**4/5**	**4/5**	5.8	67	1.065	463	543
	103 N	4716	189	4/8	4/10	5.9	75	1.060	497	592
	103 N	5989	189	4/8	4/10	5.9	75	1.060	497	592
	112 A	7010	189	4/8	4/10	5.9	75	1.060	497	592
	137 EW	5980	189	4/8	4/10	5.9	75	1.060	497	592
	103 N	4580	189	4/8	4/10	5.9	75	1.060	497	592
	137 EW	6088	189	4/8	4/10	5.9	75	1.060	497	592
	103 N	4619	189	4/8	4/10	5.9	75	1.060	497	592
	388 C	5510	189	**4/8**	4/10	5.9	75	1.060	497	592
	104 N	5041	189	4/9	4/10	5.9	75	1.060	497	592
	103 N	4495	189	4/9	4/10	5.9	75	1.060	497	592
	103 N	4411	189	4/9	4/10	5.9	75	1.060	497	592
	112 A	6439	189	4/9	4/10	5.9	75	1.060	497	592

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of April

Signature of site Owner/Operator — 7/30/2024 Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: April 2024 Page 2-5

INJECTION WELL MONTHLY REPORT

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	137 EW	6097	189	4/9	4/10	5.9	75	1.060	497	592
	103 N	4277	189	4/9	4/10	5.9	75	1.060	497	592
	388 C	5320	189	4/9	4/10	5.9	75	1.060	497	592
	103 N	4494	189	4/9	4/10	5.9	75	1.060	497	592
	112 A	6302	189	**4/9**	4/10	5.9	75	1.060	497	592
	388 C	5353	189	**4/10**	**4/10**	5.9	75	1.060	497	592
	419 N	5745	200	4/11	4/12	5.4	69	1.060	468	542
	112 A	5737	200	4/11	4/12	5.4	69	1.060	468	542
	104 N	5419	200	4/11	4/12	5.4	69	1.060	468	542
	137 EW	6161	200	4/11	4/12	5.4	69	1.060	468	542
	346 N	2855	200	4/11	4/12	5.4	69	1.060	468	542
	388 C	5382	200	4/11	4/12	5.4	69	1.060	468	542
	103 N	4688	200	**4/11**	4/12	5.4	69	1.060	468	542
	104 N	5454	200	4/12	4/12	5.4	69	1.060	468	542
	103 N	4605	200	4/12	4/12	5.4	69	1.060	468	542
	112 A	6395	200	4/12	4/12	5.4	69	1.060	468	542
	419 OW	6055	200	4/12	4/12	5.4	69	1.060	468	542
	103 N	5151	200	4/12	4/12	5.4	69	1.060	468	542
	419 OW	5583	200	4/12	4/12	5.4	69	1.060	468	542
	419 OW	6012	200	4/12	4/12	5.4	69	1.060	468	542
	371 N	3815	200	4/12	4/12	5.4	69	1.060	468	542
	103 N	4928	200	4/12	4/12	5.4	69	1.060	468	542
	103 N	4479	200	4/12	4/12	5.4	69	1.060	468	542
	103 N	4673	200	4/12	4/12	5.4	69	1.060	468	542
	103 N	4594	200	**4/12**	**4/12**	5.4	69	1.060	468	542
	112 A	5935	193	4/15	4/17	5.8	60	1.060	496	590
	104 N	5196	193	4/15	4/17	5.8	60	1.060	496	590
	137 EW	6122	193	4/15	4/17	5.8	60	1.060	496	590
	103 N	4708	193	4/15	4/17	5.8	60	1.060	496	590
	104 N	5073	193	4/15	4/17	5.8	60	1.060	496	590
	388 C	5249	193	4/15	4/17	5.8	60	1.060	496	590
	104 N	5111	193	**4/15**	4/17	5.8	60	1.060	496	590
	419 OW	5891	193	4/16	4/17	5.8	60	1.060	496	590

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of April

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: April 2024 Page 3-5

INJECTION WELL MONTHLY REPORT

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	112 A	5178	193	4/16	4/17	5.8	80	1.060	498	596
	103 N	4720	193	4/16	4/17	5.8	80	1.060	498	596
	137 EW	6182	193	4/16	4/17	5.8	80	1.060	498	596
	104 N	5377	193	4/16	4/17	5.8	80	1.060	498	596
	104 N	5149	193	4/16	4/17	5.8	80	1.060	498	596
	137 EW	6174	193	4/16	4/17	5.8	80	1.060	498	596
	388 C	5462	193	4/16	4/17	5.8	80	1.060	498	596
	104 N	5462	193	**4/16**	4/17	5.8	80	1.060	498	596
	103 N	4634	193	4/17	4/17	5.8	80	1.060	498	596
	104 N	5149	193	4/17	4/17	5.8	80	1.060	498	596
	112 A	5505	193	4/17	4/17	5.8	80	1.060	498	596
	104 N	5071	193	4/17	**4/17**	5.8	80	1.060	498	596
	419 OW	5910	183	4/17	4/19	6	70	1.060	460	536
	103 N	4641	183	4/17	4/19	6	70	1.060	460	536
	104 N	5065	183	4/17	4/19	6	70	1.060	460	536
	430 N	3517	183	4/17	4/19	6	70	1.060	460	536
	388 C	5401	183	4/17	4/19	6	70	1.060	460	536
	104 N	5352	183	**4/17**	4/19	6	70	1.060	460	536
	112 A	5976	183	4/18	4/19	6	70	1.060	460	536
	104 N	5098	183	4/18	4/19	6	70	1.060	460	536
	137 EW	6181	183	4/18	4/19	6	70	1.060	460	536
	103 N	4639	183	4/18	4/19	6	70	1.060	460	536
	104 N	5079	183	**4/18**	4/19	6	70	1.060	460	536
	419 OW	5895	183	4/19	4/19	6	70	1.060	460	536
	112 A	5870	183	4/19	4/19	6	70	1.060	460	536
	419 OW	6095	183	4/19	4/19	6	70	1.060	460	536
	104 N	6140	183	**4/19**	**4/19**	6	70	1.060	460	536
	104 N	5279	195	4/22	4/24	6.6	77	1.060	502	586
	103 N	4566	195	4/22	4/24	6.6	77	1.060	502	586
	137 EW	6157	195	4/22	4/24	6.6	77	1.060	502	586
	419 OW	5963	195	4/22	4/24	6.6	77	1.060	502	586
	137 EW	6180	195	4/22	4/24	6.6	77	1.060	502	586
	104 N	5054	195	4/22	4/24	6.6	77	1.060	502	586

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of April

7/30/2024

Signature of site Owner/Operator Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: April 2024 Page 4-5

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
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120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	103 N	4518	195	4/22	4/24	6.6	77	1.060	502	586
	419 OW	5796	195	4/22	4/24	6.6	77	1.060	502	586
	103 N	4603	195	4/22	4/24	6.6	77	1.060	502	586
	112 A	6078	195	**4/22**	4/24	6.6	77	1.060	502	586
	103 N	4494	195	4/23	4/24	6.6	77	1.060	502	586
	103 N	4652	195	4/23	4/24	6.6	77	1.060	502	586
	137 EW	6117	195	4/23	4/24	6.6	77	1.060	502	586
	104 N	5014	195	4/23	4/24	6.6	77	1.060	502	586
	137 EW	6171	195	4/23	4/24	6.6	77	1.060	502	586
	103 N	4507	195	4/23	4/24	6.6	77	1.060	502	586
	103 N	4605	195	**4/23**	4/24	6.6	77	1.060	502	586
	103 N	4410	195	4/24	4/24	6.6	77	1.060	502	586
	112 A	6058	195	4/24	4/24	6.6	77	1.060	502	586
	103 N	4583	195	4/24	4/24	6.6	77	1.060	502	586
	104 N	5047	195	4/24	**4/24**	6.6	77	1.060	502	586
	103 N	4384	184	4/24	4/26	6.7	61	1.060	461	515
	103 N	4659	184	4/24	4/26	6.7	61	1.060	461	515
	388 C	5204	184	**4/24**	4/26	6.7	61	1.060	461	515
	103 N	4367	184	4/25	4/26	6.7	61	1.060	461	515
	419 OW	5940	184	4/25	4/26	6.7	61	1.060	461	515
	137 EW	6203	184	4/25	4/26	6.7	61	1.060	461	515
	112 A	5868	184	4/25	4/26	6.7	61	1.060	461	515
	419 OW	5860	184	4/25	4/26	6.7	61	1.060	461	515
	419 OW	5885	184	4/25	4/26	6.7	61	1.060	461	515
	103 N	4416	184	4/25	4/26	6.7	61	1.060	461	515
	137 EW	6224	184	4/25	4/26	6.7	61	1.060	461	515
	388 C	5486	184	**4/25**	4/26	6.7	61	1.060	461	515
	103 N	4455	184	4/26	4/26	6.7	61	1.060	461	515
	112 A	6511	184	4/26	4/26	6.7	61	1.060	461	515
	181 OW	2361	184	4/26	4/26	6.7	61	1.060	461	515
	419 OW	6209	184	4/26	4/26	6.7	61	1.060	461	515
	371 N	4160	184	4/26	4/26	6.7	61	1.060	461	515
	340 N	3465	184	4/26	4/26	6.7	61	1.060	461	515

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of April

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: April 2024 Page 5 -5

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

This report is to be completed on a monthly basis by all non-hazardous Class I injection wells as defined by 40 CFR 144.6 (a)(2). This report is to be received by the Oklahoma Department of Environmental Quality, Land Protection Division, no later than 15 days after the end of the calendar quarter.

Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	103 N	4629	184	**4/26**	**4/26**	6.7	61	1.060	461	515
	104 N	5174	184	4/29	4/30	6.6	79	1.070	496	584
	248 N	5383	184	4/29	4/30	6.6	79	1.070	496	584
	137 EW	6084	184	4/29	4/30	6.6	79	1.070	496	584
	170 A	2160	184	4/29	4/30	6.6	79	1.070	496	584
	104 N	4983	184	4/29	4/30	6.6	79	1.070	496	584
	112 A	5267	184	4/29	4/30	6.6	79	1.070	496	584
	137 EW	6043	184	4/29	4/30	6.6	79	1.070	496	584
	388 C	5480	184	**4/29**	4/30	6.6	79	1.070	496	584
	419 OW	5925	184	4/30	4/30	6.6	79	1.070	496	584
	103 N	4696	184	4/30	4/30	6.6	79	1.070	496	584
	103 N	4960	184	4/30	4/30	6.6	79	1.070	496	584
	137 EW	6161	184	4/30	4/30	6.6	79	1.070	496	584
	112 A	5643	184	4/30	4/30	6.6	79	1.070	496	584
	388 C	4998	184	4/30	4/30	6.6	79	1.070	496	584
	112 A	6125	184	4/30	4/30	6.6	79	1.070	496	584
	137 EW	6037	184	4/30	4/30	6.6	79	1.070	496	584
	103 N	4990	184	4/30	4/30	6.6	79	1.070	496	584
	388 C	5492	184	4/30	4/30	6.6	79	1.070	496	584
	103 N	5075	184	**4/30**	**4/30**	6.6	79	1.070	496	584

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of April

Signature of site Owner/Operator — Date: 7/30/2024

Facility Name: Mid-Way Environmental Services, Inc.
EPA ID No.: N/A
Permit No.: IW-NH-41001-OP
Date: April-04

INJECTION WELL MONTHLY REPORT

Month/Number of days any injection occurred	Well No. MES #1 April /2024	Well No. /
Part I		
VOLUME (gallons)		
Volume for month	849850	
Cumulative Total (for the year)	4350387	
Average Daily (when injecting)	94383	
Maximum Daily	111973	
Minimum Daily (when injecting)	51886	
SURFACE INJECTION PRESSURE (psi)		
Average (when injecting)	482	
Maximum	502	
ANNULAR PRESSURE (psi)		
Average (when pressurized)	564	
Maximum	596	
Minimum (at any time)	515	
INJECTION RATE (gpm)		
Average (when injecting)	192	
Maximum	200	

Part II

AS AN ATTACHMENT, ENCLOSE THE FOLLOWING INFORMATION FOR EACH WELL

1. Describe all fluids injected during the month showing:
   A. Origin of each injection stream;
   B. Percent concentration of the major constituents of each injection stream, if applicable;
   C. Physical description of each injection stream—such as color, turbidity, odor, density, viscosity, temperature;
   D. Groundwater analysis of the deep monitor well.
2. Describe and give the results of any pertinent activities conducted during the month including, but not limited to:
   A. Well workover operations;
   B. Mechanical integrity tests performed (whether by operator or DEQ official);
   C. Calibration and other maintenance of monitoring equipment.
3. Explain any unusual occurrences in the monitoring record during the month, including, but not limited to:
   A. Breaks or inconsistencies;
   B. Injection pressure exceeding permitted maximum;
   C. Annular pressure drop below permitted minimum;
   D. Maintenance to annular fluid volume or pressure.

I hereby certify that the information submitted in this and all attached documents is accurate and complete.

(Signature of authorized representative)

7/30/2024
(Date)

Orphius Mohammad, PhD., P.E., Senior Environmental Engineer
(Name and title)

918.665.6575
(Telephone)

File this report no later than 15 days after the end of the calendar quarter to:

Department of Environmental Quality
Land Protection Division
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: May 2024 Page 1 of 8

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	104 N	5214	177	5/1	5/1	6.6	85	1.043	501	595
	103 N	5296	177	5/1	5/1	6.6	85	1.043	501	595
	103 N	5209	177	5/1	5/1	6.6	85	1.043	501	595
	112 A	5845	177	5/1	5/1	6.6	85	1.043	501	595
	137 EW	6069	177	5/1	5/1	6.6	85	1.043	501	595
	419 OW	5896	177	5/1	5/1	6.6	85	1.043	501	595
	112 A	4986	177	5/1	5/1	6.6	85	1.043	501	595
	104 N	5148	177	5/1	5/1	6.6	85	1.043	501	595
	116 OW	5321	177	5/1	5/1	6.6	85	1.043	501	595
	388 C	5425	177	5/1	5/1	6.6	85	1.043	501	595
	103 N	4713	177	5/1	5/1	6.6	85	1.043	501	595
	103 N	5134	177	5/1	5/1	6.6	85	1.043	501	595
	103 N	5020	180	**5/1**	**5/2**	6.7	85	1.047	501	595
	103 N	4566	180	5/2	5/2	6.7	85	1.047	501	595
	112 A	5860	180	5/2	5/2	6.7	85	1.047	501	595
	103 N	4260	180	5/2	5/2	6.7	85	1.047	501	595
	103 N	5385	180	5/2	5/2	6.7	85	1.047	501	595
	137 EW	6112	180	5/2	5/2	6.7	85	1.047	501	595
	104 N	5260	180	5/2	5/2	6.7	85	1.047	501	595
	419 OW	5760	180	5/2	5/2	6.7	85	1.047	501	595
	116 OW	5147	180	5/2	5/2	6.7	85	1.047	501	595
	419 OW	5762	180	5/2	5/2	6.7	85	1.047	501	595
	103 N	4683	180	5/2	5/2	6.7	85	1.047	501	595
	340 N	4382	180	5/2	5/2	6.7	85	1.047	501	595
	104 N	4941	180	5/2	5/2	6.7	85	1.047	501	595
	103 N	5295	180	**5/2**	5/2	6.7	85	1.047	501	595
	112 A	5860	190	5/3	**5/3**	8.0	67	1.051	473	519
	103 N	4795	190	5/3	5/3	8.0	67	1.051	473	519
	104 N	5151	190	5/3	5/3	8.0	67	1.051	473	519
	103 N	4738	190	5/3	5/3	8.0	67	1.051	473	519
	103 N	4614	190	5/3	5/3	8.0	67	1.051	473	519
	228 OW	5000	190	5/3	5/3	8.0	67	1.051	473	519
	103 N	4709	190	5/3	5/3	8.0	67	1.051	473	519

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: May 2024 Page 2 of 8

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	104 N	5144	194	5/6	5/7	8.2	80	1.08	500	582
	103 N	4792	194	5/6	5/7	8.2	80	1.08	500	582
	137 EW	6346	194	5/6	5/7	8.2	80	1.08	500	582
	248 N	5497	194	5/6	5/7	8.2	80	1.08	500	582
	388 C	4916	194	5/6	5/7	8.2	80	1.08	500	582
	104 N	4949	194	5/6	5/7	8.2	80	1.08	500	582
	248 N	4924	194	5/6	5/7	8.2	80	1.08	500	582
	230 OW	4374	194	5/6	5/7	8.2	80	1.08	500	582
	228 OW	4800	194	5/6	5/7	8.2	80	1.08	500	582
	419 OW	5880	194	5/6	5/7	8.2	80	1.08	500	582
	103 N	5019	194	5/6	5/7	8.2	80	1.08	500	582
	103 N	4824	194	5/6	5/7	8.2	80	1.08	500	582
	388 C	5425	194	**5/6**	5/7	8.2	80	1.08	500	582
	103 N	4785	194	5/7	5/7	8.2	80	1.08	500	582
	112 A	6101	194	**5/7**	**5/7**	8.2	80	1.08	500	582
	137 EW	6266	194	**5/7**	**5/7**	8.2	80	1.08	500	582
	388 C	4767	194	**5/7**	**5/7**	8.2	80	1.08	500	582
	419 OW	5879	194	**5/7**	**5/7**	8.2	80	1.08	500	582
	104 N	5128	194	**5/7**	**5/7**	8.2	80	1.08	500	582
	137 EW	6044	194	**5/7**	**5/7**	8.2	80	1.08	500	582
	248 N	5238	194	**5/7**	5/7	8.2	80	1.08	500	582
	104 N	5037	184	5/7	5/8	8.2	86	1.07	504	598
	388 C	5400	184	5/7	5/8	8.2	85	1.07	501	591
	103 N	4609	184	5/7	5/8	8.2	85	1.07	501	591
	248 N	4546	184	**5/7**	5/8	8.2	85	1.07	501	591
	104 N	5278	184	5/8	5/8	8.2	85	1.07	501	591
	137 EW	6072	184	5/8	5/8	8.2	85	1.07	501	591
	112 A	6034	184	5/8	5/8	8.2	85	1.07	501	591
	104 N	5136	184	5/8	5/8	8.2	85	1.07	501	591
	419 OW	5813	184	5/8	5/8	8.2	85	1.07	501	591
	419 OW	6170	184	5/8	5/8	8.2	85	1.07	501	591
	403 OW	6260	184	5/8	5/8	8.2	85	1.07	501	591
	401 OW	6465	184	5/8	5/8	8.2	85	1.07	501	591

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: May 2024 Page 3 of 8

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	419 OW	5123	184	5/8	5/8	8.2	85	1.07	501	591
	104 N	4954	184	5/8	5/8	8.2	85	1.07	501	591
	103 N	4893	184	5/8	5/8	8.2	85	1.07	501	591
	388 C	5366	184	5/8	5/8	8.2	85	1.07	501	591
	104 N	5103	184	**5/8**	**5/8**	8.2	85	1.07	501	591
	112 A	5216	189	5/9	5/9	8.0	87	1.07	506	593
	103 N	4842	189	5/9	5/9	8.0	87	1.07	506	593
	137 EW	6020	189	5/9	5/9	8.0	87	1.07	506	593
	400 OW	6234	189	5/9	5/9	8.0	87	1.07	506	593
	403 OW	6508	189	5/9	5/9	8.0	87	1.07	506	593
	103 N	4901	189	5/9	5/9	8.0	87	1.07	506	593
	112 A	4994	189	5/9	5/9	8.0	87	1.07	506	593
	104 N	5151	189	5/9	5/9	8.0	87	1.07	506	593
	137 EW	6068	189	5/9	5/9	8.0	87	1.07	506	593
	419 OW	5785	189	5/9	5/9	8.0	87	1.07	506	593
	103 N	4903	189	5/9	5/9	8.0	87	1.07	506	593
	371 N	3954	189	5/9	5/9	8.0	87	1.07	506	593
	104 N	4956	189	5/9	5/9	8.0	87	1.07	506	593
	103 N	4830	189	5/9	5/9	8.0	87	1.07	506	593
	346 N	4455	189	**5/9**	**5/9**	8.0	87	1.07	506	593
	300 C	6890	195	5/10	5/10	6.4	78	1.07	485	534
	103 N	4561	195	5/10	5/10	6.4	78	1.07	485	534
	430 N	5831	195	5/10	5/10	6.4	78	1.07	485	534
	112 A	6250	195	5/10	5/10	6.4	78	1.07	485	534
	419 OW	5948	195	5/10	5/10	6.4	78	1.07	485	534
	103 N	4936	195	5/10	5/10	6.4	78	1.07	485	534
	104 N	4926	195	5/10	5/10	6.4	78	1.07	485	534
	103 N	4662	195	5/10	5/10	6.4	78	1.07	485	534
	113 OW	4683	195	**5/10**	**5/10**	6.4	78	1.07	485	534
	300 C	5860	212	5/13	5/14	7.4	85	1.09	501	581
	103 N	4741	212	5/13	5/14	7.4	85	1.09	501	581
	137 EW	6056	212	5/13	5/14	7.4	85	1.09	501	581
	104 N	4927	212	5/13	5/14	7.4	85	1.09	501	581

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

Signature of site Owner/Operator — 7/30/2024 Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: May 2024 Page 4 of 8

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	181 OW	3043	212	5/13	5/14	7.4	85	1.09	501	581
	112 A	6500	212	5/13	5/14	7.4	85	1.09	501	581
	103 N	4693	212	5/13	5/14	7.4	85	1.09	501	581
	388 C	5297	212	5/13	5/14	7.4	85	1.09	501	581
	104 N	4920	212	**5/13**	5/14	7.4	85	1.09	501	581
	419 OW	5778	212	5/14	5/14	7.4	85	1.09	501	581
	137 EW	5332	212	5/14	5/14	7.4	85	1.09	501	581
	104 N	4923	212	5/14	5/14	7.4	85	1.09	501	581
	137 EW	5880	212	5/14	5/14	7.4	85	1.09	501	581
	103 N	4713	212	5/14	**5/14**	7.4	85	1.09	501	581
	388 C	5318	183	**5/14**	5/16	6.8	88	1.08	476	544
	419 OW	5877	183	5/15	5/16	6.8	88	1.08	476	544
	104 N	4998	183	5/15	5/16	6.8	88	1.08	476	544
	104 N	4951	183	5/15	5/16	6.8	88	1.08	476	544
	112 A	6380	183	5/15	5/16	6.8	88	1.08	476	544
	103 N	4679	183	5/15	5/16	6.8	88	1.08	476	544
	340 N	4183	183	5/15	5/16	6.8	88	1.08	476	544
	388 C	5304	183	5/15	5/16	6.8	88	1.08	476	544
	104 N	4881	183	**5/15**	5/16	6.8	88	1.08	476	544
	112 A	6275	183	5/16	5/16	6.8	88	1.08	476	544
	104 N	4813	183	5/16	5/16	6.8	88	1.08	476	544
	137 EW	6090	183	5/16	5/16	6.8	88	1.08	476	544
	137 EW	6117	183	5/16	5/16	6.8	88	1.08	476	544
	103 N	4680	183	5/16	5/16	6.8	88	1.08	476	544
	388 C	5308	183	5/16	5/16	6.8	88	1.08	476	544
	104 N	4980	183	**5/16**	**5/16**	6.8	88	1.08	476	544
	112 A	6350	176	5/17	5/17	7.8	88	1.08	463	586
	103 N	4848	176	5/17	5/17	7.8	88	1.08	463	586
	104 N	5061	176	5/17	5/17	7.8	88	1.08	463	586
	185 OW	4143	176	5/17	5/17	7.8	88	1.08	463	586
	103 N	4585	176	5/17	5/17	7.8	88	1.08	463	586
	254 OW	4693	176	**5/17**	5/17	7.8	88	1.08	463	586
	103 N	4779	163	5/20	5/21	6.1	89	1.1	470	587

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP

INJECTION WELL MONTHLY REPORT

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Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	112 A	6750	163	5/20	5/21	6.1	89	1.1	470	587
	137 EW	6033	163	5/20	5/21	6.1	89	1.1	470	587
	104 N	4870	163	5/20	5/21	6.1	89	1.1	470	587
	103 N	4724	163	5/20	5/21	6.1	89	1.1	470	587
	137 EW	6072	163	5/20	5/21	6.1	89	1.1	470	587
	371 N	4000	163	5/20	5/21	6.1	89	1.1	470	587
	103 N	4757	163	5/20	5/21	6.1	89	1.1	470	587
	104 N	4807	163	5/20	5/21	6.1	89	1.1	470	587
	419 OW	5855	163	5/20	5/21	6.1	89	1.1	470	587
	103 N	4753	163	5/20	5/21	6.1	89	1.1	470	587
	112 A	6575	163	5/20	5/21	6.1	89	1.1	470	587
	137 EW	6144	163	**5/20**	5/21	6.1	89	1.1	470	587
	419 OW	6023	163	5/21	5/21	6.1	89	1.1	470	587
	103 N	4777	163	5/21	5/21	6.1	89	1.1	470	587
	103 N	4913	163	5/21	**5/21**	6.1	89	1.1	470	587
	388 C	5226	175	5/21	5/23	6.5	79	1.08	476	523
	104 N	4790	175	**5/21**	5/23	6.5	79	1.08	476	523
	103 N	4597	175	5/22	5/23	6.5	79	1.08	476	523
	103 N	4634	175	5/22	5/23	6.5	79	1.08	476	523
	112 A	6490	175	5/22	5/23	6.5	79	1.08	476	523
	104 N	4941	175	5/22	5/23	6.5	79	1.08	476	523
	104 N	5287	175	5/22	5/23	6.5	79	1.08	476	523
	365 OW	4672	175	5/22	5/23	6.5	79	1.08	476	523
	419 OW	5920	175	5/22	5/23	6.5	79	1.08	476	523
	103 N	4472	175	5/22	5/23	6.5	79	1.08	476	523
	317 N	5423	175	5/22	5/23	6.5	79	1.08	476	523
	254 OW	4288	175	5/22	5/23	6.5	79	1.08	476	523
	388 C	5249	175	5/22	5/23	6.5	79	1.08	476	523
	103 N	4804	175	**5/22**	5/23	6.5	79	1.08	476	523
	104 N	4830	175	5/23	5/23	6.5	79	1.08	476	523
	103 N	4757	175	5/23	5/23	6.5	79	1.08	476	523
	103 N	4879	175	5/23	5/23	6.5	79	1.08	476	523
	137 EW	6200	175	5/23	5/23	6.5	79	1.08	476	523

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

Signature of site Owner/Operator — 7/30/2024 Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: May 2024 Page 6 of 8

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	403 OW	6450	175	5/23	5/23	6.5	79	1.08	476	523
	401 OW	6072	175	5/23	5/23	6.5	79	1.08	476	523
	104 N	5007	175	5/23	**5/23**	6.5	79	1.08	476	523
	391 N	5118	162	5/23	5/24	8.2	80	1.08	459	525
	103 N	3191	162	5/23	5/24	8.2	80	1.08	459	525
	103 N	5009	162	5/23	5/24	8.2	80	1.08	459	525
	340 N	3946	162	**5/23**	5/24	8.2	80	1.08	459	525
	103 N	4951	162	5/24	5/24	8.2	80	1.08	459	525
	103 N	4941	162	5/24	5/24	8.2	80	1.08	459	525
	112 A	6750	162	5/24	5/24	8.2	80	1.08	459	525
	103 N	5151	162	5/24	5/24	8.2	80	1.08	459	525
	103 N	5460	162	**5/24**	5/24	8.2	80	1.08	459	525
	104 N	5000	162	5/28	**5/24**	8.2	80	1.08	459	525
	137 EW	6008	192	5/28	5/29	8.8	88	1.09	507	578
	400 OW	6559	192	5/28	5/29	8.8	88	1.09	507	578
	248 N	4773	192	5/28	5/29	8.8	88	1.09	507	578
	104 N	4934	192	5/28	5/29	8.8	88	1.09	507	578
	104 N	4346	192	5/28	5/29	8.8	88	1.09	507	578
	104 N	4925	192	**5/28**	5/29	8.8	88	1.09	507	578
	388 C	5500	192	5/29	5/29	8.8	88	1.09	507	578
	103 N	5287	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	6015	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	4477	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	5411	192	5/29	5/29	8.8	88	1.09	507	578
	137 EW	6101	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	4903	192	5/29	5/29	8.8	88	1.09	507	578
	180 OW	2250	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	4568	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	5469	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	5078	192	5/29	5/29	8.8	88	1.09	507	578
	104 N	4958	192	5/29	5/29	8.8	88	1.09	507	578
	419 OW	5846	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	5734	192	5/29	5/29	8.8	88	1.09	507	578

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

7/30/2024

Signature of site Owner/Operator Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: May 2024 Page 7 of 8

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
Stroud, OK 74079 TEL: (918) 968-0730	Chandler, OK 74834 TEL: (918) 968-0730

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	327 N	4344	192	5/29	5/29	8.8	88	1.09	507	578
	327 N	5049	192	5/29	**5/29**	8.8	88	1.09	507	578
	327 N	5007	179	5/29	5/30	8.3	82	1.09	509	565
	104 N	4976	179	5/29	5/30	8.3	82	1.09	509	565
	327 N	4648	179	5/29	5/30	8.3	82	1.09	509	565
	327 N	5083	179	5/29	5/30	8.3	82	1.09	509	565
	327 N	4351	179	5/29	5/30	8.3	82	1.09	509	565
	103 N	5296	179	5/29	5/30	8.3	82	1.09	509	565
	346 N	3508	179	5/29	5/30	8.3	82	1.09	509	565
	327 N	5949	179	5/29	5/30	8.3	82	1.09	509	565
	388 C	5285	179	**5/29**	5/30	8.3	82	1.09	509	565
	103 N	5359	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	6571	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	4732	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	5060	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	5824	179	5/30	5/30	8.3	82	1.09	509	565
	112 A	5824	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	4793	179	5/30	5/30	8.3	82	1.09	509	565
	137 EW	6187	179	5/30	5/30	8.3	82	1.09	509	565
	419 OW	5910	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	4560	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	4476	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	4915	179	5/30	5/30	8.3	82	1.09	509	565
	419 OW	5807	179	5/30	5/30	8.3	82	1.09	509	565
	104 N	5139	179	5/30	5/30	8.3	82	1.09	509	565
	104 N	5289	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	5011	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	4916	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	5301	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	5900	179	5/30	5/30	8.3	82	1.09	509	565
	104 N	5713	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	4813	179	5/30	5/30	8.3	82	1.09	509	565
	327 N	5026	179	5/30	5/30	8.3	82	1.09	509	565

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: May 2024 Page 8 of 8

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
Mid-Way Environmental Services, Inc.	Mid-Way Environmental Services, Inc.
120 North 8th Avenue	900536 South 3490 Road
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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	327 N	4850	179	**5/30**	**5/30**	8.3	82	1.09	509	565
	327 N	4850	203	5/31	5/31	6	84	1.09	529	572
	104 N	5334	203	5/31	5/31	6	84	1.09	529	572
	327 N	5643	203	5/31	5/31	6	84	1.09	529	572
	327 N	5260	203	5/31	5/31	6	84	1.09	529	572
	103 N	5608	203	5/31	5/31	6	84	1.09	529	572
	327 N	5260	203	5/31	5/31	6	84	1.09	529	572
	327 N	5839	203	5/31	5/31	6	84	1.09	529	572
	327 N	4979	203	5/31	5/31	6	84	1.09	529	572
	112 A	6725	203	5/31	5/31	6	84	1.09	529	572
	327 N	4501	203	5/31	5/31	6	84	1.09	529	572
	327 N	4670	203	5/31	5/31	6	84	1.09	529	572
	327 N	4924	203	5/31	5/31	6	84	1.09	529	572
	311 N	3115	203	5/31	5/31	6	84	1.09	529	572
	104 N	5049	203	5/31	5/31	6	84	1.09	529	572
	327 N	5526	203	5/31	5/31	6	84	1.09	529	572
	327 N	5792	203	5/31	5/31	6	84	1.09	529	572
	327 N	6110	203	5/31	5/31	6	84	1.09	529	572
	327 N	6600	203	5/31	5/31	6	84	1.09	529	572
	327 N	5053	203	5/31	5/31	6	84	1.09	529	572
	327 N	4729	203	5/31	5/31	6	84	1.09	529	572
	327 N	4613	203	5/31	5/31	6	84	1.09	529	572
	327 N	5169	203	5/31	5/31	6	84	1.09	529	572
	104 N	5155	203	5/31	5/31	6	84	1.09	529	572
	104 N	5397	203	**5/31**	**5/31**	6	84	1.09	529	572

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of May

Signature of site Owner/Operator — Date: 7/30/2024

Facility Name: Mid-Way Environmental Services, Inc.
EPA ID No.: N/A
Permit No.: IW-NH-41001-OP
Date: May-24

INJECTION WELL MONTHLY REPORT

Month/Number of days any injection occurred	Well No. MES #1 May /2024	Well No. /
Part I		
VOLUME (gallons)		
Volume for month	1422143	
Cumulative Total (for the year)	5772530	
Average Daily (when injecting)	88884	
Maximum Daily	170908	
Minimum Daily (when injecting)	44621	
SURFACE INJECTION PRESSURE (psi)		
Average (when injecting)	491	
Maximum	529	
ANNULAR PRESSURE (psi)		
Average (when pressurized)	567	
Maximum	595	
Minimum (at any time)	519	
INJECTION RATE (gpm)		
Average (when injecting)	185	
Maximum	212	

Part II

AS AN ATTACHMENT, ENCLOSE THE FOLLOWING INFORMATION FOR EACH WELL

1. Describe all fluids injected during the month showing:
   - A. Origin of each injection stream;
   - B. Percent concentration of the major constituents of each injection stream, if applicable;
   - C. Physical description of each injection stream—such as color, turbidity, odor, density, viscosity, temperature;
   - D. Groundwater analysis of the deep monitor well.
2. Describe and give the results of any pertinent activities conducted during the month including, but not limited to:
   - A. Well workover operations;
   - B. Mechanical integrity tests performed (whether by operator or DEQ official);
   - C. Calibration and other maintenance of monitoring equipment.
3. Explain any unusual occurrences in the monitoring record during the month, including, but not limited to:
   - A. Breaks or inconsistencies;
   - B. Injection pressure exceeding permitted maximum;
   - C. Annular pressure drop below permitted minimum;
   - D. Maintenance to annular fluid volume or pressure.

I hereby certify that the information submitted in this and all attached documents is accurate and complete.

(Signature of authorized representative)

7/30/2024
(Date)

Orphius Mohammad, PhD., P.E., Senior Environmental Engineer
(Name and title)

918.665.6575
(Telephone)

File this report no later than 15 days after the end of the calendar quarter to:

Department of Environmental Quality
Land Protection Division
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: June 2024 Page 1 of 7

INJECTION WELL MONTHLY REPORT

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	327 N	5276	216	6/1	6/1	6	85	1.05	547	599
	327 N	5823	216	6/1	6/1	6	85	1.05	547	599
	327 N	5036	216	6/1	6/1	6	85	1.05	547	599
	327 N	5383	216	6/1	6/1	6	85	1.05	547	599
	327 N	4794	216	6/1	6/1	6	85	1.05	547	599
	327 N	4726	216	6/1	6/1	6	85	1.05	547	599
	327 N	5000	216	6/1	6/1	6	85	1.05	547	599
	327 N	5502	216	6/1	6/1	6	85	1.05	547	599
	327 N	6040	216	6/1	6/1	6	85	1.05	547	599
	327 N	5298	216	6/1	6/1	6	85	1.05	547	599
	327 N	6003	216	6/1	6/1	6	85	1.05	547	599
	327 N	4856	216	6/1	6/1	6	85	1.05	547	599
	327 N	4637	216	6/1	6/1	6	85	1.05	547	599
	327 N	5042	216	6/1	6/1	6	85	1.05	547	599
	327 N	5800	216	**6/1**	**6/1**	6	85	1.05	547	599
	327N	5663	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	5943	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	5427	188	6/3	6/3	6.6	77	1.05	510	522
	103 N	5581	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	5832	188	6/3	6/3	6.6	77	1.05	510	522
	137 EW	6060	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	4596	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	4760	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	4657	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	5006	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	5362	188	6/3	6/3	6.6	77	1.05	510	522
	327 N	5920	188	6/3	6/3	6.6	77	1.05	510	522
	104 N	5059	188	6/3	6/3	6.6	77	1.05	510	522
	112 A	6580	188	**6/3**	**6/3**	6.6	77	1.05	510	522
	104 N	4801	184	6/4	6/4	5.4	80	1.05	512	549
	327 N	5440	184	6/4	6/4	5.4	80	1.05	512	549
	327 N	5801	184	6/4	6/4	5.4	80	1.05	512	549
	327 N	4524	184	6/4	6/4	5.4	80	1.05	512	549

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Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: June 2024 Page 2 of 7

INJECTION WELL MONTHLY REPORT

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MES 1	327 N	5885	184	6/4	6/4	5.4	79	1.05	518	555
	112 A	5665	184	6/4	6/4	5.4	79	1.05	518	555
	137 EW	6266	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	4898	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	4962	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	4684	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	4850	184	6/4	6/4	5.4	79	1.05	518	555
	419 OW	6016	184	6/4	6/4	5.4	79	1.05	518	555
	388 C	4255	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	5575	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	5921	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	4446	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	5098	184	6/4	6/4	5.4	79	1.05	518	555
	104 N	5188	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	5098	184	6/4	6/4	5.4	79	1.05	518	555
	137 EW	6054	184	6/4	6/4	5.4	79	1.05	518	555
	371 N	4070	184	6/4	6/4	5.4	79	1.05	518	555
	113 OW	4486	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	5112	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	4633	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	4690	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	5900	184	6/4	6/4	5.4	79	1.05	518	555
	327 N	5536	184	**6/4**	**6/4**	5.4	79	1.05	518	555
	104 N	5325	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5553	193	6/5	6/5	5.6	80	1.05	518	556
	112 A	6650	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5818	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4999	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5183	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4530	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4767	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4709	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5263	193	6/5	6/5	5.6	80	1.05	518	556

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of June

7/30/2024

Signature of site Owner/Operator Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP

INJECTION WELL MONTHLY REPORT

Company Name, Address, Telephone	**Facility Name and Address (if different)**
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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	327 N	5775	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5905	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4740	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5201	193	6/5	6/5	5.6	80	1.05	518	556
	181 OW	3014	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4680	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4966	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4659	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5277	193	6/5	6/5	5.6	80	1.05	518	556
	388 C	5290	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	5782	193	6/5	6/5	5.6	80	1.05	518	556
	327 N	4973	193	6/5	6/5	5.6	80	1.05	518	556
	104 N	5078	193	6/5	6/5	5.6	80	1.05	518	556
	300 C	5801	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	5707	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	6019	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	5082	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	5484	193	6/6	6/6	5.9	82	1.05	509	559
	137 EW	6291	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4692	193	6/6	6/6	5.9	82	1.05	509	559
	104 N	4337	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4654	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4577	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	5087	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	5681	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4961	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4918	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	5660	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4805	193	**6/6**	6/6	5.9	82	1.05	509	559
	104 N	5231	193	6/6	6/6	5.9	82	1.05	509	559
	137 EW	6115	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4764	193	6/6	6/6	5.9	82	1.05	509	559
	327 N	4733	193	6/6	6/6	5.9	82	1.05	509	559

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Signature of site Owner/Operator — 7/30/2024 Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: June 2024 Page 4 of 7

INJECTION WELL MONTHLY REPORT

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	327 N	5057	191	6/6	6/7	7.2	85	1.05	495	591
	340 N	3769	191	6/6	6/7	7.2	85	1.05	495	591
	388 C	5345	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4854	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5669	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	6020	191	6/6	6/7	7.2	85	1.05	495	591
	112 A	5710	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5373	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4704	191	6/6	6/7	7.2	85	1.05	495	591
	432 A	5578	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4707	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4688	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4944	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5263	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5924	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5808	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4803	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5066	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5857	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4813	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4596	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	4937	191	6/6	6/7	7.2	85	1.05	495	591
	388 C	5320	191	6/6	6/7	7.2	85	1.05	495	591
	104 N	5264	191	6/6	6/7	7.2	85	1.05	495	591
	327 N	5908	191	6/7	6/7	7.2	85	1.05	495	591
	300 C	5735	188	6/10	6/11	5.9	84	1.05	466	558
	103 N	5338	188	6/10	6/11	5.9	84	1.05	466	558
	103 N	5478	188	6/10	6/11	5.9	84	1.05	466	558
	137 EW	6132	188	6/10	6/11	5.9	84	1.05	466	558
	104 N	4887	188	6/10	6/11	5.9	84	1.05	466	558
	107 OW	3558	188	6/10	6/11	5.9	84	1.05	466	558
	137 EW	6121	188	6/10	6/11	5.9	84	1.05	466	558
	104 N	4912	188	6/10	6/11	5.9	84	1.05	466	558

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of June

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
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INJECTION WELL MONTHLY REPORT

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	103 N	5523	188	6/10	6/11	5.9	86	1.05	490	562
	103 N	5344	188	6/10	6/11	5.9	86	1.05	490	562
	104 N	4843	188	6/10	6/11	5.9	86	1.05	490	562
	293 OW	4493	188	6/11	6/11	5.9	86	1.05	490	562
	137 EW	5969	188	6/11	6/11	5.9	86	1.05	490	562
	112 A	6580	188	6/11	6/11	5.9	86	1.05	490	562
	104 N	4955	188	6/11	6/11	5.9	86	1.05	490	562
	104 N	5220	188	6/11	6/11	5.9	86	1.05	490	562
	104 N	5002	188	6/11	6/11	5.9	86	1.05	490	562
	103 N	5299	188	6/11	6/11	5.9	86	1.05	490	562
	419 OW	6071	188	6/11	6/11	5.9	86	1.05	490	562
	103 N	4878	196	6/12	6/13	6	84	1.09	493	562
	103 N	5438	196	6/12	6/13	6	84	1.09	493	562
	104 N	5127	196	6/12	6/13	6	84	1.09	493	562
	388 C	5334	196	6/12	6/13	6	84	1.09	493	562
	103 N	4884	196	6/12	6/13	6	84	1.09	493	562
	103 N	5525	196	6/12	6/13	6	84	1.09	493	562
	103 N	5258	196	6/12	6/13	6	84	1.09	493	562
	103 N	5147	196	6/12	6/13	6	84	1.09	493	562
	419 OW	5948	196	6/13	6/13	6	84	1.09	493	562
	137 EW	6172	196	6/13	6/13	6	84	1.09	493	562
	103 N	5443	196	6/13	6/13	6	84	1.09	493	562
	104 N	4954	196	6/13	6/13	6	84	1.09	493	562
	104 N	5162	196	6/13	6/13	6	84	1.09	493	562
	137 EW	6200	196	6/13	6/13	6	84	1.09	493	562
	340 N	4134	196	6/13	6/13	6	84	1.09	493	562
	388 C	5101	196	6/13	6/13	6	84	1.09	493	562
	419 OW	6024	176	6/14	6/14	7.2	83	1.10	483	578
	103 N	5382	176	6/14	6/14	7.2	83	1.10	483	578
	419 OW	5729	176	6/14	6/14	7.2	83	1.10	483	578
	432 A	5814	176	6/14	6/14	7.2	83	1.10	483	578
	104 N	4948	176	6/14	6/14	7.2	83	1.10	483	578
	254 OW	3750	176	6/14	6/14	7.2	83	1.10	483	578

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of June

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
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Date: June 2024 Page 6 of 7

INJECTION WELL MONTHLY REPORT

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	103 N	5340	176	6/14	6/14	7.2	83	1.10	483	578
	104 N	4942	189	6/17	6/20	8.1	94	1.10	483	570
	104 N	4791	189	6/17	6/20	8.1	94	1.10	483	570
	104 N	5050	189	6/17	6/20	8.1	94	1.10	483	570
	388 C	5380	189	6/17	6/20	8.1	94	1.10	483	570
	137 EW	6274	189	6/18	6/20	8.1	94	1.10	483	570
	137 EW	6253	189	6/18	6/20	8.1	94	1.10	483	570
	104 N	5050	189	6/18	6/20	8.1	94	1.10	483	570
	388 C	5433	189	6/18	6/20	8.1	94	1.10	483	570
	104 N	5325	189	6/19	6/20	8.1	94	1.10	483	570
	137 EW	6353	189	6/19	6/20	8.1	94	1.10	483	570
	180 OW	2971	189	6/19	6/20	8.1	94	1.10	483	570
	104 N	5064	189	6/19	6/20	8.1	94	1.10	483	570
	340 N	3777	189	6/19	6/20	8.1	94	1.10	483	570
	419 OW	5975	189	6/19	6/20	8.1	94	1.10	483	570
	388 C	5422	189	6/19	6/20	8.1	94	1.10	483	570
	104 N	4850	189	6/20	6/20	8.1	94	1.10	483	570
	112 A	6735	185	6/21	6/21	8.1	83	1.10	495	572
	103 N	5444	185	6/21	6/21	8.1	83	1.10	495	572
	388 C	5570	185	6/21	6/21	8.1	83	1.10	495	572
	103 N	5440	185	6/21	6/21	8.1	83	1.10	495	572
	419 OW	5689	185	6/21	6/21	8.1	83	1.10	495	572
	103 N	5442	185	6/21	6/21	8.1	83	1.10	495	572
	112 A	6775	185	6/21	6/21	8.1	83	1.10	495	572
	432 A	5871	185	6/21	6/21	8.1	83	1.10	495	572
	371 N	4068	185	6/21	6/21	8.1	83	1.10	495	572
	103 N	5350	185	6/21	6/21	8.1	83	1.10	495	572
	103 N	5508	185	6/21	6/21	8.1	83	1.10	495	572
	103 N	5353	148	**6/24**	6/25	5.9	99	1.08	482	576
	137 EW	6128	148	6/24	6/25	5.9	99	1.08	482	576
	112 A	6742	148	6/24	6/25	5.9	99	1.08	482	576
	137 EW	6245	148	6/24	6/25	5.9	99	1.08	482	576
	103 N	5503	148	6/24	6/25	5.9	99	1.08	482	576

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of June

Signature of site Owner/Operator

7/30/2024
Date

DEQ
OKLAHOMA
DEPARTMENT OF ENVIRONMENTAL QUALITY

EPA ID No.: NA
Permit No.: IW-NH-41001-OP
Date: June 2024 Page 7 of 7

INJECTION WELL MONTHLY REPORT

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Well Number	Disposal Plan Number	Volume Injected (gallons)	Flow Rate (gpm)	Date Received	Date Injected	pH	Temp. (F)	Specific Gravity	Injection Pressure (psi)	Annular Pressure (psi)
MES 1	254 OW	4300	148	6/24	6/25	5.9	99	1.08	482	576
	419 OW	5801	148	6/25	6/25	5.9	99	1.08	482	576
	112 A	6625	148	6/25	6/25	5.9	99	1.08	482	576
	137 EW	6150	148	6/25	6/25	5.9	99	1.08	482	576
	419 OW	5868	148	6/25	6/25	5.9	99	1.08	482	576
	185 OW	4451	148	6/25	6/25	5.9	99	1.08	482	576
	137 EW	6188	148	6/25	6/25	5.9	99	1.08	482	576
	103 N	5535	152	6/25	6/27	8.1	95	1.05	508	566
	388 C	5408	152	6/25	6/27	8.1	95	1.05	508	566
	104 N	5126	152	6/26	6/27	8.1	95	1.05	508	566
	419 OW	5724	152	6/26	6/27	8.1	95	1.05	508	566
	137 EW	6126	152	6/26	6/27	8.1	95	1.05	508	566
	181 OW	2550	152	6/26	6/27	8.1	95	1.05	508	566

I hearby certify that this record is correct and accurate to the best of my knowledge, and lists all waste received by this site for the month of June

Signature of site Owner/Operator — Date: 7/30/2024

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

Facility Name: Mid-Way Environmental Services, Inc.
EPA ID No.: N/A
Permit No.: IW-NH-41001-OP
Date: June-24

INJECTION WELL MONTHLY REPORT

Month/Number of days any injection occurred	Well No. MES #1 June /2024	Well No. /
Part I		
VOLUME (gallons)		
Volume for month	1158969	
Cumulative Total (for the year)	6931499	
Average Daily (when injecting)	89151	
Maximum Daily	139932	
Minimum Daily (when injecting)	30500	
SURFACE INJECTION PRESSURE (psi)		
Average (when injecting)	502	
Maximum	547	
ANNULAR PRESSURE (psi)		
Average (when pressurized)	567	
Maximum	599	
Minimum (at any time)	522	
INJECTION RATE (gpm)		
Average (when injecting)	182	
Maximum	216	

Part II

AS AN ATTACHMENT, ENCLOSE THE FOLLOWING INFORMATION FOR EACH WELL

1. Describe all fluids injected during the month showing:
   - A. Origin of each injection stream;
   - B. Percent concentration of the major constituents of each injection stream, if applicable;
   - C. Physical description of each injection stream—such as color, turbidity, odor, density, viscosity, temperature;
   - D. Groundwater analysis of the deep monitor well.
2. Describe and give the results of any pertinent activities conducted during the month including, but not limited to:
   - A. Well workover operations;
   - B. Mechanical integrity tests performed (whether by operator or DEQ official);
   - C. Calibration and other maintenance of monitoring equipment.
3. Explain any unusual occurrences in the monitoring record during the month, including, but not limited to:
   - A. Breaks or inconsistencies;
   - B. Injection pressure exceeding permitted maximum;
   - C. Annular pressure drop below permitted minimum;
   - D. Maintenance to annular fluid volume or pressure.

I hereby certify that the information submitted in this and all attached documents is accurate and complete.

(Signature of authorized representative)

7/30/2024
(Date)

Orphius Mohammad, PhD., P.E., Senior Environmental Engineer
(Name and title)

918.665.6575
(Telephone)

File this report no later than 15 days after the end of the calendar quarter to:

Department of Environmental Quality
Land Protection Division
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

APPENDIX C

GROUNDWATER MONITORING

Table 1: Summary of Detected Parameters									
Parameter	MW-1 (Downgradient)			MW-2 (Upgradient)			MW-3 (Downgradient)		
Date	4/9/2024	5/22/2024	6/13/2024	4/9/2024	5/22/2024	6/13/2024	4/9/2024	5/22/2024	6/13/2024
TOC Elev. (ft. MSL)	885.3			873.7			876.2		
Depth to Water (ft.)	61.40	61.21	61.12	49.65	49.54	49.45	52.01	52.08	52.85
Groundwater Elev. (ft. MSL)	823.90	824.09	824.18	824.05	824.16	824.25	824.19	824.12	823.35
Specific Gravity	0.9984	0.9965	0.9967	0.9967	0.9961	0.9960	0.9973	0.9956	0.9960
Specific Conductivity	1,180	1,200	1,160	674	731	1,080	833	774	905
Lab pH	9.5	8.1	8.77	8.17	7.32	8.01	7.47	6.72	7.41
Total Dissolved Solids	729	716	729	420	504	663	513	484	636
Total Organic Carbon	15	22.8	20.1	13.8	17.2	13.3	8.5	12.8	26.5

Table 1 Continued: Summary of Detected Parameters									
Parameter	MW-4 (Downgradient)			MW-5 (Downgradient)			DMW-2 (Deep Well)		
Date	4/9/2024	5/22/2024	6/13/2024	4/9/2024	5/22/2024	6/13/2024	4/9/2024	5/22/2024	6/13/2024
TOC Elev. (ft. MSL)	874.6			878.1			878.1		
Depth to Water (ft.)	50.73	50.55	50.50	55.06	54.86	54.79	67.54	67.48	67.59
Groundwater Elev. (ft. MSL)	823.87	824.05	824.10	823.04	823.24	823.31	810.56	810.62	810.51
Specific Gravity	0.9972	0.9962	0.9959	0.9976	0.9963	0.9968	1.0160	1.0150	1.0150
Specific Conductivity	1,110	1,070	1,090	2,220	1,940	2,050	42,300	33,000	37,900
Lab pH	8.97	7.94	8.42	8.81	8.5	8.91	7.68	8.12	7.48
Total Dissolved Solids	610	735	556	1,240	1,270	2,050	24,800	24,600	23,500
Total Organic Carbon	16.6	24.8	7.2	12.6	12.3	6.1	4.1	7	3.4

All parameters in milligrams per Liter (mg/L or parts per million) except pH (in Standard Units) and Specific Conductivity (in µmhos/cm)
NA - Not Analyzed

FIELD WATER QUALITY SAMPLING AND ANAYLSIS DATA SHEET

PROJECT NAME: Mid-Way Monthly PROJECT NO: 1706-0046-001

SAMPLER NAME: Ed Van Schaik PERSON PRESENT: Brian Vasquez

WEATHER: Cloudy AIR TEMP: 50's LAST PRECIPT.:

LOCATION (STATION NO.)	MW-1	MW-2	MW-3	MW-4
WELL CONDITION	Good	Good	Good	Good
DATE AND TIME WATER LEVEL MEASURED	4-9-24 1120	4-9-24 1135	4-9-24 1130	4-9-24 1140
DATE AND TIME PURGED	4-9-24 1210	4-9-24 1250	4-9-24 1230	4-9-24 1150
DATE AND TIME SAMPLED	4-10-24 1130	4-10-24 1200	4-10-24 1145	4-10-24 1215
SAMPLING METHOD	Bailer	Bailer	Bailer	Bailer
TOP OF CASING ELEV.	885.3	873.7	876.2	874.6
DEPTH TO WATER (DTW)	61.40	49.65	52.01	50.73
TOTAL DEPTH (TD)	117.2	102.9	101.7	114.7
REQUIRED PURGE VOLUME	30.79 gal	29.54 gal	27.80 gal	34.78 gal
VOLUME PURGED	±27.0 gal	±26.0 gal	±24.0 gal	±30.0 gal
THICKNESS OF NAPL/DNAPL	None	None	None	None
SUBSTANCE ON WATER	None	None	None	None
SAMPLING TEMP.	16.9	17.6	17.7	17.0
SAMPLING pH (INST. NAME)	8.99	7.67	6.89	8.67
SAMPLING SPEC. COND (INST. NAME)	1235 µS/cm	701 µS/cm	863 µS/cm	1140 µS/cm
COLOR	Clear	Clear	Clear	Clear
ODOR	None	None	None	None
SEDIMENT	None	None	None	None
FIELD TREATMENT PRESERVATION	Pre-Preserved	Pre-Preserved	Pre-Preserved	Pre-Preserved
PURGING/SAMPLING PLAN AND PROCEDURES FOLLOWED?	Yes	Yes	Yes	Yes
OTHER				

NOTE:

Volume calculation: 2" – 0.163 gal/ft, 3" – 0.367 gal/ft, 4" – 0.653 gal/ft {[(TD-DTW) x gal/ft] x 3} + 3.5 gal = volume to evac.

FIELD WATER QUALITY SAMPLING AND ANAYLSIS DATA SHEET

PROJECT NAME: Mid-Way Monthly PROJECT NO: 1706-0046-001

SAMPLER NAME: Ed Van Schaik PERSON PRESENT: _____

WEATHER: Cloudy AIR TEMP: 50's LAST PRECIPT.: Brian Vasquez

LOCATION (STATION NO.)	MW-5	DMW-2		
WELL CONDITION	Good	Good		
DATE AND TIME WATER LEVEL MEASURED	4-9-24 1125	4-9-24 1115		
DATE AND TIME PURGED	4-9-24 1210	4-9-24 1150		
DATE AND TIME SAMPLED	4-10-24 1135	4-10-24 1115		
SAMPLING METHOD	Bailer	Bailer		
TOP OF CASING ELEV.	878.10			
DEPTH TO WATER (DTW)	55.06	67.54		
TOTAL DEPTH (TD)	124.0	253.0		
REQUIRED PURGE VOLUME	37.21 gal	—		
VOLUME PURGED	±33.0 gal	—		
THICKNESS OF NAPL/DNAPL	None	None		
SUBSTANCE ON WATER	None	None		
SAMPLING TEMP.	16.5 16.5	17.02		
SAMPLING pH (INST. NAME)	8.83 8.84	7.05		
SAMPLING SPEC. COND (INST. NAME)	1,953 uS/cm	OR		
COLOR	Clear	Clear		
ODOR	None	None		
SEDIMENT	None	None		
FIELD TREATMENT PRESERVATION	Pre-Preserved	Pre-Preserved		
PURGING/SAMPLING PLAN AND PROCEDURES FOLLOWED?	Yes	Yes		
OTHER				

NOTE: _____

Volume calculation: 2" – 0.163 gal/ft, 3" – 0.367 gal/ft, 4" – 0.653 gal/ft {[(TD-DTW) x gal/ft] x 3} + 3.5 gal = volume to evac.

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

April 18, 2024

Ed Van Schaik
A & M Engineering
10010 E. 16th St.
Tulsa, OK 74128-4813
TEL:
FAX:

RE: Midway Monthly

Order No.: 2404231

Dear Ed Van Schaik:

Green Country Testing, Inc. received 6 sample(s) on 4/11/2024 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,

Brian Duzan
Laboratory Director

CC:
Monty Bruner

Original

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#: **2404231**

Date Reported: **4/18/2024**

CLIENT: A & M Engineering **Lab Order:** 2404231

Project: Midway Monthly

Lab ID: 2404231-001 **Collection Date:** 4/10/2024 11:30:00 AM

Client Sample ID: MW-1 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,180	2.00		µmhos/cm	2	4/15/2024 4:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	9.50	0.100	H	pH Units	1	4/12/2024 3:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9984	0.01000		g/cc @ 4°C	1	4/12/2024 2:50:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	729	10		mg/L	1	4/16/2024 11:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	15.0	3.0		mg/L	1	4/12/2024 7:53:00 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#: **2404231**

Date Reported: **4/18/2024**

CLIENT: A & M Engineering **Lab Order:** 2404231

Project: Midway Monthly

Lab ID: 2404231-002 **Collection Date:** 4/10/2024 12:00:00 PM

Client Sample ID: MW-2 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	674	1.00		µmhos/cm	1	4/15/2024 4:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.17	0.100	H	pH Units	1	4/12/2024 3:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9967	0.01000		g/cc @ 4°C	1	4/12/2024 2:50:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	420	10		mg/L	1	4/16/2024 11:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	13.8	3.0		mg/L	1	4/12/2024 7:53:00 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#: **2404231**

Date Reported: **4/18/2024**

CLIENT: A & M Engineering **Lab Order:** 2404231

Project: Midway Monthly

Lab ID: 2404231-003 **Collection Date:** 4/10/2024 11:45:00 AM

Client Sample ID: MW-3 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	833	1.00		µmhos/cm	1	4/15/2024 4:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.47	0.100	H	pH Units	1	4/12/2024 3:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9973	0.01000		g/cc @ 4°C	1	4/12/2024 2:50:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	513	10		mg/L	1	4/16/2024 11:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	8.5	3.0		mg/L	1	4/12/2024 7:53:00 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#: **2404231**

Date Reported: **4/18/2024**

CLIENT: A & M Engineering **Lab Order:** 2404231

Project: Midway Monthly

Lab ID: 2404231-004 **Collection Date:** 4/10/2024 12:15:00 PM

Client Sample ID: MW-4 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,110	2.00		µmhos/cm	2	4/15/2024 4:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.97	0.100	H	pH Units	1	4/12/2024 3:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9972	0.01000		g/cc @ 4°C	1	4/12/2024 2:50:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	610	10		mg/L	1	4/16/2024 11:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	16.6	3.0		mg/L	1	4/12/2024 7:53:00 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#: **2404231**

Date Reported: **4/18/2024**

CLIENT: A & M Engineering **Lab Order:** 2404231

Project: Midway Monthly

Lab ID: 2404231-005 **Collection Date:** 4/10/2024 11:35:00 AM

Client Sample ID: MW-5 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	2,220	4.00		µmhos/cm	4	4/15/2024 4:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.81	0.100	H	pH Units	1	4/12/2024 3:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9976	0.01000		g/cc @ 4°C	1	4/12/2024 2:50:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	1,240	10		mg/L	1	4/16/2024 11:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	12.6	3.0		mg/L	1	4/12/2024 7:53:00 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#: **2404231**

Date Reported: **4/18/2024**

CLIENT: A & M Engineering **Lab Order:** 2404231

Project: Midway Monthly

Lab ID: 2404231-006 **Collection Date:** 4/10/2024 11:15:00 AM

Client Sample ID: DMW-2 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	42,300	100		µmhos/cm	100	4/15/2024 4:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.68	0.100	H	pH Units	1	4/12/2024 3:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	1.016	0.01000		g/cc @ 4°C	1	4/12/2024 2:50:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	24,800	10		mg/L	1	4/16/2024 11:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	4.1	3.0		mg/L	1	4/12/2024 7:53:00 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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QC SUMMARY REPORT

WO#: **2404231**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **4500H+B,2011**

Sample ID: **LCS-R68066** SampType: **LCS** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68066**
Client ID: **LCSW** Batch ID: **R68066** TestNo: **4500H+B,201** Analysis Date: **4/12/2024** SeqNo: **765148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.91	0.100	9.000	0	99.0	80	120				

Sample ID: **2404044-001ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68066**
Client ID: **BatchQC** Batch ID: **R68066** TestNo: **4500H+B,201** Analysis Date: **4/12/2024** SeqNo: **765150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.30	0.100						6.310	0.159	0.546	H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404231**
18-Apr-24

Client: A & M Engineering
Project: Midway Monthly
TestNo: **A2540 C-2015**

Sample ID: **MB-R68105** SampType: **MBLK** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68105**
Client ID: **PBW** Batch ID: **R68105** TestNo: **A2540 C-2015** Analysis Date: **4/16/2024** SeqNo: **766296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	< 10	10									

Sample ID: **LCS-R68105** SampType: **LCS** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68105**
Client ID: **LCSW** Batch ID: **R68105** TestNo: **A2540 C-2015** Analysis Date: **4/16/2024** SeqNo: **766297**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,020	10	1,000	0	102	80	120				

Sample ID: **2404239-002ADUP** SampType: **DUP** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68105**
Client ID: **BatchQC** Batch ID: **R68105** TestNo: **A2540 C-2015** Analysis Date: **4/16/2024** SeqNo: **766306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,980	10						2,062	4	5	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404231**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **A5310 B-2014**

Sample ID: **MB-R68078**	SampType: **MBLK**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **68078**
Client ID: **PBW**	Batch ID: **R68078**	TestNo: **A5310 B-2014**		Analysis Date: **4/12/2024**	SeqNo: **765316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	< 3.0	3.0									

Sample ID: **LCS-R68078**	SampType: **LCS**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **68078**
Client ID: **LCSW**	Batch ID: **R68078**	TestNo: **A5310 B-2014**		Analysis Date: **4/12/2024**	SeqNo: **765317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.1	3.0	25.0	0	96.4	85	115				

Sample ID: **LCS-R68078DUP**	SampType: **DUP**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **68078**
Client ID: **BatchQC**	Batch ID: **R68078**	TestNo: **A5310 B-2014**		Analysis Date: **4/12/2024**	SeqNo: **765318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.9	3.0	25.0	0	99.7	0	0	24.1	3.4	20	S

Sample ID: **2404243-001BMS**	SampType: **MS**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **68078**
Client ID: **BatchQC**	Batch ID: **R68078**	TestNo: **A5310 B-2014**		Analysis Date: **4/12/2024**	SeqNo: **765320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	43.3	3.0	20.0	40.5	14.2	47	131				S

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404231**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **A5310 B-2014**

Sample ID: **2404243-001BMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	48.2	3.0	20.0	40.5	38.8	47	131	43.3	10.8	7.72	RS

Sample ID: **2404228-011EMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	23.2	3.0	20.0	12.5	53.8	47	131				

Sample ID: **2404228-011EMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68078**
Client ID: **BatchQC** Batch ID: **R68078** TestNo: **A5310 B-2014** Analysis Date: **4/12/2024** SeqNo: **765330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	26.6	3.0	20.0	12.5	70.4	47	131	23.2	13.4	7.72	R

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404231**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **ASTM-D1429**

Sample ID: **2404231-001ADUP** SampType: **DUP** TestCode: **SP_GR** Units: **g/cc @ 4°C** Prep Date: RunNo: **68059**
Client ID: **MW-1** Batch ID: **R68059** TestNo: **ASTM-D1429** Analysis Date: **4/12/2024** SeqNo: **765060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	0.9973	0.01000						0.9984	0.110	0.723	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2404231**

18-Apr-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **E120.1, 1982**

Sample ID: **LCS-R68099**	SampType: **LCS**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68099**
Client ID: **LCSW**	Batch ID: **R68099**	TestNo: **E120.1, 1982**		Analysis Date: **4/15/2024**	SeqNo: **765569**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	104	1.00	100.0	0	104	80	120				

Sample ID: **2404201-002ADUP**	SampType: **DUP**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68099**
Client ID: **BatchQC**	Batch ID: **R68099**	TestNo: **E120.1, 1982**		Analysis Date: **4/15/2024**	SeqNo: **765571**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	4,040	10.0						4,020	0.496	1.64	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

Green Country TESTING

Chain of Custody Record

Laboratory Number: 2404231

Client Information:	Billing Information:	PO Number:	Project Name/Number:
Company Name: A+M Engineering		1706-0046-001	Mid-Way Monthly
Contact Name: Ed Van Schaik		Quote Number:	Sampler's Signature: Ed Van Schaik
Address:		Required QC Level: Std	Shipping Method: UPS / FedEx / Air / Hand / GCT / Mail
City, State Zip:		Bill Monthly: ☐Yes ☐No	Page 1 of 1
Phone Number: 918-856-6247 Ext:233	Ext:		Turn Time: ☐1 Day ☐2 Day ☒Standard ☐Other (Rush turn times will incur a surcharge.)
Fax Number:			
E-mail Address:			

Which Regulations Apply: ☐RCRA ☐Drinking Water ☐POTW ☐Distribution ☐NPDES ☐Special ☐USDA/FDA ☐State ☐RECAP/RISC ☐Other

Matrix Code: AQ = Aqueous, DW = Drinking, WW = Waste, MW = Monit. Well, LQ = Liquid, SO = Soil, O = Oil, SL = Sludge, F = Food, SW = Swab, SOL = Solid

Sample ID/Description	Date	Time	Grab / Composite	Matrix	Container Number	Container Type (P=Plastic, G=Glass, V=Vial)	Pres. (HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$)	Requested Tests: pH	Sp. Cond.	Sp. Gravity	TDS	TOC	Comments
MW-1	4-10-24	1130	G	AQ	2	P, G		X	X	X	X	X	
MW-2	4-10-24	1200	G	AQ	2	P, G		X	X	X	X	X	
MW-3	4-10-24	1145	G	AQ	2	P, G		X	X	X	X	X	
MW-4	4-10-24	1215	G	AQ	2	P, G		X	X	X	X	X	
MW-5	4-10-24	1135	G	AQ	2	P, G		X	X	X	X	X	
DMW-2	4-10-24	1115	G	AQ	2	P, G		X	X	X	X	X	

	Relinquished by	Date/Time	Received by	Date/Time
1	Ed Van Schaik	4-11-24 1010		4/11/24 10:10
2				
3				
4				

Field Notes:

Received on ice? ☒Yes ☐No

Temp: 4°

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.

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Part 1 – Laboratory Copy • Part 2 – Report Copy • Part 3 – Client's Copy

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
1 OF 1 PAGES

FIELD WATER QUALITY SAMPLING AND ANAYLSIS DATA SHEET

PROJECT NAME: Mid-Way Monthly PROJECT NO: 1706-0046-001

SAMPLER NAME: Ed Van Schaik PERSON PRESENT: Corbin Joyner

WEATHER: Cloudy AIR TEMP: 70's LAST PRECIPT.:

LOCATION (STATION NO.)	MW-1	MW-2	MW-3	MW-4
WELL CONDITION	Good	Good	Good	Good
DATE AND TIME WATER LEVEL MEASURED	5-22-24 1205	5-22-24 1145	5-22-24 1220	5-22-24 1155
DATE AND TIME PURGED	5-22-24 1310	5-22-24 1245	5-22-24 1330	5-22-24 1245
DATE AND TIME SAMPLED	5-23-24 1220	5-23-24 0300	5-23-24 1250	5-23-24 1310
SAMPLING METHOD	Bailer	Bailer	Bailer	Bailer
TOP OF CASING ELEV.	885.3	873.7	876.2	874.6
DEPTH TO WATER (DTW)	61.21	49.54	52.08	50.55
TOTAL DEPTH (TD)	117.2	102.9	101.7	114.7
REQUIRED PURGE VOLUME	30.88 gal	29.59 gal	27.76 gal	34.87 gal
VOLUME PURGED	±26.0 gal	± 26.0 gal	±24.0 gal	± 30.0 gal
THICKNESS OF NAPL/DNAPL	None	None	None	None
SUBSTANCE ON WATER	None	None	None	None
SAMPLING TEMP.	20.9	20.5	19.8	20.4
SAMPLING pH (INST. NAME)	9.84	7.60	7.00	8.59
SAMPLING SPEC. COND (INST. NAME)	1,240 ms/cm	774 ms/cm	810 ms/cm	1,118 ms/cm
COLOR	Clear	Clear	V. Sl. Turbid	Clear
ODOR	None	None	None	None
SEDIMENT	None	None	None	None
FIELD TREATMENT PRESERVATION	Pre-Preserved	Pre-Preserved	Pre-Preserved	Pre-Preserved
PURGING/SAMPLING PLAN AND PROCEDURES FOLLOWED?	yes	yes	yes	yes
OTHER				

NOTE:

Volume calculation: 2" – 0.163 gal/ft, 3" – 0.367 gal/ft, 4" – 0.653 gal/ft {[(TD-DTW) x gal/ft] x 3} + 3.5 gal = volume to evac.

FIELD WATER QUALITY SAMPLING AND ANAYLSIS DATA SHEET

PROJECT NAME: Mid-Way Monthly PROJECT NO: 1706-0046-001

SAMPLER NAME: Ed Van Schaik PERSON PRESENT: Corbin Joynes

WEATHER: Cloudy AIR TEMP: 70's LAST PRECIPT.:

LOCATION (STATION NO.)	MW-5	DMW-2		
WELL CONDITION	Good	Good		
DATE AND TIME WATER LEVEL MEASURED	5-22-24 1215	5-22-24 1135		
DATE AND TIME PURGED	5-22-24 1330	5-22-24 1310		
DATE AND TIME SAMPLED	5-23-24 1240	5-23-24 1210		
SAMPLING METHOD	Bailer	Bailer		
TOP OF CASING ELEV.	878.10			
DEPTH TO WATER (DTW)	54.88	67.48		
TOTAL DEPTH (TD)	124.0	253.0		
REQUIRED PURGE VOLUME	37.30 gal	—		
VOLUME PURGED	±32.0 gal	—		
THICKNESS OF NAPL/DNAPL	None	None		
SUBSTANCE ON WATER	None	None		
SAMPLING TEMP.	20.1 20.1	19.5		
SAMPLING pH (INST. NAME)	9.63 9.63	7.24		
SAMPLING SPEC. COND (INST. NAME)	2,030 uS/cm	OR		
COLOR	Clear	Clear		
ODOR	None	None		
SEDIMENT	None	None		
FIELD TREATMENT PRESERVATION	Pre-Preserved	Pre-Preserved		
PURGING/SAMPLING PLAN AND PROCEDURES FOLLOWED?	Yes	Yes		
OTHER				

NOTE:

Volume calculation: 2" – 0.163 gal/ft, 3" – 0.367 gal/ft, 4" – 0.653 gal/ft {[(TD-DTW) x gal/ft] x 3} + 3.5 gal = volume to evac.

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May 31, 2024

Ed Van Schaik
A & M Engineering
10010 E. 16th St.
Tulsa, OK 74128-4813
TEL:
FAX:

RE: Midway Monthly

Order No.: 2405493

Dear Ed Van Schaik:

Green Country Testing, Inc. received 6 sample(s) on 5/23/2024 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,

Brian Duzan
Laboratory Director

CC:
Monty Bruner

Original

Green Country Testing, Inc.
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Analytical Report

(continuous)

WO#: **2405493**

Date Reported: **5/31/2024**

CLIENT: A & M Engineering **Lab Order:** 2405493

Project: Midway Monthly

Lab ID: 2405493-001 **Collection Date:** 5/23/2024 12:20:00 PM

Client Sample ID: MW-1 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,200	2.00		µmhos/cm	2	5/30/2024 2:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.10	0.100	H	pH Units	1	5/30/2024 12:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9965	0.01000		g/cc @ 4°C	1	5/31/2024 2:30:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	716	10		mg/L	1	5/28/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	22.8	3.0		mg/L	1	5/29/2024 7:28:00 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#: **2405493**

Date Reported: **5/31/2024**

CLIENT: A & M Engineering **Lab Order:** 2405493

Project: Midway Monthly

Lab ID: 2405493-002 **Collection Date:** 5/23/2024 1:00:00 PM

Client Sample ID: MW-2 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	731	1.00		µmhos/cm	1	5/30/2024 2:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.32	0.100	H	pH Units	1	5/30/2024 12:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9961	0.01000		g/cc @ 4°C	1	5/31/2024 2:30:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	504	10		mg/L	1	5/28/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	17.2	3.0		mg/L	1	5/29/2024 7:28:00 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#: **2405493**

Date Reported: **5/31/2024**

CLIENT: A & M Engineering **Lab Order:** 2405493

Project: Midway Monthly

Lab ID: 2405493-003 **Collection Date:** 5/23/2024 12:50:00 PM

Client Sample ID: MW-3 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	774	1.00		µmhos/cm	1	5/30/2024 2:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	6.72	0.100	H	pH Units	1	5/30/2024 12:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9956	0.01000		g/cc @ 4°C	1	5/31/2024 2:30:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	484	10		mg/L	1	5/28/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	12.8	3.0		mg/L	1	5/29/2024 7:28:00 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#: **2405493**

Date Reported: **5/31/2024**

CLIENT: A & M Engineering **Lab Order:** 2405493

Project: Midway Monthly

Lab ID: 2405493-004 **Collection Date:** 5/23/2024 1:15:00 PM

Client Sample ID: MW-4 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,070	2.00		µmhos/cm	2	5/30/2024 2:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.94	0.100	H	pH Units	1	5/30/2024 12:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9962	0.01000		g/cc @ 4°C	1	5/31/2024 2:30:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	735	10		mg/L	1	5/28/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	24.8	3.0		mg/L	1	5/29/2024 7:28:00 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#: **2405493**

Date Reported: **5/31/2024**

CLIENT: A & M Engineering **Lab Order:** 2405493

Project: Midway Monthly

Lab ID: 2405493-005 **Collection Date:** 5/23/2024 12:40:00 PM

Client Sample ID: MW-5 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,940	2.00		µmhos/cm	2	5/30/2024 2:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.50	0.100	H	pH Units	1	5/30/2024 12:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	0.9963	0.01000		g/cc @ 4°C	1	5/31/2024 2:30:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	1,270	10		mg/L	1	5/28/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	12.3	3.0		mg/L	1	5/29/2024 7:28:00 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#: **2405493**

Date Reported: **5/31/2024**

CLIENT: A & M Engineering **Lab Order:** 2405493

Project: Midway Monthly

Lab ID: 2405493-006 **Collection Date:** 5/23/2024 12:10:00 PM

Client Sample ID: DMW-2 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	33,000	100		µmhos/cm	100	5/30/2024 2:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.12	0.100	H	pH Units	1	5/30/2024 12:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **DW**
Specific Gravity	1.015	0.01000		g/cc @ 4°C	1	5/31/2024 2:30:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	24,600	10		mg/L	1	5/28/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	7.0	3.0		mg/L	1	5/29/2024 7:28:00 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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QC SUMMARY REPORT

WO#: **2405493**

31-May-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **4500H+B,2011**

Sample ID: **2405493-006ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68878**
Client ID: **DMW-2** Batch ID: **R68878** TestNo: **4500H+B,201** Analysis Date: **5/30/2024** SeqNo: **775366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.13	0.100						8.120	0.123	0.546	H

Sample ID: **2405517-002ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **68878**
Client ID: **BatchQC** Batch ID: **R68878** TestNo: **4500H+B,201** Analysis Date: **5/30/2024** SeqNo: **775370**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.92	0.100						6.920	0	0.546	H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405493**

31-May-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **A2540 C-2015**

Sample ID: **MB-R68794** SampType: **MBLK** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68794**
Client ID: **PBW** Batch ID: **R68794** TestNo: **A2540 C-2015** Analysis Date: **5/28/2024** SeqNo: **774779**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	< 10	10									

Sample ID: **LCS-R68794** SampType: **LCS** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68794**
Client ID: **LCSW** Batch ID: **R68794** TestNo: **A2540 C-2015** Analysis Date: **5/28/2024** SeqNo: **774780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,040	10	1,000	0	104	80	120				

Sample ID: **2405414-002ADUP** SampType: **DUP** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **68794**
Client ID: **BatchQC** Batch ID: **R68794** TestNo: **A2540 C-2015** Analysis Date: **5/28/2024** SeqNo: **774782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,770	10						1,583	11	5	R

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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Website: www.greencountrytesting.com

QC SUMMARY REPORT

WO#: **2405493**
31-May-24

Client: A & M Engineering
Project: Midway Monthly
TestNo: **A5310 B-2014**

Sample ID: **MB-R68841** SampType: **MBLK** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **PBW** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	< 3.0	3.0									

Sample ID: **LCS-R68841** SampType: **LCS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **LCSW** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.6	3.0	25.0	0	98.3	85	115				

Sample ID: **2405416-003BMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774876**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	29.2	3.0	20.0	20.6	43.2	47	131				S

Sample ID: **2405416-003BMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	31.2	3.0	20.0	20.6	53.4	47	131	29.2	6.8	7.72	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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

QC SUMMARY REPORT

WO#: **2405493**

31-May-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **A5310 B-2014**

Sample ID: **2405487-001BMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	27.2	3.0	20.0	7.9	96.4	47	131				

Sample ID: **2405487-001BMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **68841**
Client ID: **BatchQC** Batch ID: **R68841** TestNo: **A5310 B-2014** Analysis Date: **5/29/2024** SeqNo: **774887**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	30.0	3.0	20.0	7.9	110	47	131	27.2	9.7	7.72	R

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2405493**
31-May-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **ASTM-D1429**

Sample ID: **2405493-001ADUP** SampType: **DUP** TestCode: **SP_GR** Units: **g/cc @ 4°C** Prep Date: RunNo: **68890**
Client ID: **MW-1** Batch ID: **R68890** TestNo: **ASTM-D1429** Analysis Date: **5/31/2024** SeqNo: **775538**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	0.9964	0.01000						0.9965	0.0100	0.723	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Green Country Testing, Inc.
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QC SUMMARY REPORT

WO#: **2405493**

31-May-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **E120.1, 1982**

Sample ID: **LCS-R68860**	SampType: **LCS**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68860**
Client ID: **LCSW**	Batch ID: **R68860**	TestNo: **E120.1, 1982**		Analysis Date: **5/30/2024**	SeqNo: **775157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	103	1.00	100.0	0	103	80	120				

Sample ID: **2405493-001ADUP**	SampType: **DUP**	TestCode: **COND**	Units: **µmhos/cm**	Prep Date:	RunNo: **68860**
Client ID: **MW-1**	Batch ID: **R68860**	TestNo: **E120.1, 1982**		Analysis Date: **5/30/2024**	SeqNo: **775159**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	1,210	2.00						1,204	0.166	1.64	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

Green Country TESTING

Chain of Custody Record

Laboratory Number: 2405493

Client Information:		Billing Information:		PO Number: 1706-0046-001	Project Name/Number: Mid-Way Monthly	Page 1 of 1
Company Name:	A+M Engineering			Quote Number:		Turn Time: ☐1 Day ☐2 Day ☒Standard ☐Other (Rush turn times will incur a surcharge.)
Contact Name:	Ed Van Schaik				Sampler's Signature: Ed Van Schaik	
Address:				Required QC Level: Std		
City, State Zip:				Bill Monthly: ☐Yes ☐No	Shipping Method: UPS / FedEx / Air / Hand / GCT / Mail	
Phone Number:	918-856-6247 Ext:233		Ext:			
Fax Number:						
E-mail Address:						

Which Regulations Apply: ☐RCRA ☐Drinking Water ☐POTW ☐Distribution ☐NPDES ☐Special ☐USDA/FDA ☐State ☐RECAP/RISC ☐Other

Matrix Code: AQ = Aqueous, DW = Drinking, WW = Waste, MW = Monit. Well, LQ = Liquid, SO = Soil, O = Oil, SL = Sludge, F = Food, SW = Swab, SOL = Solid

Sample ID/Description	Date	Time	Grab / Composite	Matrix	Container Number	Container Type (P=Plastic, G=Glass, V=Vial)	Pres. (HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$)	Requested Tests: pH	Sp. Cond.	Sp. Gravity	TDS	TOC	Comments
MW-1	5-23-24	1220	G	AQ	2	P, G		X	X	X	X	X	
MW-2	5-23-24	1300	G	AQ	2	P, G		X	X	X	X	X	
MW-3	5-23-24	1250	G	AQ	2	P, G		X	X	X	X	X	
MW-4	5-23-24	1315	G	AQ	2	P, G		X	X	X	X	X	
MW-5	5-23-24	1240	G	AQ	2	P, G		X	X	X	X	X	
DMW-2	5-23-24	1210	G	AQ	2	P, G		X	X	X	X	X	

	Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
1	Ed Van Schaik	5-23-24 1451	[signature]	5/23/24 1451	
2					
3					Received on ice? ☒Yes ☐No
4					Temp: 8.3°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.

6825 E. 38th Street • Tulsa, OK 74145
918-828-9977 • Fax: 918-828-7756

Part 1 – Laboratory Copy • Part 2 – Report Copy • Part 3 – Client's Copy

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
--- OF --- PAGES

FIELD WATER QUALITY SAMPLING AND ANAYLSIS DATA SHEET

PROJECT NAME: Mid-Way Monthly PROJECT NO: 1706-0046-001

SAMPLER NAME: Ed Van Schaik PERSON PRESENT: _____

WEATHER: Partly Cloudy AIR TEMP: 80's LAST PRECIPT.: _____

LOCATION (STATION NO.)	MW-1	MW-2	MW-3	MW-4
WELL CONDITION	Good	Good	Good	Good
DATE AND TIME WATER LEVEL MEASURED	6-13-24 1415	6-13-24 1420	6-13-24 1425	6-13-24 1400
DATE AND TIME PURGED	6-13-24 0515	6-13-24 1540	6-13-24 1525	6-13-24 1550
DATE AND TIME SAMPLED	6-14-24 0945	6-14-24 1015	6-14-24 1000	6-14-24 1030
SAMPLING METHOD	Bailer	Bailer	Bailer	Bailer
TOP OF CASING ELEV.	885.3	873.7	876.2	874.6
DEPTH TO WATER (DTW)	61.12	49.45	52.45	50.50
TOTAL DEPTH (TD)	117.2	102.9	101.7	114.7
REQUIRED PURGE VOLUME	30.92 gal	29.64 gal	27.83 gal	34.89 gal
VOLUME PURGED	±27.0 gal	±25.0 gal	±22.0 gal	±29.0 gal
THICKNESS OF NAPL/DNAPL	None	None	None	None
SUBSTANCE ON WATER	None	None	None	None
SAMPLING TEMP.	21.0	22.8	22.4	21.3
SAMPLING pH (INST. NAME)	8.73	7.74	7.16	8.52
SAMPLING SPEC. COND (INST. NAME)	1,254 ms/cm	1,196 ms/cm	956 ms/cm	1,158 ms/cm
COLOR	Clear	Clear	V.SL. Turbid	Clear
ODOR	None	None	None	None
SEDIMENT	None	None	None	None
FIELD TREATMENT PRESERVATION	Pre-Preserved	Pre-Preserved	Pre-Preserved	Pre-Preserved
PURGING/SAMPLING PLAN AND PROCEDURES FOLLOWED?	Yes	Yes	Yes	Yes
OTHER				

NOTE: _____

Volume calculation: 2" – 0.163 gal/ft, 3" – 0.367 gal/ft, 4" – 0.653 gal/ft {[(TD-DTW) x gal/ft] x 3} + 3.5 gal = volume to evac.

FIELD WATER QUALITY SAMPLING AND ANAYLSIS DATA SHEET

PROJECT NAME: Mid-Way Monthly PROJECT NO: 1706-0046-001

SAMPLER NAME: Ed Van Schaik PERSON PRESENT: _____

WEATHER: Partly Cloudy AIR TEMP: 80's LAST PRECIPT.: _____

LOCATION (STATION NO.)	MW-5	DMW-2		
WELL CONDITION	Good	Good		
DATE AND TIME WATER LEVEL MEASURED	6-13-24 1425	6-13-24 1440		
DATE AND TIME PURGED	6-13-24 1445	6-13-24 1500		
DATE AND TIME SAMPLED	6-14-24 1600	6-14-24 0915		
SAMPLING METHOD	Bailer	Bailer		
TOP OF CASING ELEV.	878.10			
DEPTH TO WATER (DTW)	54.79	67.59		
TOTAL DEPTH (TD)	124.0	253.0		
REQUIRED PURGE VOLUME	37.34 gal			
VOLUME PURGED	132.0 gal			
THICKNESS OF NAPL/DNAPL	None	None		
SUBSTANCE ON WATER	None	None		
SAMPLING TEMP.	21.4 21.6	19.3		
SAMPLING pH (INST. NAME)	8.76 8.76	7.22		
SAMPLING SPEC. COND (INST. NAME)	2,110 uS/cm	OR		
COLOR	Clear	Clear		
ODOR	None	None		
SEDIMENT	None	None		
FIELD TREATMENT PRESERVATION	Pre-Preserved	Pre-Preserved		
PURGING/SAMPLING PLAN AND PROCEDURES FOLLOWED?	Yes	Yes		
OTHER				

NOTE: _____

Volume calculation: 2" – 0.163 gal/ft, 3" – 0.367 gal/ft, 4" – 0.653 gal/ft {[(TD-DTW) x gal/ft] x 3} + 3.5 gal = volume to evac.

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

June 24, 2024

Ed Van Schaik
A & M Engineering
10010 E. 16th St.
Tulsa, OK 74128-4813
TEL:
FAX:

RE: Midway Monthly

Order No.: 2406285

Dear Ed Van Schaik:

Green Country Testing, Inc. received 6 sample(s) on 6/14/2024 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,

Brian Duzan
Laboratory Director

CC:
Monty Bruner

Original

Green Country Testing, Inc.
6825 E 38th Street
Tulsa, OK 74145
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Analytical Report

(continuous)

WO#: **2406285**

Date Reported: **6/24/2024**

CLIENT: A & M Engineering **Lab Order:** 2406285

Project: Midway Monthly

Lab ID: 2406285-001 **Collection Date:** 6/14/2024 9:45:00 AM

Client Sample ID: MW-1 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,160	10.0		µmhos/cm	10	6/18/2024 1:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.77	0.100	H	pH Units	1	6/18/2024 1:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **AC**
Specific Gravity	0.9967	0.01000		g/cc @ 4°C	1	6/19/2024 12:35:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	729	10		mg/L	1	6/21/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	20.1	3.0		mg/L	1	6/20/2024 7:12:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit
M	Manual Integration used to determine area response
PL	Permit Limit
W	Sample container temperature is out of limit as specified at testcode

Green Country Testing, Inc.
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Analytical Report

(continuous)

WO#: **2406285**

Date Reported: **6/24/2024**

CLIENT: A & M Engineering **Lab Order:** 2406285

Project: Midway Monthly

Lab ID: 2406285-002 **Collection Date:** 6/14/2024 10:15:00 AM

Client Sample ID: MW-2 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,080	2.00		µmhos/cm	2	6/18/2024 1:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.01	0.100	H	pH Units	1	6/18/2024 1:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **AC**
Specific Gravity	0.9960	0.01000		g/cc @ 4°C	1	6/19/2024 12:35:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	663	10		mg/L	1	6/21/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	13.3	3.0		mg/L	1	6/20/2024 7:12:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit
M	Manual Integration used to determine area response
PL	Permit Limit
W	Sample container temperature is out of limit as specified at testcode

Green Country Testing, Inc.
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Analytical Report

(continuous)

WO#: **2406285**

Date Reported: **6/24/2024**

CLIENT: A & M Engineering **Lab Order:** 2406285

Project: Midway Monthly

Lab ID: 2406285-003 **Collection Date:** 6/14/2024 10:00:00 AM

Client Sample ID: MW-3 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	905	1.00		µmhos/cm	1	6/18/2024 1:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.41	0.100	H	pH Units	1	6/18/2024 1:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **AC**
Specific Gravity	0.9960	0.01000		g/cc @ 4°C	1	6/19/2024 12:35:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	636	10		mg/L	1	6/21/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	26.5	3.0		mg/L	1	6/20/2024 7:12:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit
M	Manual Integration used to determine area response
PL	Permit Limit
W	Sample container temperature is out of limit as specified at testcode

Green Country Testing, Inc.
6825 E 38th Street
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Analytical Report

(continuous)

WO#: **2406285**

Date Reported: **6/24/2024**

CLIENT: A & M Engineering **Lab Order:** 2406285

Project: Midway Monthly

Lab ID: 2406285-004 **Collection Date:** 6/14/2024 10:30:00 AM

Client Sample ID: MW-4 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	1,090	2.00		µmhos/cm	2	6/18/2024 1:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.42	0.100	H	pH Units	1	6/18/2024 1:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **AC**
Specific Gravity	0.9959	0.01000		g/cc @ 4°C	1	6/19/2024 12:35:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	556	10		mg/L	1	6/21/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	7.2	3.0		mg/L	1	6/20/2024 1:50:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit
M	Manual Integration used to determine area response
PL	Permit Limit
W	Sample container temperature is out of limit as specified at testcode

Green Country Testing, Inc.
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Analytical Report

(continuous)

WO#: **2406285**

Date Reported: **6/24/2024**

CLIENT: A & M Engineering **Lab Order:** 2406285

Project: Midway Monthly

Lab ID: 2406285-005 **Collection Date:** 6/14/2024 11:00:00 AM

Client Sample ID: MW-5 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	2,050	4.00		µmhos/cm	4	6/18/2024 1:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	8.91	0.100	H	pH Units	1	6/18/2024 1:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **AC**
Specific Gravity	0.9968	0.01000		g/cc @ 4°C	1	6/19/2024 12:35:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	679	10		mg/L	1	6/21/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	6.1	3.0		mg/L	1	6/20/2024 1:50:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
RL	Reporting Detection Limit
M	Manual Integration used to determine area response
PL	Permit Limit
W	Sample container temperature is out of limit as specified at testcode

Green Country Testing, Inc.
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Analytical Report

(continuous)

WO#: **2406285**

Date Reported: **6/24/2024**

CLIENT: A & M Engineering **Lab Order:** 2406285

Project: Midway Monthly

Lab ID: 2406285-006 **Collection Date:** 6/14/2024 9:15:00 AM

Client Sample ID: DMW-2 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SPECIFIC CONDUCTANCE				**E120.1, 1982**		Analyst: **WH**
Specific Conductivity	37,900	100		µmhos/cm	100	6/18/2024 1:00:00 PM
PH				**4500H+B,2011**		Analyst: **WH**
pH	7.48	0.100	H	pH Units	1	6/18/2024 1:00:00 PM
SPECIFIC GRAVITY - N				**ASTM-D1429**		Analyst: **AC**
Specific Gravity	1.015	0.01000		g/cc @ 4°C	1	6/19/2024 12:35:00 PM
TOTAL DISSOLVED SOLIDS				**A2540 C-2015**		Analyst: **WH**
Total Dissolved Solids (Residue, Filterable)	23,500	10		mg/L	1	6/21/2024 10:00:00 AM
TOTAL ORGANIC CARBON IN WATER				**A5310 B-2014**		Analyst: **AC**
Total Organic Carbon	3.4	3.0		mg/L	1	6/20/2024 1:50:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit	W	Sample container temperature is out of limit as specified at testcode

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QC SUMMARY REPORT

WO#: **2406285**

24-Jun-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **4500H+B,2011**

Sample ID: **LCS-R69157** SampType: **LCS** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **69157**
Client ID: **LCSW** Batch ID: **R69157** TestNo: **4500H+B,201** Analysis Date: **6/18/2024** SeqNo: **778847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.04	0.100	6.000	0	101	80	120				

Sample ID: **2406258-001ADUP** SampType: **DUP** TestCode: **PH** Units: **pH Units** Prep Date: RunNo: **69157**
Client ID: **BatchQC** Batch ID: **R69157** TestNo: **4500H+B,201** Analysis Date: **6/18/2024** SeqNo: **778849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.07	0.100						7.070	0	1.03	H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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

QC SUMMARY REPORT

WO#: **2406285**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **A2540 C-2015**

Sample ID: **2406354-002ADUP** SampType: **DUP** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **69234**
Client ID: **BatchQC** Batch ID: **R69234** TestNo: **A2540 C-2015** Analysis Date: **6/21/2024** SeqNo: **780146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,720	10						1,677	3	5	

Sample ID: **LCS-R69234** SampType: **LCS** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **69234**
Client ID: **LCSW** Batch ID: **R69234** TestNo: **A2540 C-2015** Analysis Date: **6/21/2024** SeqNo: **780176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	1,030	10	1,000	0	103	80	120				

Sample ID: **MB-R69234** SampType: **MBLK** TestCode: **TDS** Units: **mg/L** Prep Date: RunNo: **69234**
Client ID: **PBW** Batch ID: **R69234** TestNo: **A2540 C-2015** Analysis Date: **6/21/2024** SeqNo: **780178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filterable)	< 10	10									

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **2406285**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly
TestNo: **A5310 B-2014**

Sample ID: **MB-R69218** SampType: **MBLK** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69218**
Client ID: **PBW** Batch ID: **R69218** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	< 3.0	3.0									

Sample ID: **LCS-R69218** SampType: **LCS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69218**
Client ID: **LCSW** Batch ID: **R69218** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	23.3	3.0	25.0	0	93.1	85	115				

Sample ID: **2406173-001BMS** SampType: **MS** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69218**
Client ID: **BatchQC** Batch ID: **R69218** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779559**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	34.7	3.0	20.0	18.8	79.9	10	162				

Sample ID: **2406173-001BMSD** SampType: **MSD** TestCode: **TOC** Units: **mg/L** Prep Date: RunNo: **69218**
Client ID: **BatchQC** Batch ID: **R69218** TestNo: **A5310 B-2014** Analysis Date: **6/20/2024** SeqNo: **779560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	29.7	3.0	20.0	18.8	54.9	10	162	34.7	15.5	17.6	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **2406285**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **A5310 B-2014**

Sample ID: **MB-R69230**	SampType: **MBLK**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **69230**
Client ID: **PBW**	Batch ID: **R69230**	TestNo: **A5310 B-2014**		Analysis Date: **6/20/2024**	SeqNo: **779753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	< 3.0	3.0									

Sample ID: **LCS-R69230**	SampType: **LCS**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **69230**
Client ID: **LCSW**	Batch ID: **R69230**	TestNo: **A5310 B-2014**		Analysis Date: **6/20/2024**	SeqNo: **779754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	24.0	3.0	25.0	0	95.8	85	115				

Sample ID: **2406341-002B MS**	SampType: **MS**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **69230**
Client ID: **BatchQC**	Batch ID: **R69230**	TestNo: **A5310 B-2014**		Analysis Date: **6/20/2024**	SeqNo: **779756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	30.2	3.0	20.0	7.0	116	10	162				

Sample ID: **2406341-002B MSD**	SampType: **MSD**	TestCode: **TOC**	Units: **mg/L**	Prep Date:	RunNo: **69230**
Client ID: **BatchQC**	Batch ID: **R69230**	TestNo: **A5310 B-2014**		Analysis Date: **6/20/2024**	SeqNo: **779757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	28.5	3.0	20.0	7.0	108	10	162	30.2	6.0	17.6	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **2406285**

24-Jun-24

Client: A & M Engineering
Project: Midway Monthly

TestNo: **ASTM-D1429**

Sample ID: **2406285-001ADUP** SampType: **DUP** TestCode: **SP_GR** Units: **g/cc @ 4°C** Prep Date: RunNo: **69180**
Client ID: **MW-1** Batch ID: **R69180** TestNo: **ASTM-D1429** Analysis Date: **6/19/2024** SeqNo: **779199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Gravity	0.9960	0.01000						0.9967	0.0703	0.723	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

Original

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QC SUMMARY REPORT

WO#: **2406285**
24-Jun-24

Client: A & M Engineering
Project: Midway Monthly **TestNo:** **E120.1, 1982**

Sample ID: **LCS-R69159** SampType: **LCS** TestCode: **COND** Units: **µmhos/cm** Prep Date: RunNo: **69159**
Client ID: **LCSW** Batch ID: **R69159** TestNo: **E120.1, 1982** Analysis Date: **6/18/2024** SeqNo: **778869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	102	1.00	100.0	0	102	80	120				

Sample ID: **2406258-001ADUP** SampType: **DUP** TestCode: **COND** Units: **µmhos/cm** Prep Date: RunNo: **69159**
Client ID: **BatchQC** Batch ID: **R69159** TestNo: **E120.1, 1982** Analysis Date: **6/18/2024** SeqNo: **778871**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	35,900	100						36,200	0.832	7.95	

Sample ID: **2406315-001ADUP** SampType: **DUP** TestCode: **COND** Units: **µmhos/cm** Prep Date: RunNo: **69159**
Client ID: **BatchQC** Batch ID: **R69159** TestNo: **E120.1, 1982** Analysis Date: **6/18/2024** SeqNo: **778891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Specific Conductivity	6.90	1.00						7.100	2.86	7.95	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	RL	Reporting Detection Limit	W	Sample container temperature is out of limit as sp

Green Country TESTING

Chain of Custody Record

Laboratory Number: 2406285

Company Name:	A+M Engineering
Contact Name:	Ed Van Schaik
Address:	
City, State Zip:	
Phone Number:	918-856-6247 Ext: 233
Fax Number:	
E-mail Address:	

PO Number: 1706-0046-001
Quote Number:
Required QC Level: Std
Bill Monthly: ☐ Yes ☐ No

Project Name/Number: Mid-Way Monthly
Sampler's Signature: Ed Van Schaik
Shipping Method: UPS / FedEx / Air / Hand / GCT / Mail

Page 1 of 1

Turn Time
☐ 1 Day
☐ 2 Day
☒ Standard
☐ Other
(Rush turn times will incur a surcharge.)

Which Regulations Apply:
☐ RCRA ☐ Drinking Water
☐ POTW ☐ Distribution
☐ NPDES ☐ Special
☐ USDA/FDA ☐ State
☐ RECAP/RISC ☐ Other

Matrix Code:
AQ = Aqueous, O = Oil, DW = Drinking, SL = Sludge, WW = Waste, F = Food, MW = Monit. Well, SW = Swab, LQ = Liquid, SOL = Solid

Sample ID	Date	Time	Comp/Grab	Matrix	# Containers	Preservative	Field Filtered	pH	Sp. Cond.	Sp. Gravity	TDS	TOC
MW-1	6-14-24	0945	G	AQ	2	P, G		X	X	X	X	X
MW-2	6-14-24	1015	G	AQ	2	P, G		X	X	X	X	X
MW-3	6-14-24	1000	G	AQ	2	P, G		X	X	X	X	X
MW-4	6-14-24	1030	G	AQ	2	P, G		X	X	X	X	X
MW-5	6-14-24	1100	G	AQ	2	P, G		X	X	X	X	X
DMW-2	6-14-24	0915	G	AQ	2	P, G		X	X	X	X	X

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
OF PAGES

Relinquished By	Date/Time	Received By	Date/Time
Ed Van Schaik	6-14-24 1305		6-14-24 1305

Field Notes:

Received on ice? ☒ Yes ☐ No
Temp: 13.4°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.

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918-828-9977 • Fax: 918-828-7756

Part 1 – Laboratory Copy • Part 2 – Report Copy • Part 3 – Client's Copy

APPENDIX D

SOLIDS/SLUDGE TESTING

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

June 25, 2024

Ron Morgan
Midway Environmental Service, Inc
10010 E 16th St
Tulsa, OK 74128
TEL: (918) 665-6574
FAX: (918) 665-6575

RE: Tanker Sludge

Order No.: 2406233

Dear Ron Morgan:

Green Country Testing, Inc. received 1 sample(s) on 6/12/2024 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,

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

(wastewater)

WO#: **2406233**

Date Reported: **6/25/2024**

CLIENT: Midway Environmental Service, Inc
Collection Date: 6/12/2024 11:25:00 AM
Project: Tanker Sludge
Lab ID: 2406233-001
Matrix: SLUDGE
Client Sample ID: Tanker Sludge
Sample Location:

Analyses	Result	RL	Qual	Units	DF	PL	Date Analyzed
TOTAL CYANIDE IN SOIL OR SEDIMENT				**SW9012B**			Analyst: **BG**
Cyanide, Total	< 1.165	1.165		mg/Kg	1		6/18/2024 1:20:00 PM
SULFIDE IN SAND - N				**PER CLIENT**			Analyst: **BG**
Sulfide	32.0	25.0		mg/L	1000		6/14/2024 11:02:00 AM
RCRA METALS IN SOIL OR SEDIMENT MERCURY IN SOIL				**SW7471B**			Analyst: **KR**
Mercury	< 0.0250	0.0250		mg/Kg	1		6/21/2024 7:09:04 PM
TCLP METALS, VOLATILES, & SEMIVOLATILES MERCURY IN TCLP EXTRACT				**SW7470A**			Analyst: **KR**
Mercury	< 0.000500	0.000500		mg/L	5	0.200	6/18/2024 11:27:41 AM
RCRA METALS IN SOIL OR SEDIMENT METALS IN SOIL BY ICP				**SW6010B**	**3050B**		Analyst: **KR**
Arsenic	< 0.493	0.493		mg/Kg	1		6/19/2024 12:22:49 AM
Barium	26.7	0.247		mg/Kg	1		6/19/2024 12:22:49 AM
Cadmium	6.17	0.247		mg/Kg	1		6/19/2024 12:22:49 AM
Chromium	8.86	0.247		mg/Kg	1		6/19/2024 12:22:49 AM
Lead	7.42	0.123		mg/Kg	1		6/19/2024 12:22:49 AM
Selenium	0.718	0.493		mg/Kg	1		6/19/2024 12:22:49 AM
Silver	0.620	0.0493		mg/Kg	1		6/19/2024 12:22:49 AM
TCLP METALS, VOLATILES, & SEMIVOLATILES METALS IN TCLP EXTRACT				**SW6010B**	**SW3010A**		Analyst: **KR**
Arsenic	< 0.0500	0.0500		mg/L	10	5.00	6/20/2024 11:32:19 PM
Barium	< 0.100	0.100		mg/L	10	100	6/20/2024 11:32:19 PM
Cadmium	0.0900	0.0100		mg/L	10	1.00	6/20/2024 11:32:19 PM
Chromium	< 0.100	0.100		mg/L	10	5.00	6/20/2024 11:32:19 PM
Lead	< 0.0500	0.0500		mg/L	10	5.00	6/20/2024 11:32:19 PM
Selenium	< 0.0500	0.0500		mg/L	10	1.00	6/20/2024 11:32:19 PM

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

(wastewater)

WO#: **2406233**

Date Reported: **6/25/2024**

CLIENT: Midway Environmental Service, Inc
Collection Date: 6/12/2024 11:25:00 AM
Project: Tanker Sludge
Lab ID: 2406233-001
Matrix: SLUDGE
Client Sample ID: Tanker Sludge
Sample Location:

Analyses	Result	RL	Qual	Units	DF	PL	Date Analyzed
TCLP METALS, VOLATILES, & SEMIVOLATILES METALS IN TCLP EXTRACT				**SW6010B**		**SW3010A**	Analyst: **KR**
Silver	< 0.0200	0.0200		mg/L	10	5.00	6/20/2024 11:32:19 PM
TCLP METALS, VOLATILES, & SEMIVOLATILES VOLATILE ORGANICS IN WATER				**SW8260C**			Analyst: **BWI**
1,1-Dichloroethene	< 0.100	0.100		mg/L	20	0.700	6/21/2024 3:18:00 PM
1,2-Dichloroethane	< 0.100	0.100		mg/L	20	0.500	6/21/2024 3:18:00 PM
2-Butanone	< 0.100	0.100		mg/L	20	200	6/21/2024 3:18:00 PM
Benzene	< 0.100	0.100		mg/L	20	0.500	6/21/2024 3:18:00 PM
Carbon tetrachloride	< 0.100	0.100		mg/L	20	0.500	6/21/2024 3:18:00 PM
Chlorobenzene	< 0.100	0.100		mg/L	20	100	6/21/2024 3:18:00 PM
Chloroform	< 0.100	0.100		mg/L	20	6.00	6/21/2024 3:18:00 PM
Tetrachloroethene	< 0.100	0.100		mg/L	20	0.700	6/21/2024 3:18:00 PM
Trichloroethene	< 0.100	0.100		mg/L	20	0.500	6/21/2024 3:18:00 PM
Vinyl chloride	< 0.100	0.100		mg/L	20	0.200	6/21/2024 3:18:00 PM
Surr: 4-Bromofluorobenzene	85.4	65.3-114		%Rec	20		6/21/2024 3:18:00 PM
Surr: Dibromofluoromethane	89.1	77-129		%Rec	20		6/21/2024 3:18:00 PM
Surr: Toluene-d8	91.9	84.1-111		%Rec	20		6/21/2024 3:18:00 PM
TCLP METALS, VOLATILES, & SEMIVOLATILES EPA 8270D IN WATER				**SW8270D**		**SW3510C**	Analyst: **KP**
1,4-Dichlorobenzene	< 0.200	0.200		mg/L	1	7.50	6/17/2024 8:31:00 PM
2,4,5-Trichlorophenol	< 0.200	0.200		mg/L	1	400	6/17/2024 8:31:00 PM
2,4,6-Trichlorophenol	< 0.200	0.200		mg/L	1	2.00	6/17/2024 8:31:00 PM
2,4-Dinitrotoluene	< 0.200	0.200		mg/L	1	0.130	6/17/2024 8:31:00 PM
2-Methylphenol	< 0.200	0.200		mg/L	1	200	6/17/2024 8:31:00 PM
4-Methylphenol	< 0.200	0.200		mg/L	1	200	6/17/2024 8:31:00 PM
Hexachlorobenzene	< 0.200	0.200		mg/L	1	0.130	6/17/2024 8:31:00 PM
Hexachlorobutadiene	< 0.200	0.200		mg/L	1	0.500	6/17/2024 8:31:00 PM
Hexachloroethane	< 0.200	0.200		mg/L	1	3.00	6/17/2024 8:31:00 PM
Nitrobenzene	< 0.200	0.200		mg/L	1	2.00	6/17/2024 8:31:00 PM
Pentachlorophenol	< 0.200	0.200		mg/L	1	100	6/17/2024 8:31:00 PM
Pyridine	< 0.200	0.200		mg/L	1	5.00	6/17/2024 8:31:00 PM

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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Tulsa, OK 74145
TEL: 918-828-9977 FAX: 918-828-7756
Website: www.greencountrytesting.com

Analytical Report

(wastewater)

WO#: **2406233**

Date Reported: **6/25/2024**

CLIENT: Midway Environmental Service, Inc
Collection Date: 6/12/2024 11:25:00 AM
Project: Tanker Sludge
Lab ID: 2406233-001
Matrix: SLUDGE
Client Sample ID: Tanker Sludge
Sample Location:

Analyses	Result	RL	Qual	Units	DF	PL	Date Analyzed
TCLP METALS, VOLATILES, & SEMIVOLATILES EPA 8270D IN WATER				**SW8270D**		**SW3510C**	Analyst: **KP**
Surr: 2,4,6-Tribromophenol	167	5-149	S	%Rec	1		6/17/2024 8:31:00 PM
Surr: 2-Fluorobiphenyl	202	5-136	S	%Rec	1		6/17/2024 8:31:00 PM
Surr: 2-Fluorophenol	114	5-101	S	%Rec	1		6/17/2024 8:31:00 PM
Surr: Nitrobenzene-d5	265	5-140	S	%Rec	1		6/17/2024 8:31:00 PM
Surr: Phenol-d5	115	5-101	S	%Rec	1		6/17/2024 8:31:00 PM
Surr: Terphenyl-d14	206	5-121	S	%Rec	1		6/17/2024 8:31:00 PM
CORROSIVITY BY PH				**SW9045D**			Analyst: **WH**
Hydrogen Ion (pH)	6.45	0.100	H	pH Units	1		6/20/2024 1:00:00 PM
IGNITABILITY IN SOIL OR SEDIMENT				**SW1010A**			Analyst: **MH**
Ignitability	>200	80.0		°F	1		6/13/2024 3:10:00 PM

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response
ND	Not Detected at the Reporting Limit	PL	Permit Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified at testcode		

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Website: www.greencountrytesting.com

QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **Per Client**

Sample ID: **MB-R69124** SampType: **MBLK** TestCode: **SULF_SAND** Units: **mg/L** Prep Date: RunNo: **69124**
Client ID: **PBS** Batch ID: **R69124** TestNo: **Per Client** Analysis Date: **6/14/2024** SeqNo: **778340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	< 0.0250	0.0250									

Sample ID: **LCS-R69124** SampType: **LCS** TestCode: **SULF_SAND** Units: **mg/L** Prep Date: RunNo: **69124**
Client ID: **LCSS** Batch ID: **R69124** TestNo: **Per Client** Analysis Date: **6/14/2024** SeqNo: **778341**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide	0.347	0.0250	0.4000	0	86.8	80	120				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**
25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW1010A**

Sample ID: **2406234-002ADUP** SampType: **DUP** TestCode: **IGN_S** Units: **°F** Prep Date: RunNo: **69115**
Client ID: **BatchQC** Batch ID: **R69115** TestNo: **SW1010A** Analysis Date: **6/13/2024** SeqNo: **778257**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	>200	80.0						0	0	4.28	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**
25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW1010A**

Sample ID: **MB-R69115** SampType: **MBLK** TestCode: **IGN** Units: **°F** Prep Date: RunNo: **69115**
Client ID: **PBW** Batch ID: **R69115** TestNo: **SW1010A** Analysis Date: **6/13/2024** SeqNo: **778239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	>200	80.0									

Sample ID: **LCS-R69115** SampType: **LCS** TestCode: **IGN** Units: **°F** Prep Date: RunNo: **69115**
Client ID: **LCSW** Batch ID: **R69115** TestNo: **SW1010A** Analysis Date: **6/13/2024** SeqNo: **778240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	80.0	80.0	79.80	0	100	96.74	103.26				

Sample ID: **2406255-001ADUP** SampType: **DUP** TestCode: **IGN** Units: **°F** Prep Date: RunNo: **69115**
Client ID: **BatchQC** Batch ID: **R69115** TestNo: **SW1010A** Analysis Date: **6/13/2024** SeqNo: **778251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	>200	80.0						0	0	4.28	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW6010B**

Sample ID: **MB-20893** SampType: **MBLK** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **6/18/2024** RunNo: **69233**
Client ID: **PBW** Batch ID: **20893** TestNo: **SW6010B** **SW3010A** Analysis Date: **6/20/2024** SeqNo: **779799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.00500	0.00500									
Barium	< 0.0100	0.0100									
Cadmium	< 0.00100	0.00100									
Chromium	< 0.0100	0.0100									
Lead	< 0.00500	0.00500									
Selenium	< 0.00500	0.00500									
Silver	< 0.00200	0.00200									

Sample ID: **LCS-20893** SampType: **LCS** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **6/18/2024** RunNo: **69233**
Client ID: **LCSW** Batch ID: **20893** TestNo: **SW6010B** **SW3010A** Analysis Date: **6/20/2024** SeqNo: **779800**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.86	0.00500	2.000	0	93.2	85	115				
Barium	1.94	0.0100	2.000	0	96.9	85	115				
Cadmium	1.91	0.00100	2.000	0	95.6	85	115				
Chromium	1.99	0.0100	2.000	0	99.3	85	115				
Lead	2.00	0.00500	2.000	0	99.8	85	115				
Selenium	1.79	0.00500	2.000	0	89.5	85	115				
Silver	0.932	0.00200	1.000	0	93.2	85	115				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW6010B**

Sample ID: **2406229-001DMS** SampType: **MS** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **6/18/2024** RunNo: **69233**
Client ID: **BatchQC** Batch ID: **20893** TestNo: **SW6010B** **SW3010A** Analysis Date: **6/20/2024** SeqNo: **779802**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.94	0.00500	2.000	0	97.2	87.6	105				
Barium	2.00	0.0100	2.000	0.03844	97.9	88.4	113				
Cadmium	1.95	0.00100	2.000	0	97.6	88	107				
Chromium	2.02	0.0100	2.000	0	101	92.7	109				
Lead	1.94	0.00500	2.000	0	97.0	90.5	105				
Selenium	1.84	0.00500	2.000	0	92.2	82.8	103				
Silver	0.966	0.00200	1.000	0	96.6	55.3	132				

Sample ID: **2406229-001DMSD** SampType: **MSD** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **6/18/2024** RunNo: **69233**
Client ID: **BatchQC** Batch ID: **20893** TestNo: **SW6010B** **SW3010A** Analysis Date: **6/20/2024** SeqNo: **779803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.94	0.00500	2.000	0	97.0	87.6	105	1.945	0.206	2.42	
Barium	2.00	0.0100	2.000	0.03844	98.3	88.4	113	1.996	0.400	2.55	
Cadmium	1.95	0.00100	2.000	0	97.3	88	107	1.953	0.359	1.9	
Chromium	2.00	0.0100	2.000	0	100	92.7	109	2.016	0.647	2.78	
Lead	1.93	0.00500	2.000	0	96.6	90.5	105	1.940	0.465	1.65	
Selenium	1.84	0.00500	2.000	0	92.2	82.8	103	1.845	0.0542	2.49	
Silver	0.961	0.00200	1.000	0	96.1	55.3	132	0.9665	0.612	3.16	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW6010B**

Sample ID: **MB-20894** SampType: **MBLK** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **6/18/2024** RunNo: **69175**
Client ID: **PBS** Batch ID: **20894** TestNo: **SW6010B** **3050B** Analysis Date: **6/18/2024** SeqNo: **779157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.476	0.476									
Barium	< 0.238	0.238									
Cadmium	< 0.238	0.238									
Chromium	< 0.238	0.238									
Lead	< 0.119	0.119									
Selenium	< 0.476	0.476									
Silver	< 0.0476	0.0476									

Sample ID: **LCS-20894** SampType: **LCS** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **6/18/2024** RunNo: **69175**
Client ID: **LCSS** Batch ID: **20894** TestNo: **SW6010B** **3050B** Analysis Date: **6/18/2024** SeqNo: **779158**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.7	0.494	49.38	0	92.5	80	120				
Barium	46.1	0.247	49.38	0	93.4	80	120				
Cadmium	47.3	0.247	49.38	0	95.8	80	120				
Chromium	48.8	0.247	49.38	0	98.8	80	120				
Lead	49.1	0.123	49.38	0	99.5	80	120				
Selenium	43.4	0.494	49.38	0	87.9	80	120				
Silver	22.5	0.0494	24.69	0	91.2	80	120				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW6010B**

Sample ID: **2406216-001AMS** SampType: **MS** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **6/18/2024** RunNo: **69175**
Client ID: **BatchQC** Batch ID: **20894** TestNo: **SW6010B** **3050B** Analysis Date: **6/18/2024** SeqNo: **779161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.1	0.491	49.14	2.396	68.6	50	103				
Barium	111	0.246	49.14	59.42	105	-16.3	182				
Cadmium	37.1	0.246	49.14	0	75.5	57.6	108				
Chromium	51.6	0.246	49.14	8.301	88.1	44.6	115				
Lead	46.3	0.123	49.14	6.818	80.4	21.4	120				
Selenium	31.9	0.491	49.14	0	64.9	50.1	97.1				
Silver	19.5	0.0491	24.57	0	79.2	54.4	112				

Sample ID: **2406216-001AMSD** SampType: **MSD** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **6/18/2024** RunNo: **69175**
Client ID: **BatchQC** Batch ID: **20894** TestNo: **SW6010B** **3050B** Analysis Date: **6/18/2024** SeqNo: **779162**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.2	0.491	49.14	2.396	68.9	50	103	36.12	0.340	12.7	
Barium	98.5	0.246	49.14	59.42	79.5	-16.3	182	111.1	12.0	24.3	
Cadmium	37.2	0.246	49.14	0	75.8	57.6	108	37.10	0.397	10.7	
Chromium	50.6	0.246	49.14	8.301	86.0	44.6	115	51.60	2.02	15.4	
Lead	39.9	0.123	49.14	6.818	67.3	21.4	120	46.34	14.9	13.4	R
Selenium	32.6	0.491	49.14	0	66.3	50.1	97.1	31.89	2.13	13.3	
Silver	19.5	0.0491	24.57	0	79.5	54.4	112	19.46	0.340	8.08	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW7470A**

Sample ID: **MB-R69163** SampType: **MBLK** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **69163**
Client ID: **PBW** Batch ID: **R69163** TestNo: **SW7470A** Analysis Date: **6/18/2024** SeqNo: **778946**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0000500	0.0000500									

Sample ID: **LCS-R69163** SampType: **LCS** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **69163**
Client ID: **LCSW** Batch ID: **R69163** TestNo: **SW7470A** Analysis Date: **6/18/2024** SeqNo: **778947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000918	0.0000500	0.001000	0	91.8	85	115				

Sample ID: **2406224-001CMS** SampType: **MS** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **69163**
Client ID: **BatchQC** Batch ID: **R69163** TestNo: **SW7470A** Analysis Date: **6/18/2024** SeqNo: **778950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000920	0.0000500	0.001000	0	92.0	71.5	122				

Sample ID: **2406224-001CMSD** SampType: **MSD** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **69163**
Client ID: **BatchQC** Batch ID: **R69163** TestNo: **SW7470A** Analysis Date: **6/18/2024** SeqNo: **778951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000928	0.0000500	0.001000	0	92.8	71.5	122	0.0009200	0.844	4.18	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW7470A**

Sample ID: **2406261-001AMS** SampType: **MS** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **69163**
Client ID: **BatchQC** Batch ID: **R69163** TestNo: **SW7470A** Analysis Date: **6/18/2024** SeqNo: **778962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000884	0.0000500	0.001000	0	88.4	71.5	122				

Sample ID: **2406261-001AMSD** SampType: **MSD** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **69163**
Client ID: **BatchQC** Batch ID: **R69163** TestNo: **SW7470A** Analysis Date: **6/18/2024** SeqNo: **778963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000871	0.0000500	0.001000	0	87.1	71.5	122	0.0008843	1.46	4.18	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW7471B**

Sample ID: **MB-R69256** SampType: **MBLK** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **69256**
Client ID: **PBS** Batch ID: **R69256** TestNo: **SW7471B** Analysis Date: **6/21/2024** SeqNo: **780045**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0250	0.0250									

Sample ID: **LCS-R69256** SampType: **LCS** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **69256**
Client ID: **LCSS** Batch ID: **R69256** TestNo: **SW7471B** Analysis Date: **6/21/2024** SeqNo: **780046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.206	0.0250	0.2212	0	93.2	80	120				

Sample ID: **2406352-002AMS** SampType: **MS** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **69256**
Client ID: **BatchQC** Batch ID: **R69256** TestNo: **SW7471B** Analysis Date: **6/21/2024** SeqNo: **780049**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.209	0.0250	0.2212	0	94.4	62.3	144				

Sample ID: **2406352-002AMSD** SampType: **MSD** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **69256**
Client ID: **BatchQC** Batch ID: **R69256** TestNo: **SW7471B** Analysis Date: **6/21/2024** SeqNo: **780050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.210	0.0250	0.2212	0	94.8	62.3	144	0.2088	0.478	8.21	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**
25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW8260C**

Sample ID: **MB-R69257** SampType: **MBLK** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **69257**
Client ID: **PBW** Batch ID: **R69257** TestNo: **SW8260C** Analysis Date: **6/21/2024** SeqNo: **780056**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	< 0.00500	0.00500									
1,2-Dichloroethane	< 0.00500	0.00500									
2-Butanone	< 0.00500	0.00500									
Benzene	< 0.00500	0.00500									
Carbon tetrachloride	< 0.00500	0.00500									
Chlorobenzene	< 0.00500	0.00500									
Chloroform	< 0.00500	0.00500									
Tetrachloroethene	< 0.00500	0.00500									
Trichloroethene	< 0.00500	0.00500									
Vinyl chloride	< 0.00500	0.00500									
Surr: 4-Bromofluorobenzene	46.7		50.00		93.3	65.3	114				
Surr: Dibromofluoromethane	55.4		50.00		111	77	129				
Surr: Toluene-d8	50.6		50.00		101	84.1	111				

Sample ID: **LCS-R69257** SampType: **LCS** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **69257**
Client ID: **LCSW** Batch ID: **R69257** TestNo: **SW8260C** Analysis Date: **6/21/2024** SeqNo: **780057**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.101	0.00500	0.100	0	101	80	120				
Benzene	0.0848	0.00500	0.100	0	84.8	80	120				
Chlorobenzene	0.0902	0.00500	0.100	0	90.2	80	120				
Trichloroethene	0.0964	0.00500	0.100	0	96.4	80	120				
Surr: 4-Bromofluorobenzene	46.3		50.00		92.7	65.3	114				
Surr: Dibromofluoromethane	46.8		50.00		93.6	77	129				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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

QC SUMMARY REPORT

WO#: **2406233**
25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW8260C**

Sample ID: **LCS-R69257** SampType: **LCS** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **69257**
Client ID: **LCSW** Batch ID: **R69257** TestNo: **SW8260C** Analysis Date: **6/21/2024** SeqNo: **780057**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	49.0		50.00		97.9	84.1	111				

Sample ID: **2406372-004AMS** SampType: **MS** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **69257**
Client ID: **BatchQC** Batch ID: **R69257** TestNo: **SW8260C** Analysis Date: **6/21/2024** SeqNo: **780059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1.76	0.100	2.00	0	88.1	63.8	143				
Benzene	3.01	0.100	2.00	1.66	67.4	72.9	121				S
Chlorobenzene	1.46	0.100	2.00	0	73.2	74.7	128				S
Trichloroethene	1.72	0.100	2.00	0	85.8	75.9	131				
Surr: 4-Bromofluorobenzene	1,050		1,000		105	65.3	114				
Surr: Dibromofluoromethane	11,400		1,000		1,140	77	129				S
Surr: Toluene-d8	1,110		1,000		111	84.1	111				

Sample ID: **2406372-004AMSD** SampType: **MSD** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **69257**
Client ID: **BatchQC** Batch ID: **R69257** TestNo: **SW8260C** Analysis Date: **6/21/2024** SeqNo: **780060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1.60	0.100	2.00	0	80.2	63.8	143	1.76	9.43	14.7	
Benzene	3.02	0.100	2.00	1.66	68.0	72.9	121	3.01	0.444	13.4	S
Chlorobenzene	1.38	0.100	2.00	0	68.8	74.7	128	1.46	6.18	11.9	S
Trichloroethene	1.70	0.100	2.00	0	84.8	75.9	131	1.72	1.16	17	
Surr: 4-Bromofluorobenzene	1,070		1,000		107	65.3	114		0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
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S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW8260C**

Sample ID: **2406372-004AMSD** SampType: **MSD** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **69257**
Client ID: **BatchQC** Batch ID: **R69257** TestNo: **SW8260C** Analysis Date: **6/21/2024** SeqNo: **780060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	1,040		1,000		104	77	129		0	0	
Surr: Toluene-d8	1,160		1,000		116	84.1	111		0	0	S

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**
25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW8270D**

Sample ID: **MB-20890** SampType: **MBLK** TestCode: **8270_W** Units: **mg/L** Prep Date: **6/17/2024** RunNo: **69190**
Client ID: **PBW** Batch ID: **20890** TestNo: **SW8270D** **SW3510C** Analysis Date: **6/17/2024** SeqNo: **779282**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	< 0.0100	0.0100									
2,4,5-Trichlorophenol	< 0.0100	0.0100									
2,4,6-Trichlorophenol	< 0.0100	0.0100									
2,4-Dinitrotoluene	< 0.0100	0.0100									
2-Methylphenol	< 0.0100	0.0100									
Hexachlorobenzene	< 0.0100	0.0100									
Hexachlorobutadiene	< 0.0100	0.0100									
Hexachloroethane	< 0.0100	0.0100									
Nitrobenzene	< 0.0100	0.0100									
Pentachlorophenol	< 0.0100	0.0100									
Pyridine	< 0.0100	0.0100									
Surr: 2,4,6-Tribromophenol	55.9		100.0		55.9	5	149				
Surr: 2-Fluorobiphenyl	33.5		50.00		66.9	5	136				
Surr: 2-Fluorophenol	52.4		100.0		52.5	5	101				
Surr: Nitrobenzene-d5	34.9		50.00		69.7	5	140				
Surr: Phenol-d5	53.0		100.0		53.0	5	101				
Surr: Terphenyl-d14	33.7		50.00		67.5	5	121				

Sample ID: **LCS-20890** SampType: **LCS** TestCode: **8270_W** Units: **mg/L** Prep Date: **6/17/2024** RunNo: **69190**
Client ID: **LCSW** Batch ID: **20890** TestNo: **SW8270D** **SW3510C** Analysis Date: **6/17/2024** SeqNo: **779283**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	0.0258	0.0100	0.0500	0	51.6	37.8	75.3				
2,4,5-Trichlorophenol	0.0311	0.0100	0.0500	0	62.2	59.7	115				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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QC SUMMARY REPORT

WO#: **2406233**
25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW8270D**

Sample ID: **LCS-20890** SampType: **LCS** TestCode: **8270_W** Units: **mg/L** Prep Date: **6/17/2024** RunNo: **69190**
Client ID: **LCSW** Batch ID: **20890** TestNo: **SW8270D** **SW3510C** Analysis Date: **6/17/2024** SeqNo: **779283**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	0.0306	0.0100	0.0500	0	61.2	63.9	108				S
2,4-Dinitrotoluene	0.0345	0.0100	0.0500	0	69.1	51.6	114				
2-Methylphenol	0.0279	0.0100	0.0500	0	55.8	41.1	103				
Hexachlorobenzene	0.0308	0.0100	0.0500	0	61.6	21.7	115				
Hexachlorobutadiene	0.0292	0.0100	0.0500	0	58.4	18	91.9				
Hexachloroethane	0.0259	0.0100	0.0500	0	51.9	25.3	85.6				
Nitrobenzene	0.0287	0.0100	0.0500	0	57.4	46.2	88.7				
Pentachlorophenol	0.0394	0.0100	0.0500	0	78.7	7.8	151				
Pyridine	0.0117	0.0100	0.0500	0	23.5	5	81.9				
Surr: 2,4,6-Tribromophenol	75.3		100.0		75.3	5	149				
Surr: 2-Fluorobiphenyl	38.7		50.00		77.5	5	136				
Surr: 2-Fluorophenol	59.1		100.0		59.1	5	101				
Surr: Nitrobenzene-d5	38.1		50.00		76.3	5	140				
Surr: Phenol-d5	60.8		100.0		60.8	5	101				
Surr: Terphenyl-d14	37.8		50.00		75.5	5	121				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW9012B**

Sample ID: **MB-R69162**	SampType: **MBLK**	TestCode: **CN_T_S**	Units: **mg/Kg**	Prep Date:	RunNo: **69165**
Client ID: **PBS**	Batch ID: **R69165**	TestNo: **SW9012B**		Analysis Date: **6/18/2024**	SeqNo: **778985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	< 0.7634	0.7634									

Sample ID: **LCS-R69162**	SampType: **LCS**	TestCode: **CN_T_S**	Units: **mg/Kg**	Prep Date:	RunNo: **69165**
Client ID: **LCSS**	Batch ID: **R69165**	TestNo: **SW9012B**		Analysis Date: **6/18/2024**	SeqNo: **778986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	92.67	1.165	82.30	0	113	21	120				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2406233**

25-Jun-24

Client: Midway Environmental Service, Inc
Project: Tanker Sludge **TestNo:** **SW9045D**

Sample ID: **LCS-R69212** SampType: **LCS** TestCode: **CORROS** Units: **pH Units** Prep Date: RunNo: **69212**
Client ID: **LCSS** Batch ID: **R69212** TestNo: **SW9045D** Analysis Date: **6/20/2024** SeqNo: **779493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	6.03	0.100	6.000	0	101	80	120				

Sample ID: **2406233-001ADUP** SampType: **DUP** TestCode: **CORROS** Units: **pH Units** Prep Date: RunNo: **69212**
Client ID: **Tanker Sludge** Batch ID: **R69212** TestNo: **SW9045D** Analysis Date: **6/20/2024** SeqNo: **779495**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	6.45	0.100						6.450	0	12.5	H

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

CHAIN OF CUSTODY RECORD

240233

Mid-Way Environmental
900536 S. 3490 Rd, Chandler, OK 74834

Generator Information		Customer Information (if different from Generator)	
PO:		PO	
Company:	Mid-way Environmental	Company:	Mid-Way Environmental Services
Report to:	Dave Osborne / Ron Morgan	Report to:	900536 South 3490 Road
Address:	10010 E 16th Street	Address:	Chandler, OK 74834
	Tulsa OK 74128		
E-mail:	DOsborne@mid-wayenvironmental.com		
Phone:	918-290-9530	Phone:	918-968-0730
Fax:		Fax:	

Analysis/Methods

No.	Sample Description	Date	Time	Type	Matrix	# Containers	Method 4500 Cyanide Total	Total Sulfides	Corrosivity	Flash Point	Mercury	RCRA Metals	TCLP Metals	TCLP Volatiles	TCLP Semi-Volatiles	COMMENTS
1	Tanker Sludge	6-12-24	11:25			2	X	X	X	X	X	X	X	X	X	
2																
3																
4																
5																
6																
7																
8																
9																
10																

Sampler: Shipment Method: Hand Carried Date Due (fax):

1. Relinquished by:	Date:	2. Received by:	Date:	3. Relinquished by:	Date:	4. Received by:	Date:
Jeff Fankins	6/12/24	RON MORGAN	6-12-24	Ron Morgan	6-12-24	Steve Green	6-12-24
Company: Mid-way	Time: 12:10	Company: Mid-way	Time: 12:23	Company: Mid-way	Time: 2:32	Company: GCT	Time: 1432
1. Relinquished by:	Date:	2. Received by:	Date:	3. Relinquished by:	Date:	4. Received by:	Date:
Company:	Time:	Company:	Time:	Company:	Time:	Company:	Time:

Comments:

Standard turn | Other on ice

Cooler Temp: 24.1°C

GREEN COUNTRY TESTING
CHAIN OF CUSTODY
ATTACHMENT
___ OF ___ PAGES

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

January 19, 2023

Ron Morgan
Midway Environmental Service, Inc
10010 E 16th St
Tulsa, OK 74128
TEL: (918) 665-6574
FAX: (918) 665-6575

RE: Internal Waste Stream

Order No.: 2301107

Dear Ron Morgan:

Green Country Testing, Inc. received 1 sample(s) on 1/10/2023 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 - 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,

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

(wastewater)

WO#: **2301107**

Date Reported: **1/19/2023**

CLIENT: Midway Environmental Service, Inc
Collection Date: 1/6/2023 10:00:00 AM
Project: Internal Waste Stream
Lab ID: 2301107-001
Matrix: LIQUID
Client Sample ID: Filter Cake
Sample Location:

Analyses	Result	RL	Qual	Units	DF	PL	Date Analyzed
RCI IN WATER				**SW7.3.3.2**			Analyst: **BG**
REACTIVE CYANIDE							
Cyanide, Reactive	< 2.02	2.02		ppm	1		1/13/2023 12:23:00 PM
RCI IN WATER				**SW7.3.4.2**			Analyst: **BG**
REACTIVE SULFIDE							
Sulfide, Reactive	< 5.06	5.06		ppm	1		1/13/2023 3:09:00 PM
RCRA METALS IN SOIL OR SEDIMENT				**SW7471B**			Analyst: **KR**
MERCURY IN SOIL							
Mercury	0.295	0.0250		mg/Kg	1		1/18/2023 2:48:16 PM
TCLP METALS, VOLATILES, & SEMIVOLATILES				**SW7470A**			Analyst: **KR**
MERCURY IN TCLP EXTRACT							
Mercury	< 0.000500	0.000500		mg/L	5	0.200	1/11/2023 3:44:00 PM
RCRA METALS IN SOIL OR SEDIMENT				**SW6010B**	**3050B**		Analyst: **KR**
METALS IN SOIL BY ICP							
Arsenic	1.48	0.491		mg/Kg	1		1/12/2023 8:20:34 PM
Barium	626	2.46		mg/Kg	1		1/12/2023 8:20:34 PM
Cadmium	0.493	0.246		mg/Kg	1		1/12/2023 8:20:34 PM
Chromium	44.0	0.246		mg/Kg	1		1/12/2023 8:20:34 PM
Lead	11.4	1.23		mg/Kg	1		1/12/2023 8:20:34 PM
Selenium	< 0.491	0.491		mg/Kg	1		1/12/2023 8:20:34 PM
Silver	< 0.0491	0.0491		mg/Kg	1		1/12/2023 8:20:34 PM
TCLP METALS, VOLATILES, & SEMIVOLATILES				**SW6010B**	**SW3010A**		Analyst: **KR**
METALS IN TCLP EXTRACT							
Arsenic	< 0.0500	0.0500		mg/L	10	5.00	1/12/2023 6:18:50 PM
Barium	0.178	0.100		mg/L	10	100	1/12/2023 6:18:50 PM
Cadmium	< 0.0100	0.0100		mg/L	10	1.00	1/12/2023 6:18:50 PM
Chromium	0.122	0.100		mg/L	10	5.00	1/12/2023 6:18:50 PM
Lead	< 0.0500	0.0500		mg/L	10	5.00	1/12/2023 6:18:50 PM
Selenium	< 0.0500	0.0500		mg/L	10	1.00	1/12/2023 6:18:50 PM

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
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Analytical Report

(wastewater)

WO#: **2301107**

Date Reported: **1/19/2023**

CLIENT: Midway Environmental Service, Inc
Collection Date: 1/6/2023 10:00:00 AM
Project: Internal Waste Stream
Lab ID: 2301107-001
Matrix: LIQUID
Client Sample ID: Filter Cake
Sample Location:

Analyses	Result	RL	Qual	Units	DF	PL	Date Analyzed
TCLP METALS, VOLATILES, & SEMIVOLATILES METALS IN TCLP EXTRACT				**SW6010B**		**SW3010A**	Analyst: **KR**
Silver	< 0.0200	0.0200		mg/L	10	5.00	1/12/2023 6:18:50 PM
TCLP METALS, VOLATILES, & SEMIVOLATILES VOLATILE ORGANICS IN WATER				**SW8260C**			Analyst: **BWI**
1,1-Dichloroethene	< 0.100	0.100		mg/L	20	0.700	1/16/2023 9:52:00 AM
1,2-Dichloroethane	< 0.100	0.100		mg/L	20	0.500	1/16/2023 9:52:00 AM
2-Butanone	0.317	0.100		mg/L	20	200	1/16/2023 9:52:00 AM
Benzene	< 0.100	0.100		mg/L	20	0.500	1/16/2023 9:52:00 AM
Carbon tetrachloride	< 0.100	0.100		mg/L	20	0.500	1/16/2023 9:52:00 AM
Chlorobenzene	0.480	0.100		mg/L	20	100	1/16/2023 9:52:00 AM
Chloroform	< 0.100	0.100		mg/L	20	6.00	1/16/2023 9:52:00 AM
Tetrachloroethene	< 0.100	0.100		mg/L	20	0.700	1/16/2023 9:52:00 AM
Trichloroethene	< 0.100	0.100		mg/L	20	0.500	1/16/2023 9:52:00 AM
Vinyl chloride	< 0.100	0.100		mg/L	20	0.200	1/16/2023 9:52:00 AM
Surr: 4-Bromofluorobenzene	93.5	65.4-142		%Rec	20		1/16/2023 9:52:00 AM
Surr: Dibromofluoromethane	102	67.5-144		%Rec	20		1/16/2023 9:52:00 AM
Surr: Toluene-d8	93.8	79.7-127		%Rec	20		1/16/2023 9:52:00 AM
TCLP METALS, VOLATILES, & SEMIVOLATILES EPA 8270D IN WATER				**SW8270D**		**SW3510C**	Analyst: **KP**
1,4-Dichlorobenzene	< 0.0400	0.0400		mg/L	1	7.50	1/17/2023 4:15:00 PM
2,4,5-Trichlorophenol	< 0.0400	0.0400		mg/L	1	400	1/17/2023 4:15:00 PM
2,4,6-Trichlorophenol	< 0.0400	0.0400		mg/L	1	2.00	1/17/2023 4:15:00 PM
2,4-Dinitrotoluene	< 0.0400	0.0400		mg/L	1	0.130	1/17/2023 4:15:00 PM
2-Methylphenol	0.109	0.0400		mg/L	1	200	1/17/2023 4:15:00 PM
4-Methylphenol	0.0761	0.0400		mg/L	1	200	1/17/2023 4:15:00 PM
Hexachlorobenzene	< 0.0400	0.0400		mg/L	1	0.130	1/17/2023 4:15:00 PM
Hexachlorobutadiene	< 0.0400	0.0400		mg/L	1	0.500	1/17/2023 4:15:00 PM
Hexachloroethane	< 0.0400	0.0400		mg/L	1	3.00	1/17/2023 4:15:00 PM
Nitrobenzene	< 0.0400	0.0400		mg/L	1	2.00	1/17/2023 4:15:00 PM
Pentachlorophenol	< 0.0400	0.0400		mg/L	1	100	1/17/2023 4:15:00 PM
Pyridine	< 0.0400	0.0400		mg/L	1	5.00	1/17/2023 4:15:00 PM

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

(wastewater)

WO#: **2301107**

Date Reported: **1/19/2023**

CLIENT: Midway Environmental Service, Inc
Collection Date: 1/6/2023 10:00:00 AM
Project: Internal Waste Stream
Lab ID: 2301107-001
Matrix: LIQUID
Client Sample ID: Filter Cake
Sample Location:

Analyses	Result	RL	Qual	Units	DF	PL	Date Analyzed
TCLP METALS, VOLATILES, & SEMIVOLATILES EPA 8270D IN WATER				**SW8270D**		**SW3510C**	Analyst: **KP**
Surr: 2,4,6-Tribromophenol	52.8	5-134		%Rec	1		1/17/2023 4:15:00 PM
Surr: 2-Fluorobiphenyl	27.7	5-105		%Rec	1		1/17/2023 4:15:00 PM
Surr: 2-Fluorophenol	57.1	5-95.4		%Rec	1		1/17/2023 4:15:00 PM
Surr: Nitrobenzene-d5	87.3	5-126		%Rec	1		1/17/2023 4:15:00 PM
Surr: Phenol-d5	56.6	5-95.6		%Rec	1		1/17/2023 4:15:00 PM
Surr: Terphenyl-d14	34.3	5-116		%Rec	1		1/17/2023 4:15:00 PM
RCI IN WATER CORROSIVITY BY PH				**SW9045D**			Analyst: **DW**
Hydrogen Ion (pH)	7.49	0.100		pH Units	1		1/18/2023 2:50:00 PM
RCI IN WATER IGNITABILITY				**SW1010A**			Analyst: **MH**
Ignitability	>200	80.0		°F	1		1/18/2023 10:35:00 AM

Qualifiers:

H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
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PL	Permit Limit
RL	Reporting Detection Limit

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW1010A**

Sample ID: **2301138-001ADUP** SampType: **DUP** TestCode: **IGN_S** Units: **°F** Prep Date: RunNo: **61159**
Client ID: **BatchQC** Batch ID: **R61159** TestNo: **SW1010A** Analysis Date: **1/18/2023** SeqNo: **682541**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	>200	80.0						0	0	20	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW1010A**

Sample ID: **MB-R61159** SampType: **MBLK** TestCode: **IGN** Units: **°F** Prep Date: RunNo: **61159**
Client ID: **PBW** Batch ID: **R61159** TestNo: **SW1010A** Analysis Date: **1/18/2023** SeqNo: **682529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	>200	80.0									

Sample ID: **LCS-R61159** SampType: **LCS** TestCode: **IGN** Units: **°F** Prep Date: RunNo: **61159**
Client ID: **LCSW** Batch ID: **R61159** TestNo: **SW1010A** Analysis Date: **1/18/2023** SeqNo: **682530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	80.0	80.0	79.80	0	100	96.74	103.26				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW6010B**

Sample ID: **MB-17876** SampType: **MBLK** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **1/11/2023** RunNo: **61103**
Client ID: **PBW** Batch ID: **17876** TestNo: **SW6010B** **SW3010A** Analysis Date: **1/12/2023** SeqNo: **681719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.00500	0.00500									
Barium	< 0.0100	0.0100									
Cadmium	< 0.00100	0.00100									
Chromium	< 0.0100	0.0100									
Lead	< 0.00500	0.00500									
Selenium	< 0.00500	0.00500									
Silver	< 0.00200	0.00200									

Sample ID: **LCS-17876** SampType: **LCS** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **1/11/2023** RunNo: **61103**
Client ID: **LCSW** Batch ID: **17876** TestNo: **SW6010B** **SW3010A** Analysis Date: **1/12/2023** SeqNo: **681720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.91	0.00500	2.000	0	95.5	85	115				
Barium	1.91	0.0100	2.000	0	95.6	85	115				
Cadmium	1.96	0.00100	2.000	0	98.2	85	115				
Chromium	1.97	0.0100	2.000	0	98.6	85	115				
Lead	2.02	0.00500	2.000	0	101	85	115				
Selenium	1.85	0.00500	2.000	0	92.6	85	115				
Silver	0.938	0.00200	1.000	0	93.8	85	115				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW6010B**

Sample ID: **2301042-003BMS** SampType: **MS** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **1/11/2023** RunNo: **61103**
Client ID: **BatchQC** Batch ID: **17876** TestNo: **SW6010B** **SW3010A** Analysis Date: **1/12/2023** SeqNo: **681722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.01	0.00500	2.000	0	100	91.3	107				
Barium	2.08	0.0100	2.000	0.1049	99.0	95.7	106				
Cadmium	2.00	0.00100	2.000	0	100	92.5	107				
Chromium	1.98	0.0100	2.000	0	99.2	90.9	107				
Lead	1.96	0.00500	2.000	0	98.0	90.5	107				
Selenium	1.94	0.00500	2.000	0	97.0	91.6	104				
Silver	0.962	0.00200	1.000	0	96.2	90.4	105				

Sample ID: **2301042-003BMSD** SampType: **MSD** TestCode: **MET_WW_T** Units: **mg/L** Prep Date: **1/11/2023** RunNo: **61103**
Client ID: **BatchQC** Batch ID: **17876** TestNo: **SW6010B** **SW3010A** Analysis Date: **1/12/2023** SeqNo: **681723**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.00	0.00500	2.000	0	100	91.3	107	2.008	0.150	2.44	
Barium	2.08	0.0100	2.000	0.1049	98.9	95.7	106	2.084	0.0960	1.72	
Cadmium	2.00	0.00100	2.000	0	99.8	92.5	107	2.000	0.200	2.12	
Chromium	2.00	0.0100	2.000	0	100	90.9	107	1.984	0.853	2.32	
Lead	1.96	0.00500	2.000	0	97.8	90.5	107	1.961	0.255	1.92	
Selenium	1.94	0.00500	2.000	0	96.8	91.6	104	1.939	0.155	2.31	
Silver	0.969	0.00200	1.000	0	96.9	90.4	105	0.9621	0.704	2.35	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW6010B**

Sample ID: **MB-17884** SampType: **MBLK** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **1/12/2023** RunNo: **61104**
Client ID: **PBS** Batch ID: **17884** TestNo: **SW6010B** **3050B** Analysis Date: **1/12/2023** SeqNo: **681742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.479	0.479									
Barium	< 0.239	0.239									
Cadmium	< 0.239	0.239									
Chromium	< 0.239	0.239									
Lead	< 0.120	0.120									
Selenium	< 0.479	0.479									
Silver	< 0.0479	0.0479									

Sample ID: **LCS-17884** SampType: **LCS** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **1/12/2023** RunNo: **61104**
Client ID: **LCSS** Batch ID: **17884** TestNo: **SW6010B** **3050B** Analysis Date: **1/12/2023** SeqNo: **681743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.0	0.494	49.36	0	97.2	80	120				
Barium	48.5	0.247	49.36	0	98.2	80	120				
Cadmium	48.8	0.247	49.36	0	98.9	80	120				
Chromium	48.1	0.247	49.36	0	97.4	80	120				
Lead	49.9	0.123	49.36	0	101	80	120				
Selenium	46.1	0.494	49.36	0	93.3	80	120				
Silver	23.8	0.0494	24.68	0	96.3	80	120				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**
19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW6010B**

Sample ID: **2301137-007AMS** SampType: **MS** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **1/12/2023** RunNo: **61104**
Client ID: **BatchQC** Batch ID: **17884** TestNo: **SW6010B** **3050B** Analysis Date: **1/12/2023** SeqNo: **681746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.5	0.493	49.31	2.276	83.7	46.8	118				
Barium	249	0.247	49.31	208.1	82.9	29	167				
Cadmium	43.7	0.247	49.31	1.893	84.9	61.2	115				
Chromium	48.7	0.247	49.31	6.990	84.6	44.9	122				
Lead	54.4	0.123	49.31	18.21	73.5	20.2	147				
Selenium	43.1	0.493	49.31	2.694	81.9	44.9	117				
Silver	13.6	0.0493	24.65	0.8820	51.6	69.2	109				S

Sample ID: **2301137-007AMSD** SampType: **MSD** TestCode: **MET_S_ICP** Units: **mg/Kg** Prep Date: **1/12/2023** RunNo: **61104**
Client ID: **BatchQC** Batch ID: **17884** TestNo: **SW6010B** **3050B** Analysis Date: **1/12/2023** SeqNo: **681747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.5	0.493	49.31	2.276	83.5	46.8	118	43.54	0.170	3.97	
Barium	251	0.247	49.31	208.1	86.9	29	167	249.0	0.789	14.4	
Cadmium	43.7	0.247	49.31	1.893	84.7	61.2	115	43.74	0.169	2.93	
Chromium	48.5	0.247	49.31	6.990	84.2	44.9	122	48.72	0.406	4.69	
Lead	54.5	0.123	49.31	18.21	73.7	20.2	147	54.44	0.181	3.91	
Selenium	42.9	0.493	49.31	2.694	81.6	44.9	117	43.07	0.287	3.14	
Silver	14.1	0.0493	24.65	0.8820	53.6	69.2	109	13.60	3.61	4.3	S

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
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S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW7.3.3.2**

Sample ID: **MB-R61106** SampType: **MBLK** TestCode: **REACTCN** Units: **ppm** Prep Date: RunNo: **61110**
Client ID: **PBW** Batch ID: **R61110** TestNo: **SW7.3.3.2** Analysis Date: **1/13/2023** SeqNo: **681797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive	< 0.0417	0.0417									

Sample ID: **LCS-R61106** SampType: **LCS** TestCode: **REACTCN** Units: **ppm** Prep Date: RunNo: **61110**
Client ID: **LCSW** Batch ID: **R61110** TestNo: **SW7.3.3.2** Analysis Date: **1/13/2023** SeqNo: **681798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Reactive	0.300	0.0417	0.9620	0	31.1	0	120				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW7.3.4.2**

Sample ID: **MB-R61106** SampType: **MBLK** TestCode: **REACTS** Units: **ppm** Prep Date: RunNo: **61114**
Client ID: **PBW** Batch ID: **R61114** TestNo: **SW7.3.4.2** Analysis Date: **1/13/2023** SeqNo: **681833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	< 0.104	0.104									

Sample ID: **LCS-R61106** SampType: **LCS** TestCode: **REACTS** Units: **ppm** Prep Date: RunNo: **61114**
Client ID: **LCSW** Batch ID: **R61114** TestNo: **SW7.3.4.2** Analysis Date: **1/13/2023** SeqNo: **681834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	1.55	0.104	1.670	0	93.1	0	120				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW7470A**

Sample ID: **MB-R61083**	SampType: **MBLK**	TestCode: **HG_WW**	Units: **mg/L**	Prep Date:	RunNo: **61083**
Client ID: **PBW**	Batch ID: **R61083**	TestNo: **SW7470A**		Analysis Date: **1/11/2023**	SeqNo: **681402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0000500	0.0000500									

Sample ID: **LCS-R61083**	SampType: **LCS**	TestCode: **HG_WW**	Units: **mg/L**	Prep Date:	RunNo: **61083**
Client ID: **LCSW**	Batch ID: **R61083**	TestNo: **SW7470A**		Analysis Date: **1/11/2023**	SeqNo: **681403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000975	0.0000500	0.001000	0	97.5	85	115				

Sample ID: **2301040-001CMS**	SampType: **MS**	TestCode: **HG_WW**	Units: **mg/L**	Prep Date:	RunNo: **61083**
Client ID: **BatchQC**	Batch ID: **R61083**	TestNo: **SW7470A**		Analysis Date: **1/11/2023**	SeqNo: **681405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000959	0.0000500	0.001000	0	95.9	90.9	110				

Sample ID: **2301040-001CMSD**	SampType: **MSD**	TestCode: **HG_WW**	Units: **mg/L**	Prep Date:	RunNo: **61083**
Client ID: **BatchQC**	Batch ID: **R61083**	TestNo: **SW7470A**		Analysis Date: **1/11/2023**	SeqNo: **681406**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000963	0.0000500	0.001000	0	96.3	90.9	110	0.0009591	0.416	3.72	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW7470A**

Sample ID: **2301060-003AMS** SampType: **MS** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **61083**
Client ID: **BatchQC** Batch ID: **R61083** TestNo: **SW7470A** Analysis Date: **1/11/2023** SeqNo: **681411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000975	0.0000500	0.001000	0	97.5	90.9	110				

Sample ID: **2301060-003AMSD** SampType: **MSD** TestCode: **HG_WW** Units: **mg/L** Prep Date: RunNo: **61083**
Client ID: **BatchQC** Batch ID: **R61083** TestNo: **SW7470A** Analysis Date: **1/11/2023** SeqNo: **681412**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.000974	0.0000500	0.001000	0	97.4	90.9	110	0.0009751	0.0718	3.72	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW7471B**

Sample ID: **MB-R61169** SampType: **MBLK** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **61169**
Client ID: **PBS** Batch ID: **R61169** TestNo: **SW7471B** Analysis Date: **1/18/2023** SeqNo: **682687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.0250	0.0250									

Sample ID: **LCS-R61169** SampType: **LCS** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **61169**
Client ID: **LCSS** Batch ID: **R61169** TestNo: **SW7471B** Analysis Date: **1/18/2023** SeqNo: **682688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.219	0.0250	0.2183	0	100	80	120				

Sample ID: **2301214-001AMS** SampType: **MS** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **61169**
Client ID: **BatchQC** Batch ID: **R61169** TestNo: **SW7471B** Analysis Date: **1/18/2023** SeqNo: **682690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.224	0.0250	0.2183	0	103	87.6	120				

Sample ID: **2301214-001AMSD** SampType: **MSD** TestCode: **HG_S** Units: **mg/Kg** Prep Date: RunNo: **61169**
Client ID: **BatchQC** Batch ID: **R61169** TestNo: **SW7471B** Analysis Date: **1/18/2023** SeqNo: **682691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.224	0.0250	0.2183	0	103	87.6	120	0.2245	0.312	3.65	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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

QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW8260C**

Sample ID: **MB-R61128** SampType: **MBLK** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **61128**
Client ID: **PBW** Batch ID: **R61128** TestNo: **SW8260C** Analysis Date: **1/16/2023** SeqNo: **682083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	< 0.00500	0.00500									
1,2-Dichloroethane	< 0.00500	0.00500									
2-Butanone	< 0.00500	0.00500									
Benzene	< 0.00500	0.00500									
Carbon tetrachloride	< 0.00500	0.00500									
Chlorobenzene	< 0.00500	0.00500									
Chloroform	< 0.00500	0.00500									
Tetrachloroethene	< 0.00500	0.00500									
Trichloroethene	< 0.00500	0.00500									
Vinyl chloride	< 0.00500	0.00500									
Surr: 4-Bromofluorobenzene	44.6		50.00		89.1	65.4	142				
Surr: Dibromofluoromethane	50.9		50.00		102	67.5	144				
Surr: Toluene-d8	49.2		50.00		98.4	79.7	127				

Sample ID: **LCS-R61128** SampType: **LCS** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **61128**
Client ID: **LCSW** Batch ID: **R61128** TestNo: **SW8260C** Analysis Date: **1/16/2023** SeqNo: **682084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.107	0.00500	0.100	0	107	80	120				
Benzene	0.116	0.00500	0.100	0	116	80	120				
Chlorobenzene	0.0959	0.00500	0.100	0	95.9	80	120				
Trichloroethene	0.112	0.00500	0.100	0	112	80	120				
Surr: 4-Bromofluorobenzene	47.7		50.00		95.3	65.4	142				
Surr: Dibromofluoromethane	45.9		50.00		91.8	67.5	144				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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

QC SUMMARY REPORT

WO#: **2301107**
19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW8260C**

Sample ID: **LCS-R61128** SampType: **LCS** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **61128**
Client ID: **LCSW** Batch ID: **R61128** TestNo: **SW8260C** Analysis Date: **1/16/2023** SeqNo: **682084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	46.8		50.00		93.6	79.7	127				

Sample ID: **2301076-001AMS** SampType: **MS** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **61128**
Client ID: **BatchQC** Batch ID: **R61128** TestNo: **SW8260C** Analysis Date: **1/16/2023** SeqNo: **682086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	2.20	0.100	2.00	0	110	64.9	134				
Benzene	2.19	0.100	2.00	0	109	69.2	124				
Chlorobenzene	1.89	0.100	2.00	0	94.7	78.3	125				
Trichloroethene	2.23	0.100	2.00	0	112	74.1	125				
Surr: 4-Bromofluorobenzene	1,000		1,000		100	65.4	142				
Surr: Dibromofluoromethane	1,080		1,000		108	67.5	144				
Surr: Toluene-d8	985		1,000		98.5	79.7	127				

Sample ID: **2301076-001AMSD** SampType: **MSD** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **61128**
Client ID: **BatchQC** Batch ID: **R61128** TestNo: **SW8260C** Analysis Date: **1/16/2023** SeqNo: **682087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	2.38	0.100	2.00	0	119	64.9	134	2.20	8.14	12	
Benzene	2.14	0.100	2.00	0	107	69.2	124	2.19	2.43	11.8	
Chlorobenzene	1.87	0.100	2.00	0	93.4	78.3	125	1.89	1.46	9.14	
Trichloroethene	2.22	0.100	2.00	0	111	74.1	125	2.23	0.800	13.9	
Surr: 4-Bromofluorobenzene	991		1,000		99.1	65.4	142		0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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

QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW8260C**

Sample ID: **2301076-001AMSD** SampType: **MSD** TestCode: **8260_W** Units: **mg/L** Prep Date: RunNo: **61128**
Client ID: **BatchQC** Batch ID: **R61128** TestNo: **SW8260C** Analysis Date: **1/16/2023** SeqNo: **682087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	1,090		1,000		109	67.5	144		0	0	
Surr: Toluene-d8	942		1,000		94.2	79.7	127		0	0	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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QC SUMMARY REPORT

WO#: **2301107**
19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW8270D**

Sample ID: **MB-17912** SampType: **MBLK** TestCode: **8270_W** Units: **mg/L** Prep Date: **1/16/2023** RunNo: **61148**
Client ID: **PBW** Batch ID: **17912** TestNo: **SW8270D** **SW3510C** Analysis Date: **1/17/2023** SeqNo: **682411**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	< 0.0100	0.0100									
2,4,5-Trichlorophenol	< 0.0100	0.0100									
2,4,6-Trichlorophenol	< 0.0100	0.0100									
2,4-Dinitrotoluene	< 0.0100	0.0100									
2-Methylphenol	< 0.0100	0.0100									
Hexachlorobenzene	< 0.0100	0.0100									
Hexachlorobutadiene	< 0.0100	0.0100									
Hexachloroethane	< 0.0100	0.0100									
Nitrobenzene	< 0.0100	0.0100									
Pentachlorophenol	< 0.0100	0.0100									
Pyridine	< 0.0100	0.0100									
Surr: 2,4,6-Tribromophenol	68.9		100.0		68.9	5	134				
Surr: 2-Fluorobiphenyl	30.1		50.00		60.3	5	105				
Surr: 2-Fluorophenol	44.4		100.0		44.4	5	95.4				
Surr: Nitrobenzene-d5	31.4		50.00		62.8	5	126				
Surr: Phenol-d5	44.3		100.0		44.3	5	95.6				
Surr: Terphenyl-d14	28.4		50.00		56.8	5	116				

Sample ID: **LCS-17912** SampType: **LCS** TestCode: **8270_W** Units: **mg/L** Prep Date: **1/16/2023** RunNo: **61148**
Client ID: **LCSW** Batch ID: **17912** TestNo: **SW8270D** **SW3510C** Analysis Date: **1/17/2023** SeqNo: **682412**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	0.0284	0.0100	0.0500	0	56.7	37.8	75.3				
2,4,5-Trichlorophenol	0.0419	0.0100	0.0500	0	83.7	59.7	115				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

Original

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

QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW8270D**

Sample ID: **LCS-17912** SampType: **LCS** TestCode: **8270_W** Units: **mg/L** Prep Date: **1/16/2023** RunNo: **61148**
Client ID: **LCSW** Batch ID: **17912** TestNo: **SW8270D** **SW3510C** Analysis Date: **1/17/2023** SeqNo: **682412**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	0.0397	0.0100	0.0500	0	79.4	63.9	108				m
2,4-Dinitrotoluene	0.0414	0.0100	0.0500	0	82.7	51.6	114				
2-Methylphenol	0.0352	0.0100	0.0500	0	70.5	41.1	103				
Hexachlorobenzene	0.0404	0.0100	0.0500	0	80.9	21.7	115				
Hexachlorobutadiene	0.0358	0.0100	0.0500	0	71.5	18	91.9				
Hexachloroethane	0.0260	0.0100	0.0500	0	52.0	25.3	85.6				
Nitrobenzene	0.0343	0.0100	0.0500	0	68.6	46.2	88.7				
Pentachlorophenol	0.0548	0.0100	0.0500	0	110	7.8	151				
Pyridine	< 0.0100	0.0100	0.0500	0	0	5	81.9				S
Surr: 2,4,6-Tribromophenol	83.8		100.0		83.8	5	134				
Surr: 2-Fluorobiphenyl	37.6		50.00		75.1	5	105				
Surr: 2-Fluorophenol	54.3		100.0		54.3	5	95.4				
Surr: Nitrobenzene-d5	34.5		50.00		69.0	5	126				
Surr: Phenol-d5	56.3		100.0		56.3	5	95.6				
Surr: Terphenyl-d14	40.4		50.00		80.8	5	116				

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

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

QC SUMMARY REPORT

WO#: **2301107**

19-Jan-23

Client: Midway Environmental Service, Inc
Project: Internal Waste Stream **TestNo:** **SW9045D**

Sample ID: **LCS-R61166**	SampType: **LCS**	TestCode: **CORROS**	Units: **pH Units**	Prep Date:	RunNo: **61166**
Client ID: **LCSS**	Batch ID: **R61166**	TestNo: **SW9045D**		Analysis Date: **1/18/2023**	SeqNo: **682636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	8.95	0.100	9.000	0	99.4	80	120				

Sample ID: **2301107-001ADUP**	SampType: **DUP**	TestCode: **CORROS**	Units: **pH Units**	Prep Date:	RunNo: **61166**
Client ID: **Filter Cake**	Batch ID: **R61166**	TestNo: **SW9045D**		Analysis Date: **1/18/2023**	SeqNo: **682638**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.48	0.100						7.490	0.134	0.631	

Qualifiers:

H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
PL	Permit Limit	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified at testcode		

2301107

CHAIN OF CUSTODY RECORD

Page: 1 of 1

MID-WAY

Mid-Way Environmental Services, Inc.
900536 S. 3490 Rd, Chandler, OK 74834

PROFILE NUMBER:
No profile number - internal waste stream

Generator Information		Customer Information (if different from Generator)	
PO:		PO	
Company:	Mid-Way Environmental Services, Inc.	Company:	Mid-Way Environmental
Report to:	Ron Morgan	Report to:	Ron Morgan
Address:	10010 E 16th Street	Address:	10010 E 16th Street
	Tulsa, OK 74128		Tulsa, OK 74128
E-mail:	Rmorgan@Mid-WayEnvironmental.com	E-mail:	Rmorgan@Mid-WayEnvironmental.com
Phone:	(918) 606-0103	Phone:	(918) 606-0103
Fax:		Fax:	

Special Instructions:

No.	Sample Description	Date	Time	Type	Matrix	# Containers	Method 4500 CN E-2011-Cyanide	Method 4500-Sulfides	Method 9040C - Corrosivity by pH	Method D93/1010A - Flashpoint (F)	Method 7470A - Mercury	Method 6010B RCRA Metals (ICP)	Method EPA 1311 - TCLP RCRA 8	Method EPA 8260B - TCLP VOC's	Method 8270 TCLP-Semivol Org Comp	TSS	TOC	TDS		MES FINGERPRINT ANALYSIS	COMMENTS
1	Filter Cake	6-Jan-23	10:00 AM			1	x	x	x	x	x		x	x	x						
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

GREEN COUNTRY TE...
CHAIN OF CUSTO...
ATTACHMENT
OF ...

Sampler: | Shipment Method: Hand Carried | **Date Due:**

1. Relinquished by:	Date:	2. Received by:	Date:	3. Relinquished by:	Date:	4. Received by:	Date:
Dave Osborne	6-Jan-23	Ron Morgan	11-Jan-23	Ron Morgan	1-10-23		1/10/23
Company:	Time:	Company:	Time:	Company:	Time:	Company: GRT	Time: 13:15
Mid-Way Env	11:00 AM	Mid-Way Env	8:00 AM	Mid-Way Env	1:15PM		
1. Relinquished by:	Date:	2. Received by:	Date:	3. Relinquished by:	Date:	4. Received by:	Date:
Company:	Time:	Company:	Time:	Company:	Time:	Company:	Time:

Comments: Recd' on ice @ 14.1°C

Standard or RUSH turn | **Other**

Cooler Temp:

Center Point Landfill

10142 2 S. 3570 Road
Prague, OK 74864
PH:(405) 567-3806 Fax:(405) 567-2427

REPRINT

TICKET#	DATE	WEIGHMASTER	
CP59339	4/24/24	Carla	
TIME IN	TIME OUT	TRUCK #	CONTAINER
10:30 am	10:48 am	CD140	
REFERENCE		ORIGIN	
Trv/CD140/MidwayEnviro#50			

001006
Central Disposal
4650 N. Harrison
Shawnee, OK 74804

INVOICE
INBOUND

GROSS WEIGHT 63,220lbs Manual In
TARE WEIGHT 36,260lbs Scale Out
NET WEIGHT 26,960lbs

QTY.	UNIT	DESCRIPTION	RATE	TOTAL
13.48	tn	Waste Water Treatment Sludge	$14.00	$188.72
1.00		DEQ Fee ($1.25/tn)	$1.25	$16.85

6

TOTAL
$ 205.57
PAID
$ 0.00
CHANGE DUE
$ 0.00
CHECK #

SIGNATURE Travis Zachary

MID-WAY
ENVIRONMENTAL SERVICES, INC.

Non-Hazardous Waste Manifest

Metered gals _____ (facility use only)

Manifest #: #50

Generator Information

Generator's Name: Mid-Way Environmental Services, Inc.
Site Address: 900536 S 3490 Road
City, State, Zip: Chandler, OK 74834
Phone Number: 918-290-9530
Contact: David Osborne

Mailing Address: (if different than site address)
P.O. Box 569
Stroud, OK 74079
Emergency Phone:
EPA ID#: PO #:

Designated Facility Information

Centerpoint Landfill
101422 S 3570 Road
Prague, OK 74864

Facility's Permit No: 3541013
Facility's Phone No: (405)567-3806

Waste Stream Information

Profile Number	Waste Name	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QTY	UNIT
102-421	Filter Cake Non Haz/Solids		Box	10yd	

Additional Information

Generator's Certification: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

David Osborne	[signature]	4/25/24
Generator/Offeror's Printed/Typed Name	Signature	Shipment Date

Transporter Information

Transporter Name: Central Disposal
Address: N Harrison
City, State, Zip:
Phone Number: 405-275-0900

Driver Name (Print:) Travis Zackery
Tag #: V82537 Truck #: 140
USDOT #:
EPA ID #:

I hereby certify that the above named material was picked up at the generator site listed above.

Travis Zackery 4/24/2024
Driver Signature Date of Shipment

I hereby certify that the above named material was delivered without incident to the destination listed above.

Travis Zacky 4/24/2024
Driver Signature Date of Delivery

Discrepancy:

Designated Facility Owner or Operator: **Certification of receipt of materials covered by the manifest except as noted in Discrepancy Section**

Carla McEntire	[signature]	4/24/24
Printed/Typed Name	Signature	Date of Receipt

White - Designated Facility *Yellow - Designated Facility to Generator* *Pink - Transporter* *Gold - Generator's Initial Copy*

Environmental Landfill, Inc.

ng the Industry in Environmental Compliance

Hazardous Waste Manifest

705

AMERICAN ENVIRON. LANDFILL
A.E.L.
1420 W. 35TH ST., SUITE B
TULSA, OK. 74107-3814

Weighed: Micki King
Deposit: Laura King

BILL TO: 451
Mid-Way Environmental Services
120 N 8th Ave
Stroud OK 74079

Vehicle ID: LIN-705
Reference: MN451MWE03
Generator: MID WAY ENVIRONMENTAL SERIVICE
Street: 900536 S 3490 RD
City/State: CHANDLER, OK 74536

DATE IN: 06/27/24 TIME IN: 14:54.16
DATE OUT: 06/27/24 TIME OUT: 15:12.53

INBOUND
Ticket Number: 01-01024980

SCALE 1 GROSS WEIGHT	69940	LB
SCALE 2 TARE WEIGHT	36780	LB
NET WEIGHT	33160	LB

Qty	Description	Amount
16.58	Liquid Density 10 LB	1326.40
	State Fee	20.73
	FSC	24.87
	TICKET AMOUNT:	1372.00

X _____

***

Generator

Services ✓

74079
Zip ✓

73834
Zip

3-290-9530

Manifest Job No. 62724A

Bill to Name: Mid-Way Environmental Services ✓

Address: P.O. Box569

Stroud Ok. 74079
City State Zip

Contact: Venita Kerby 918-968-0729
Name Phone

	Container No.	Container Type	Total Quantity	Unit
✓	1	TT		G
Vdge			16.58	T

azardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly
dition for transportation according to applicable regulations.

Signature

6-27-24
Shipment Date

Transporter

on Inc. ✓

Driver Name (Print): Lonnie Holbert

Tag No. 708171 State: OK

USDOTNo. 919335

the

I hereby certify that the above named material was delivered without incident to the destination listed below.

27.24
Date

Lonnie Holbert
Driver Signature

6 27 24
Delivery Date

Destination

American Environmental Landfill, Inc.
212 N. 177th W Ave.
Sand Springs, OK 74063

Phone: (918) 245-7786
Fax: (918) 245-7774
Permit No: 3557021

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is accurate.

Laura King Micki King Josey Adkison
Name of Authorized Agent

Signature

6-27-24
Receipt Date

White - Destination Retention • Yellow - Return to Bill to • Pink - Transporter Retain • Goldenrod - Generator Retain

AMERICAN ENVIRON. LANDFILL
A.E.L.
1420 W. 35TH ST., SUITE B
TULSA, OK. 74107-3814

Weighed: Micki King
Deposit: Laura King

BILL TO: 451
Mid-Way Environmental Services
120 N 8th Ave
Stroud OK 74079

Vehicle ID: LIN-728
Reference: MN451MWE03
Generator: MID WAY ENVIRONMENTAL SERIVICE
Street: 900536 S 3490 RD
City/State: CHANDLER, OK 74536

DATE IN: 06/27/24 TIME IN: 14:56.20
DATE OUT: 06/27/24 TIME OUT: 15:14.03

INBOUND
Ticket Number: 01-01024981

SCALE 1 GROSS WEIGHT	78280	LB
SCALE 2 TARE WEIGHT	37560	LB
NET WEIGHT	40720	LB

Qty	Description	Amount
20.36	Liquid Density 10 LB	1628.80
	State Fee	25.45
	FSC	30.54
	TICKET AMOUNT:	1684.79

X_____

n Environmental Landfill, Inc.

ding the Industry in Environmental Compliance

-Hazardous Waste Manifest

728

Generator

al Services

k. 74079
e Zip

k. 73834
e Zip

8-290-9530
ne

Manifest Job No. 627245

Bill to Name: Mid-Way Environmental Services

Address: P.O. Box569

Stroud Ok. 74079
City State Zip

Contact: Venita Kerby 918-968-0729
Name Phone

	Container No.	Container Type	Total Quantity	Unit
3	1	TT		G
dge			20.36T	

hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly
ndition for transportation according to applicable regulations.

Signature

6-27-24
Shipment Date

Transporter

tion Inc.

79

Driver Name (Print): Charles Peterson

Tag No. 697195 OK State: OK

USDOTNo. 919335

t the

-27-24
p Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

6-27-24
Delivery Date

Destination

American Environmental Landfill, Inc.
212 N. 177th W Ave.
Sand Springs, OK 74063

Phone: (918) 245-7786
Fax: (918) 245-7774
Permit No: 3557021

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is accurate.

Laura King Micki King Josey Adkison
Name of Authorized Agent

Signature

6-27-24
Receipt Date

White - Destination Retention • Yellow - Return to Bill to • Pink - Transporter Retain • Goldenrod - Generator Retain

n Environmental Landfill, Inc.

ding the Industry in Environmental Compliance

-Hazardous Waste Manifest

105

Generator

Services ✓

74079 Zip ✓

73834 Zip

290-9530

Manifest Job No. 62824A

Bill to Name: Mid-Way Environmental Services ✓

Address: P.O. Box569

Stroud Ok. 74079

City State Zip

Contact: Venita Kerby 918-968-0729

Name Phone

	Container No.	Container Type	Total Quantity	Unit
✓	1	TT	20.59	G

lous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly
n for transportation according to applicable regulations.

Signature 6-28-24 Shipment Date

Transporter

c. ✓

Driver Name (Print): Lonnie Holbert

Tag No. 708171 State: OK

USDOTNo. 919335

I h
ge

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driv *** 6-28-24 Ship Date

Lonnie Holbert Driver Signature

6-28-24 Delivery Date

AMERICAN ENVIRON. LANDFILL
A.E.L.
1420 W. 35TH ST., SUITE B
TULSA, OK. 74107-3814

Weighed: Micki King
Deposit: Laura King

BILL TO: 451
Mid-Way Environmental Services
120 N 8th Ave
Stroud OK 74079

Vehicle ID: LIN-705
Reference: MN451MWE03
Generator: MID WAY ENVIRONMENTAL SERIVICE
Street: 900536 S 3490 RD
City/State: CHANDLER, OK 74536

DATE IN: 06/28/24 TIME IN: 10:01.35
DATE OUT: 06/28/24 TIME OUT: 10:20.27

INBOUND
Ticket Number: 01-01025112

SCALE 1 GROSS WEIGHT	78380	LB
SCALE 2 TARE WEIGHT	37200	LB
NET WEIGHT	41180	LB

Qty	Description	Amount
20.59	Liquid Density 10 LB	1647.20
	State Fee	25.74
	FSC	30.89
	TICKET AMOUNT:	1703.83

X

Destination

American Environmental Landfill, Inc. ✓
212 N. 177th W Ave.
Sand Springs, OK 74063

Phone: (918) 245-7786
Fax: (918) 245-7774
Permit No: 3557021

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is accurate.

Laura King Micki King Josey Adkison

Name of Authorized Agent

Signature

6-28-24 Receipt Date

White - Destination Retention • Yellow - Return to Bill to • Pink - Transporter Retain • Goldenrod - Generator Retain

n Environmental Landfill, Inc.

ading the Industry in Environmental Compliance

-Hazardous Waste Manifest

AMERICAN ENVIRON. LANDFILL
A.E.L.
1420 W. 35TH ST., SUITE B
TULSA, OK. 74107-3814

Weighed: Micki King
Deposit: Laura King

BILL TO: 451
Mid-Way Environmental Services
120 N 8th Ave
Stroud OK 74079

Vehicle ID: LIN-728
Reference: MN451MWE03
Generator: MID WAY ENVIRONMENTAL SERIVICE
Street: 900536 S 3490 RD
City/State: CHANDLER, OK 74536

DATE IN: 06/28/24 TIME IN: 11:52.06
DATE OUT: 06/28/24 TIME OUT: 12:10.33

INBOUND
Ticket Number: 01-01025173

SCALE 1 GROSS WEIGHT	80080	LB
SCALE 2 TARE WEIGHT	38880	LB
NET WEIGHT	41200	LB

Qty	Description	Amount
20.60	Liquid Density 10 LB	1648.00
	State Fee	25.75
	FSC	30.90
	TICKET AMOUNT:	1704.65

X_____

Generator

l Services ✓

. 74079
Zip

✓

73834
Zip

-290-9530

Manifest Job No. 62824-C ✓

Bill to Name: Mid-Way Environmental Services

Address: P.O. Box569

Stroud Ok. 74079
City State Zip

Contact: Venita Kerby 918-968-0729
Name Phone

	Container No.	Container Type	Total Quantity	Unit
✓	1	TT	20.60	G

rdous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly
ion for transportation according to applicable regulations.

Signature

6-28-24
Shipment Date

Transporter

Inc.

Driver Name (Print): Charles Peterson

Tag No. 697-193 State: OK

USDOTNo. 919335

I hereby certify that the above named material was delivered without incident to the destination listed below.

***

-24
Ship Date

Driver Signature

6-28-24
Delivery Date

Destination

American Environmental Landfill, Inc.
212 N. 177th W Ave.
Sand Springs, OK 74063

Phone: (918) 245-7786
Fax: (918) 245-7774
Permit No: 3557021

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is accurate.

Laura King Micki King Josey Adkison
Name of Authorized Agent

Signature

6-28-24
Receipt Date

White - Destination Retention • Yellow - Return to Bill to • Pink - Transporter Retain • Goldenrod - Generator Retain

n Environmental Landfill, Inc.

ading the Industry in Environmental Compliance

-Hazardous Waste Manifest

704

AMERICAN ENVIRON. LANDFILL
A.E.L.
1420 W. 35TH ST., SUITE B
TULSA, OK. 74107-3814

Weighed: Micki King
Deposit: Laura King

BILL TO: 451
Mid-Way Environmental Services
120 N 8th Ave
Stroud OK 74079

Vehicle ID: LIN-704
Reference: MN451MWE03
Generator: MID WAY ENVIRONMENTAL SERVICE
Street: 900536 S 3490 RD
City/State: CHANDLER, OK 74536

DATE IN: 06/28/24 TIME IN: 11:53.31
DATE OUT: 06/28/24 TIME OUT: 12:08.32

INBOUND
Ticket Number: 01-01025174

SCALE 1 GROSS WEIGHT	79840	LB
SCALE 2 TARE WEIGHT	38280	LB
NET WEIGHT	41560	LB

Qty	Description	Amount
20.78	Liquid Density 10 LB	1662.40
	State fee	25.98
	FSC	31.17
	TICKET AMOUNT:	1719.55

X _____

Generator

l Services ✓

. 74079
Zip

73834
Zip

-290-9530

Manifest Job No. 62824-A

Bill to Name: Mid-Way Environmental Services ✓

Address: P.O. Box569

Stroud Ok. 74079
City State Zip

Contact: Venita Kerby 918-968-0729
Name Phone

	Container No.	Container Type	Total Quantity	Unit
✓	1	TT	20.78	G

ırdous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly
ion for transportation according to applicable regulations.

Signature

6-28-24
Shipment Date

Transporter

Inc.

Driver Name (Print): Dalton Perry 708-185 OK

Tag No. _____ State: _____

USDOTNo. 919335

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

6-28-24
Ship Date

Dalton Perry
Driver Signature

6-28-24
Delivery Date

Destination

American Environmental Landfill, Inc.
212 N. 177th W Ave.
Sand Springs, OK 74063

Phone: (918) 245-7786
Fax: (918) 245-7774
Permit No: 3557021

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is accurate.

Laura King Micki King Josey Adkison
Name of Authorized Agent

Signature

6-28-24
Receipt Date

White - Destination Retention • Yellow - Return to Bill to • Pink - Transporter Retain • Goldenrod - Generator Retain

n Environmental Landfill, Inc.

ading the Industry in Environmental Compliance

-Hazardous Waste Manifest

105

AMERICAN ENVIRON. LANDFILL
A.E.L.
1420 W. 35TH ST., SUITE B
TULSA, OK. 74107-3814

Weighed: Micki King
Deposit: Micki King

BILL TO: 451
Mid-Way Environmental Services
120 N 8th Ave
Stroud OK 74079

Vehicle ID: LIN-705
Reference: MN451MWE03
Generator: MID WAY ENVIRONMENTAL SERIVICE
Street: 900536 S 3490 RD
City/State: CHANDLER, OK 74536

DATE IN: 06/28/24 TIME IN: 14:19.36
DATE OUT: 06/28/24 TIME OUT: 14:52.08

INBOUND
Ticket Number: 01-01025247

SCALE 1 GROSS WEIGHT	64800	LB
SCALE 2 TARE WEIGHT	37660	LB
NET WEIGHT	27140	LB

Qty	Description	Amount
13.57	Liquid Density 10 LB	1085.60
	State Fee	16.96
	FSC	20.36
	TICKET AMOUNT:	1122.92

X_____

Generator

l Services ✓

K. 74079
Zip

. 73834
Zip

3-290-9530

Manifest Job No. 628240

Bill to Name: Mid-Way Environmental Services ✓

Address: P.O. Box569

Stroud Ok. 74079
City State Zip

Contact: Venita Kerby 918-968-0729
Name Phone

	Container No.	Container Type	Total Quantity	Unit
✓	1	TT	13.57	G

zardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly
ition for transportation according to applicable regulations.

Signature

6.28.24
Shipment Date

Transporter

n Inc. ✓

Driver Name (Print): Lonnie Holbert

Tag No. 708171 State: OK

USDOTNo. 919335

I hereby certify that the above named material was delivered without incident to the destination listed below.

8-24
Ship Date

Lonnie Holbert
Driver Signature

6.28.24
Delivery Date

Destination

American Environmental Landfill, Inc.
212 N. 177th W Ave.
Sand Springs, OK 74063

Phone: (918) 245-7786
Fax: (918) 245-7774
Permit No: 3557021

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is accurate.

Laura King Micki King Josey Adkison
Name of Authorized Agent

Signature

6-28-24
Receipt Date

White - Destination Retention • Yellow - Return to Bill to • Pink - Transporter Retain • Goldenrod - Generator Retain

APPENDIX E

RECORDED SEISMIC ACTIVITY

EARTHQUAKES WITHIN 10 MILES OF MES #1 INJECTION WELL
Second Quarter 2024

Date	Time (UTC)	Latitude	Longitude	Approximate Distance From MES #1 Injection Well (in Miles)	Depth (Miles)	Magnitude (ml)***	Mag Type	USGIS* ID	Location
6/24/2024	23:15:46	35.78816667	-96.6791667	8.41	7.44	0.73	ml	ok2024mgve	4 km NNW of Stroud, Oklahoma
4/26/2024	17:27:51	35.5623703	-96.7415619	9.97	3.24	1.94	ml	ok2024iema	8 km SE of Sparks, Oklahoma
4/22/2024	15:15:56	35.56316667	-96.7351667	9.98	4.65	1.13	ml	ok2024hvkw	9 km ESE of Sparks, Oklahoma

*USGS - United States Geological Survey
**Km - Kilometers
***ml - Local Magnitude (Richter Scale)