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ANALYTICAL REPORT

PREPARED FOR

Attn: Amanda Lupardus
Terracon Consulting Eng & Scientists
11600 Lilburn Park Road
Saint Louis, Missouri 63146

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JOB DESCRIPTION

Tonganoxie, KS Site

JOB NUMBER

310-336961-1

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls IA 50613

See page two for job notes and contact information.

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Job Notes

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Authorization



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Job ID: 310-336961-1 — Eurofins Cedar Falls

Job Narrative
310-336961-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/22/2026 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method SM 5210B: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 310-495238. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

Method SM 5210B: The USB dilution water D.O. depletion was greater than 0.2 mg/L. The associated sample results in batch 310-495238 are qualified and reported. The USB depletion was 0.50 mg/L.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Biology
Method SimPlate: Samples DW-1 (310-336961-1) and DW-2 (310-336961-2) was/were received outside of holding time.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
310-336961-1	DW-1	Water	07/21/26 12:45	07/22/26 09:45	Kansas
310-336961-2	DW-2	Water	07/21/26 14:20	07/22/26 09:45	Kansas

Detection Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Client Sample ID: DW-1

Lab Sample ID: 310-336961-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	380		2.50		ug/L	1		200.8	Total/NA
Calcium	119000		200		ug/L	1		200.8	Total/NA
Magnesium	10600		200		ug/L	1		200.8	Total/NA
Manganese	3.36		2.50		ug/L	1		200.8	Total/NA
Potassium	6190		500		ug/L	1		200.8	Total/NA
Sodium	30700		200		ug/L	1		200.8	Total/NA
Zinc	293		20.0		ug/L	1		200.8	Total/NA
Calcium hardness as CaCO3	297		0.500		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as CaCO3	43.8		0.410		mg/L	1		SM 2340B	Total/NA
Hardness as calcium carbonate	340		0.910		mg/L	1		SM 2340B	Total/NA
Nitrate as N	0.107		0.100		mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.532		0.100		mg/L	1		365.1	Total/NA
Sulfate	81.0		25.0		mg/L	5		D516-16	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	232		5.00		mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	462		50.0		mg/L	1		SM 2540C	Total/NA
Chloride	57.9		2.00		mg/L	1		SM 4500 Cl- E	Total/NA
Total Organic Carbon	2.07		1.00		mg/L	1		SM 5310C	Total/NA
Silica (SiO2)	29.2		2.00		mg/L	2		SM4500 SiO2 C	Dissolved
Heterotrophic Plate Count	0.20	H	0.20		MPN/mL	1		SimPlate	Total/NA

Client Sample ID: DW-2

Lab Sample ID: 310-336961-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	102		2.50		ug/L	1		200.8	Total/NA
Calcium	72200		200		ug/L	1		200.8	Total/NA
Iron	147		100		ug/L	1		200.8	Total/NA
Magnesium	23000		200		ug/L	1		200.8	Total/NA
Manganese	3.11		2.50		ug/L	1		200.8	Total/NA
Potassium	7310		500		ug/L	1		200.8	Total/NA
Sodium	51000		200		ug/L	1		200.8	Total/NA
Calcium hardness as CaCO3	180		0.500		mg/L	1		SM 2340B	Total/NA
Magnesium hardness as CaCO3	94.8		0.410		mg/L	1		SM 2340B	Total/NA
Hardness as calcium carbonate	275		0.910		mg/L	1		SM 2340B	Total/NA
Turbidity	1.8		1.0		NTU	1		180.1	Total/NA
Nitrate as N	0.933		0.100		mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.232		0.100		mg/L	1		365.1	Total/NA
Sulfate	140		25.0		mg/L	5		D516-16	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	191		5.00		mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	424		50.0		mg/L	1		SM 2540C	Total/NA
Chloride	29.7		2.00		mg/L	1		SM 4500 Cl- E	Total/NA
Total Organic Carbon	2.31		1.00		mg/L	1		SM 5310C	Total/NA
Silica (SiO2)	14.7		2.00		mg/L	2		SM4500 SiO2 C	Dissolved
Heterotrophic Plate Count	0.40	H	0.20		MPN/mL	1		SimPlate	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Client Sample ID: DW-1

Date Collected: 07/21/26 12:45
Date Received: 07/22/26 09:45

Lab Sample ID: 310-336961-1

Matrix: Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**380**		2.50		ug/L		07/29/26 11:00	08/03/26 15:28	1
Calcium	**119000**		200		ug/L		07/29/26 11:00	08/03/26 15:28	1
Copper	<2.00		2.00		ug/L		07/29/26 11:00	08/03/26 15:28	1
Iron	<100		100		ug/L		07/29/26 11:00	08/03/26 15:28	1
Magnesium	**10600**		200		ug/L		07/29/26 11:00	08/03/26 15:28	1
Manganese	**3.36**		2.50		ug/L		07/29/26 11:00	08/03/26 15:28	1
Potassium	**6190**		500		ug/L		07/29/26 11:00	08/03/26 15:28	1
Sodium	**30700**		200		ug/L		07/29/26 11:00	08/03/26 15:28	1
Zinc	**293**		20.0		ug/L		07/29/26 11:00	08/03/26 15:28	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium hardness as CaCO3	**297**		0.500		mg/L			08/03/26 16:16	1
Magnesium hardness as CaCO3	**43.8**		0.410		mg/L			08/03/26 16:16	1
Hardness as calcium carbonate	**340**		0.910		mg/L			08/03/26 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity (EPA 180.1)	<1.0		1.0		NTU			07/22/26 10:53	1
Ammonia as N (EPA 350.1)	<0.500		0.500		mg/L			07/24/26 15:13	1
Nitrate as N (EPA 353.2)	**0.107**		0.100		mg/L			07/22/26 14:54	1
Total Phosphorus as P (EPA 365.1)	**0.532**		0.100		mg/L			07/23/26 16:00	1
Sulfate (ASTM D516-16)	**81.0**		25.0		mg/L			07/24/26 12:20	5
HEM (Oil and Grease) (EPA 1664A)	<4.8		4.8		mg/L		07/27/26 06:00	07/27/26 06:00	1
Total Suspended Solids (USGS I-3765-85)	<5.00		5.00		mg/L			07/22/26 11:12	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B)	**232**		5.00		mg/L			07/24/26 14:30	1
Total Dissolved Solids (SM 2540C)	**462**		50.0		mg/L			07/24/26 07:51	1
Chloride (SM 4500 Cl- E)	**57.9**		2.00		mg/L			07/28/26 13:52	1
Total Organic Carbon (SM 5310C)	**2.07**		1.00		mg/L			07/28/26 11:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand 5 Day (SM 5210B)	<3.00	*-	3.00		mg/L			07/22/26 10:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silica (SiO2) (SM4500 SiO2 C)	**29.2**		2.00		mg/L			07/29/26 00:17	2

Method: IDEXX Colilert-18 - Coliforms, Fecal (Colilert-18 - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.0		1.0		MPN/100mL			07/21/26 17:26	1

Method: IDEXX SimPlate - Heterotrophic Plate Count (HPC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Heterotrophic Plate Count	**0.20**	**H**	0.20		MPN/mL			07/23/26 10:25	1

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Client Sample ID: DW-2

Date Collected: 07/21/26 14:20
Date Received: 07/22/26 09:45

Lab Sample ID: 310-336961-2

Matrix: Water

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**102**		2.50		ug/L		07/29/26 11:00	08/03/26 15:30	1
Calcium	**72200**		200		ug/L		07/29/26 11:00	08/03/26 15:30	1
Copper	<2.00		2.00		ug/L		07/29/26 11:00	08/03/26 15:30	1
Iron	**147**		100		ug/L		07/29/26 11:00	08/03/26 15:30	1
Magnesium	**23000**		200		ug/L		07/29/26 11:00	08/03/26 15:30	1
Manganese	**3.11**		2.50		ug/L		07/29/26 11:00	08/03/26 15:30	1
Potassium	**7310**		500		ug/L		07/29/26 11:00	08/03/26 15:30	1
Sodium	**51000**		200		ug/L		07/29/26 11:00	08/03/26 15:30	1
Zinc	<20.0		20.0		ug/L		07/29/26 11:00	08/03/26 15:30	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium hardness as CaCO3	**180**		0.500		mg/L			08/03/26 16:16	1
Magnesium hardness as CaCO3	**94.8**		0.410		mg/L			08/03/26 16:16	1
Hardness as calcium carbonate	**275**		0.910		mg/L			08/03/26 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity (EPA 180.1)	**1.8**		1.0		NTU			07/22/26 10:53	1
Ammonia as N (EPA 350.1)	<0.500		0.500		mg/L			07/24/26 15:17	1
Nitrate as N (EPA 353.2)	**0.933**		0.100		mg/L			07/22/26 14:55	1
Total Phosphorus as P (EPA 365.1)	**0.232**		0.100		mg/L			07/23/26 16:04	1
Sulfate (ASTM D516-16)	**140**		25.0		mg/L			07/24/26 12:20	5
HEM (Oil and Grease) (EPA 1664A)	<5.0		5.0		mg/L		07/27/26 06:00	07/27/26 06:00	1
Total Suspended Solids (USGS I-3765-85)	<5.00		5.00		mg/L			07/22/26 11:12	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B)	**191**		5.00		mg/L			07/24/26 14:39	1
Total Dissolved Solids (SM 2540C)	**424**		50.0		mg/L			07/24/26 07:51	1
Chloride (SM 4500 Cl- E)	**29.7**		2.00		mg/L			07/28/26 13:52	1
Total Organic Carbon (SM 5310C)	**2.31**		1.00		mg/L			07/28/26 12:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand 5 Day (SM 5210B)	<3.00	*-	3.00		mg/L			07/22/26 10:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silica (SiO2) (SM4500 SiO2 C)	**14.7**		2.00		mg/L			07/29/26 00:19	2

Method: IDEXX Colilert-18 - Coliforms, Fecal (Colilert-18 - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.0		1.0		MPN/100mL			07/21/26 17:26	1

Method: IDEXX SimPlate - Heterotrophic Plate Count (HPC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Heterotrophic Plate Count	**0.40**	**H**	0.20		MPN/mL			07/23/26 10:25	1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

Biology

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 500-877126/1-A
Matrix: Water
Analysis Batch: 877883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877126

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<2.50		2.50		ug/L		07/29/26 11:00	08/03/26 15:23	1
Calcium	<200		200		ug/L		07/29/26 11:00	08/03/26 15:23	1
Copper	<2.00		2.00		ug/L		07/29/26 11:00	08/03/26 15:23	1
Iron	<100		100		ug/L		07/29/26 11:00	08/03/26 15:23	1
Magnesium	<200		200		ug/L		07/29/26 11:00	08/03/26 15:23	1
Manganese	<2.50		2.50		ug/L		07/29/26 11:00	08/03/26 15:23	1
Potassium	<500		500		ug/L		07/29/26 11:00	08/03/26 15:23	1
Sodium	<200		200		ug/L		07/29/26 11:00	08/03/26 15:23	1
Zinc	<20.0		20.0		ug/L		07/29/26 11:00	08/03/26 15:23	1

Lab Sample ID: LCS 500-877126/2-A
Matrix: Water
Analysis Batch: 877895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10000	8876		ug/L		89	85 - 115

Method: 180.1 - Turbidity, Nephelometric

Lab Sample ID: MB 310-495267/5
Matrix: Water
Analysis Batch: 495267

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	<1.0		1.0		NTU			07/22/26 10:53	1

Lab Sample ID: LCS 310-495267/6
Matrix: Water
Analysis Batch: 495267

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	20.0	18		NTU		90	90 - 110

Lab Sample ID: 310-336961-1 DU
Matrix: Water
Analysis Batch: 495267

Client Sample ID: DW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Turbidity	<1.0		<1.0		NTU		NC	35

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 310-495595/16
Matrix: Water
Analysis Batch: 495595

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.500		0.500		mg/L			07/24/26 14:51	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 310-495595/17
Matrix: Water
Analysis Batch: 495595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.26	2.164		mg/L		96	90 - 110

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 310-495487/49
Matrix: Water
Analysis Batch: 495487

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.100		0.100		mg/L			07/23/26 15:01	1

Lab Sample ID: LCS 310-495487/50
Matrix: Water
Analysis Batch: 495487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.60	1.564		mg/L		98	90 - 110

Method: D516-16 - Sulfate

Lab Sample ID: MB 310-495540/16
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.00		5.00		mg/L			07/24/26 11:45	1

Lab Sample ID: MB 310-495540/46
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.00		5.00		mg/L			07/24/26 11:58	1

Lab Sample ID: LCS 310-495540/17
Matrix: Water
Analysis Batch: 495540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.908		mg/L		99	85 - 115

Method: EPA 1664A - HEM and SGT-HEM

Lab Sample ID: MB 310-495482/1-A
Matrix: Water
Analysis Batch: 495671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495482

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil and Grease)	<5.0		5.0		mg/L		07/27/26 06:00	07/27/26 06:00	1

Method: EPA 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 310-495482/2-A
Matrix: Water
Analysis Batch: 495671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil and Grease)	40.0	44.60		mg/L		111	78 - 114

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 310-495273/1
Matrix: Water
Analysis Batch: 495273

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.00		5.00		mg/L			07/22/26 11:12	1

Lab Sample ID: LCS 310-495273/2
Matrix: Water
Analysis Batch: 495273

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	103.0		mg/L		103	82 - 117

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 310-495587/2
Matrix: Water
Analysis Batch: 495587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	1000	970.0		mg/L		97	85 - 115

Lab Sample ID: 310-336961-2 DU
Matrix: Water
Analysis Batch: 495587

Client Sample ID: DW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	191		184.1		mg/L		4	13

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 310-495486/1
Matrix: Water
Analysis Batch: 495486

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<50.0		50.0		mg/L			07/24/26 07:51	1

Lab Sample ID: LCS 310-495486/2
Matrix: Water
Analysis Batch: 495486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	942.0		mg/L		94	89 - 110

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 310-495868/16
Matrix: Water
Analysis Batch: 495868

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.00		2.00		mg/L			07/28/26 13:45	1

Lab Sample ID: LCS 310-495868/17
Matrix: Water
Analysis Batch: 495868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.823		mg/L		98	90 - 110

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 310-495238/1
Matrix: Water
Analysis Batch: 495238

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand 5 Day	<3.00		3.00		mg/L			07/22/26 08:26	1

Lab Sample ID: LCS 310-495238/2
Matrix: Water
Analysis Batch: 495238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand 5 Day	198	<3.00	*-	mg/L		0	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 310-495914/11
Matrix: Water
Analysis Batch: 495914

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.00		1.00		mg/L			07/28/26 09:59	1

Lab Sample ID: LCS 310-495914/12
Matrix: Water
Analysis Batch: 495914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	9.99	9.361		mg/L		94	85 - 115

Lab Sample ID: 310-336961-1 DU
Matrix: Water
Analysis Batch: 495914

Client Sample ID: DW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	2.07		2.074		mg/L		0.3	15

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Method: SM4500 SiO2 C - Silica, Molybdosilicate Method

Lab Sample ID: MB 310-495911/2-A
Matrix: Water
Analysis Batch: 495913

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silica (SiO2)	<1.00		1.00		mg/L			07/29/26 00:11	1

Lab Sample ID: LCS 310-495911/1-A
Matrix: Water
Analysis Batch: 495913

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silica (SiO2)	10.0	10.36		mg/L		104	90 - 110

Method: Colilert-18 - Coliforms, Fecal (Colilert-18 - Quanti Tray)

Lab Sample ID: MB 227-76/1
Matrix: Water
Analysis Batch: 76

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.0		1.0		MPN/100mL			07/21/26 17:26	1

Method: SimPlate - Heterotrophic Plate Count (HPC)

Lab Sample ID: MB 310-495522/1
Matrix: Water
Analysis Batch: 495522

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Heterotrophic Plate Count	<0.20		0.20		MPN/mL			07/23/26 10:25	1

Lab Sample ID: 310-336961-1 DUR
Matrix: Water
Analysis Batch: 495522

Client Sample ID: DW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DUR Result	DUR Qualifier	Unit	D	RIog	RIog Limit
Heterotrophic Plate Count	0.20	H	0.400		MPN/mL		0.067	0.326

Metals

Prep Batch: 877126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	200.8	
310-336961-2	DW-2	Total/NA	Water	200.8	
MB 500-877126/1-A	Method Blank	Total/NA	Water	200.8	
LCS 500-877126/2-A	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 877883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	200.8	877126
310-336961-2	DW-2	Total/NA	Water	200.8	877126
MB 500-877126/1-A	Method Blank	Total/NA	Water	200.8	877126

Analysis Batch: 877893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	SM 2340B	
310-336961-2	DW-2	Total/NA	Water	SM 2340B	

Analysis Batch: 877895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-877126/2-A	Lab Control Sample	Total/NA	Water	200.8	877126

General Chemistry

Analysis Batch: 495238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	SM 5210B	
310-336961-2	DW-2	Total/NA	Water	SM 5210B	
USB 310-495238/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 310-495238/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 495267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	180.1	
310-336961-2	DW-2	Total/NA	Water	180.1	
MB 310-495267/5	Method Blank	Total/NA	Water	180.1	
LCS 310-495267/6	Lab Control Sample	Total/NA	Water	180.1	
310-336961-1 DU	DW-1	Total/NA	Water	180.1	

Analysis Batch: 495273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	I-3765-85	
310-336961-2	DW-2	Total/NA	Water	I-3765-85	
MB 310-495273/1	Method Blank	Total/NA	Water	I-3765-85	
LCS 310-495273/2	Lab Control Sample	Total/NA	Water	I-3765-85	

Analysis Batch: 495450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	353.2	
310-336961-2	DW-2	Total/NA	Water	353.2	

General Chemistry

Prep Batch: 495482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	1664A	
310-336961-2	DW-2	Total/NA	Water	1664A	
MB 310-495482/1-A	Method Blank	Total/NA	Water	1664A	
LCS 310-495482/2-A	Lab Control Sample	Total/NA	Water	1664A	

Analysis Batch: 495486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	SM 2540C	
310-336961-2	DW-2	Total/NA	Water	SM 2540C	
MB 310-495486/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 310-495486/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 495487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	365.1	
310-336961-2	DW-2	Total/NA	Water	365.1	
MB 310-495487/49	Method Blank	Total/NA	Water	365.1	
LCS 310-495487/50	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 495540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	D516-16	
310-336961-2	DW-2	Total/NA	Water	D516-16	
MB 310-495540/16	Method Blank	Total/NA	Water	D516-16	
MB 310-495540/46	Method Blank	Total/NA	Water	D516-16	
LCS 310-495540/17	Lab Control Sample	Total/NA	Water	D516-16	

Analysis Batch: 495587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	SM 2320B	
310-336961-2	DW-2	Total/NA	Water	SM 2320B	
LCS 310-495587/2	Lab Control Sample	Total/NA	Water	SM 2320B	
310-336961-2 DU	DW-2	Total/NA	Water	SM 2320B	

Analysis Batch: 495595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	350.1	
310-336961-2	DW-2	Total/NA	Water	350.1	
MB 310-495595/16	Method Blank	Total/NA	Water	350.1	
LCS 310-495595/17	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 495671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	EPA 1664A	495482
310-336961-2	DW-2	Total/NA	Water	EPA 1664A	495482
MB 310-495482/1-A	Method Blank	Total/NA	Water	EPA 1664A	495482
LCS 310-495482/2-A	Lab Control Sample	Total/NA	Water	EPA 1664A	495482

Analysis Batch: 495868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 495868 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-2	DW-2	Total/NA	Water	SM 4500 Cl- E	
MB 310-495868/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 310-495868/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Filtration Batch: 495911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Dissolved	Water	Filtration	
310-336961-2	DW-2	Dissolved	Water	Filtration	
MB 310-495911/2-A	Method Blank	Dissolved	Water	Filtration	
LCS 310-495911/1-A	Lab Control Sample	Dissolved	Water	Filtration	

Analysis Batch: 495913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Dissolved	Water	SM4500 SiO2 C	495911
310-336961-2	DW-2	Dissolved	Water	SM4500 SiO2 C	495911
MB 310-495911/2-A	Method Blank	Dissolved	Water	SM4500 SiO2 C	495911
LCS 310-495911/1-A	Lab Control Sample	Dissolved	Water	SM4500 SiO2 C	495911

Analysis Batch: 495914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	SM 5310C	
310-336961-2	DW-2	Total/NA	Water	SM 5310C	
MB 310-495914/11	Method Blank	Total/NA	Water	SM 5310C	
LCS 310-495914/12	Lab Control Sample	Total/NA	Water	SM 5310C	
310-336961-1 DU	DW-1	Total/NA	Water	SM 5310C	

Biology

Analysis Batch: 76

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	Colilert-18	
310-336961-2	DW-2	Total/NA	Water	Colilert-18	
MB 227-76/1	Method Blank	Total/NA	Water	Colilert-18	

Analysis Batch: 495522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-336961-1	DW-1	Total/NA	Water	SimPlate	
310-336961-2	DW-2	Total/NA	Water	SimPlate	
MB 310-495522/1	Method Blank	Total/NA	Water	SimPlate	
310-336961-1 DUR	DW-1	Total/NA	Water	SimPlate	

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Client Sample ID: DW-1

Lab Sample ID: 310-336961-1

Date Collected: 07/21/26 12:45
Date Received: 07/22/26 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			877126	AC	EET CHI	07/29/26 11:00 - 07/29/26 17:00 [1]
Total/NA	Analysis	200.8		1	877883	S1Z	EET CHI	08/03/26 15:28
Total/NA	Analysis	SM 2340B		1	877893	DAJ	EET CHI	08/03/26 16:16
Total/NA	Analysis	180.1		1	495267	KNJC	EET CF	07/22/26 10:53
Total/NA	Analysis	350.1		1	495595	ENB7	EET CF	07/24/26 15:13
Total/NA	Analysis	353.2		1	495450	WZC8	EET CF	07/22/26 14:54
Total/NA	Analysis	365.1		1	495487	WZC8	EET CF	07/23/26 16:00
Total/NA	Analysis	D516-16		5	495540	WZC8	EET CF	07/24/26 12:20
Total/NA	Prep	1664A			495482	DGU1	EET CF	07/27/26 06:00
Total/NA	Analysis	EPA 1664A		1	495671	DGU1	EET CF	07/27/26 06:00
Total/NA	Analysis	I-3765-85		1	495273	KNJC	EET CF	07/22/26 11:12
Total/NA	Analysis	SM 2320B		1	495587	WZC8	EET CF	07/24/26 14:30
Total/NA	Analysis	SM 2540C		1	495486	DGU1	EET CF	07/24/26 07:51
Total/NA	Analysis	SM 4500 Cl- E		1	495868	WZC8	EET CF	07/28/26 13:52
Total/NA	Analysis	SM 5210B		1	495238	W9YR	EET CF	07/22/26 10:37
Total/NA	Analysis	SM 5310C		1	495914	DGU1	EET CF	07/28/26 11:12
Dissolved	Filtration	Filtration			495911	ZJX4	EET CF	07/28/26 22:05
Dissolved	Analysis	SM4500 SiO2 C		2	495913	ZJX4	EET CF	07/29/26 00:17
Total/NA	Analysis	Colilert-18		1	76	JNF9	EET KAN	07/21/26 17:26 - 07/22/26 11:26 [1]
Total/NA	Analysis	SimPlate		1	495522	W9YR	EET CF	07/23/26 10:25

Client Sample ID: DW-2

Lab Sample ID: 310-336961-2

Date Collected: 07/21/26 14:20
Date Received: 07/22/26 09:45

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	200.8			877126	AC	EET CHI	07/29/26 11:00 - 07/29/26 17:00 [1]
Total/NA	Analysis	200.8		1	877883	S1Z	EET CHI	08/03/26 15:30
Total/NA	Analysis	SM 2340B		1	877893	DAJ	EET CHI	08/03/26 16:16
Total/NA	Analysis	180.1		1	495267	KNJC	EET CF	07/22/26 10:53
Total/NA	Analysis	350.1		1	495595	ENB7	EET CF	07/24/26 15:17
Total/NA	Analysis	353.2		1	495450	WZC8	EET CF	07/22/26 14:55
Total/NA	Analysis	365.1		1	495487	WZC8	EET CF	07/23/26 16:04
Total/NA	Analysis	D516-16		5	495540	WZC8	EET CF	07/24/26 12:20
Total/NA	Prep	1664A			495482	DGU1	EET CF	07/27/26 06:00
Total/NA	Analysis	EPA 1664A		1	495671	DGU1	EET CF	07/27/26 06:00
Total/NA	Analysis	I-3765-85		1	495273	KNJC	EET CF	07/22/26 11:12
Total/NA	Analysis	SM 2320B		1	495587	WZC8	EET CF	07/24/26 14:39
Total/NA	Analysis	SM 2540C		1	495486	DGU1	EET CF	07/24/26 07:51
Total/NA	Analysis	SM 4500 Cl- E		1	495868	WZC8	EET CF	07/28/26 13:52
Total/NA	Analysis	SM 5210B		1	495238	W9YR	EET CF	07/22/26 10:41
Total/NA	Analysis	SM 5310C		1	495914	DGU1	EET CF	07/28/26 12:24

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Client Sample ID: DW-2

Lab Sample ID: 310-336961-2

Date Collected: 07/21/26 14:20

Matrix: Water

Date Received: 07/22/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	Filtration			495911	ZJX4	EET CF	07/28/26 22:05
Dissolved	Analysis	SM4500 SiO2 C		2	495913	ZJX4	EET CF	07/29/26 00:19
Total/NA	Analysis	Colilert-18		1	76	JNF9	EET KAN	07/21/26 17:26 - 07/22/26 11:26 [1]
Total/NA	Analysis	SimPlate		1	495522	W9YR	EET CF	07/23/26 10:25

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

EET KAN = Eurofins Kansas City, 9806 Pflumm Road, Lenexa, KS 66215, TEL (913)871-2848

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Job ID: 310-336961-1
Project/Site: Tonganoxie, KS Site

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Kansas	NELAP	E-10341	01-31-27

The following analytes are included in this report, but the laboratory is not certified by Kansas NELAP E-10341. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
180.1		Water	Turbidity
353.2		Water	Nitrate as N
365.1		Water	Total Phosphorus as P
I-3765-85		Water	Total Suspended Solids
SimPlate		Water	Heterotrophic Plate Count
SM 2320B		Water	Total Alkalinity as CaCO3 to pH 4.5
SM 2540C		Water	Total Dissolved Solids
SM 5310C		Water	Total Organic Carbon
SM4500 SiO2 C		Water	Silica (SiO2)

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Georgia	State	N/A	05-31-27
Georgia (DW)	State	939	05-31-26 *
Illinois	NELAP	100201	05-25-27
Indiana	State	C-IL-02	05-31-27
Iowa	State	082	05-01-28
Kansas	NELAP	E-10161	10-31-26
Kentucky (UST)	State	108083	05-31-27
Kentucky (WW)	State	KY90023	12-31-26
Louisiana (All)	NELAP	02046	06-30-27
Minnesota	NELAP	017-999-506	12-31-26
Mississippi	State	NA	05-31-26 *
North Carolina (WW/SW)	State	291	12-31-26
North Dakota	State	R-194	05-30-27
Oklahoma	State	8908	12-31-26
South Carolina	State	77001	05-31-26 *
USDA	US Federal Programs	525-25-237-16455	08-25-28
Wisconsin	State	399172840	08-31-26
Wyoming	State	8TMS-Q	05-31-27

Laboratory: Eurofins Kansas City

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Kansas	NELAP	E-10441	07-31-27

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Tonganoxie, KS Site

Job ID: 310-336961-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CHI
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET CHI
180.1	Turbidity, Nephelometric	EPA	EET CF
350.1	Nitrogen, Ammonia	EPA	EET CF
353.2	Nitrogen, Nitrate (Calculation)	EPA	EET CF
365.1	Phosphorus, Total	EPA	EET CF
D516-16	Sulfate	ASTM	EET CF
EPA 1664A	HEM and SGT-HEM	EPA	EET CF
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET CF
SM 2320B	Alkalinity	SM	EET CF
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CF
SM 4500 Cl- E	Chloride, Total	SM	EET CF
SM 5210B	BOD, 5-Day	SM	EET CF
SM 5310C	TOC	SM	EET CF
SM4500 SiO2 C	Silica, Molybdosilicate Method	SM	EET CF
Colilert-18	Coliforms, Fecal (Colilert-18 - Quanti Tray)	IDEXX	EET KAN
SimPlate	Heterotrophic Plate Count (HPC)	IDEXX	EET CF
1664A	HEM and SGT-HEM (SPE)	1664A	EET CF
200.8	Preparation, Total Metals	EPA	EET CHI
Filtration	Sample Filtration	None	EET CF

Protocol References:

1664A = EPA-821-98-002
ASTM = ASTM International
EPA = US Environmental Protection Agency
IDEXX = IDEXX Laboratories
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401
EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200
EET KAN = Eurofins Kansas City, 9806 Pflumm Road, Lenexa, KS 66215, TEL (913)871-2848

eurofins | Environment Testing America

310-336961 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information

Client: Terracon

City/State: CITY Wichita STATE KS Project:

Receipt Information

Date/Time Received: DATE 04/22/20 TIME 0945 Received By: ES

Delivery Type: ☐ UPS ☒ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other:_____

Condition of Cooler/Containers

Sample(s) received in Cooler? ☒ Yes ☐ No *If yes:* Cooler ID:

Multiple Coolers? ☐ Yes ☒ No *If yes:* Cooler # _____ of _____

Cooler Custody Seals Present? ☒ Yes ☐ No *If yes:* Cooler custody seals intact? ☐ Yes ☐ No

Sample Custody Seals Present? ☐ Yes ☒ No *If yes:* Sample custody seals intact? ☐ Yes ☐ No

Trip Blank Present? ☐ Yes ☒ No *If yes:* Which VOA samples are in cooler? ↓

Temperature Record

Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other:_____ ☐ NONE

Thermometer ID: AA Correction Factor (°C): 0

Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature

Uncorrected Temp (°C): 0.2 Corrected Temp (°C): 0.2

Sample Container Temperature

	CONTAINER 1	CONTAINER 2
Container(s) used:		
Uncorrected Temp (°C):		
Corrected Temp (°C):		

Exceptions Noted

1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No
   a) *If yes:* Is there evidence that the chilling process began? ☐ Yes ☐ No

2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) ☐ Yes ☐ No

NOTE: If yes, contact PM before proceeding. If no, proceed with login

Additional Comments

Eurofins Cedar alls
3019 en ure Way
Cedar Falls IA 5061
Phone 319-277-2401 Fax 319 277-2425

Chain of Custody Record

EUROFINS
227
KANSAS CITY SERVICE CENTER

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	Blake Meis	Michels Bob C		310-123788-31509 1
Client Contact	Phone	E-Mail	State of Origin	Page
Michael Montgomery		Bob Michels@et.eurofinsus com		Page 1 of 1
Company	PWSID			Job #
Terracon Consulting Eng & Scientists				
Address	Due Date Requested			
1815 S Eisenhower				
City	TAT Requested (days)			
Wichita				
State, Zip	Compliance Project: Δ Yes Δ No			
KS 67209				
Phone	PO #			
316-448-3891(Tel)	Purchase Order not required			
Email	WO #			
michael.montgomery@terracon com				
Project Name	Project #			
Tonganoxie Site Argonia KS	31019290			
Site	SSOW#			

Analysis Requested

Preservation Codes
S H2SO4
N None
D HNO3
R NaThioSO4

Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue A=Air DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350 1_NP 353 2 365 1_NP	180 1 353 2_Nitrite	SM4500_SIO2_C Silica	353 2_Calc Nitrate as N (calc.)	2540C_Calcd 1_3766_85, SM5210B_Calc	2320B D516 SM4500 Cl E	200 8 SM2340B	1664A Oil and Grease (HEM)	Total Number of containers	Special Instructions/Note
			Preservation Code				S	N	N	N	N	N	D	R		
DW-1	7.21.26	12:45	G	Water	NO	N	X	X	X	X	X	X	X	X		
DW-2	7-21-26	14:20	G	Water	NO	N	X	X	X	X	X	X	X	X		
				Water												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Blake Meis BMM	7-21-26 15:30	Terracon	Ken Busch	7/21/26 1505	Eurofins KC
Relinquished by: Ken Busch	Date/Time: 7/21/26 1645	Company Eurofins KC	Received by	Date/Time 07/22/26 0945	Company EET
Relinquished by	Date/Time:	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 10/10/2024

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Phone: 319-277-2401 Fax. 319-277-2425

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Michels, Bob C	Carrier Tracking No(s): N/A	COC No: 310-96690.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Bob.Michels@et.eurofinsus.com	State of Origin: Kansas	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP Kansas		Job #: 310-336961 1
Address: 18410 Crossing Drive, Suite E	Due Date Requested: 7/30/2026			Preservation Codes
City: Tinley Park	TAT Requested (days): N/A			
State, Zip: IL, 60487				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Tonganoxie Site Argonia KS	Project #: 31019290			
Site: N/A	SSOW#: N/A			Other: N/A

310-336961 COC

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.8/200.8_P_TOT(MOD) 8-12 elements, including prep	SM2340B	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X				
DW-1 (310-336961 1)	7/21/26	12:45 Central	G	Water			X	X	1	
DW-2 (310-336961-2)	7/21/26	14:20 Central	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by:	Date: Time: Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by:	7/22/26 1300		Received by:	7/23/26 1120	
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: 3.3 → 3.2

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 310-336961-1

SDG Number:

Login Number: 336961

List Number: 1

Creator: Homolar, Dana J

List Source: Eurofins Cedar Falls

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 310-336961-1
SDG Number:

Login Number: 336961
List Number: 3
Creator: Scott, Sherri L

List Source: Eurofins Chicago
List Creation: 07/23/26 01:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 310-336961-1
SDG Number:

Login Number: 336961
List Number: 2
Creator: Busch, Ken

List Source: Eurofins Kansas City
List Creation: 07/22/26 11:13 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	False	