

ANALYTICAL REPORT

Eurofins Pensacola
3355 McLemore Drive
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Tel: (850)474-1001

Laboratory Job ID: 400-216882-1

Client Project/Site: Mobile MS4 Representative Sampling

For:

Neel-Schaffer Inc
PO BOX 22625
Jackson, Mississippi 39225

Attn: Brian Morgan



Authorized for release by:
3/22/2022 4:02:20 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Job ID: 400-216882-1

Laboratory: Eurofins Pensacola

Narrative

**Job Narrative
400-216882-1**

Comments

No additional comments.

Receipt

The samples were received on 3/11/2022 4:00 PM. 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 was 1.0° C.

Metals

Method 200.8: The post digestion spike % recovery for Calcium, Copper, Hardness as calcium carbonate, and Magnesium associated with batch 400-570120 was outside of control limits. The associated sample is: (400-216882-I-1-A PDS ^5).

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

General Chemistry

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

Organic Prep

Methods 1664A, 1664B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 400-569800.

Methods 1664A, 1664B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MSD) associated with preparation batch 400-569899.

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



Detection Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-216882-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hardness as calcium carbonate	89		6.0	4.6	mg/L	5		SM 2340B	Total/NA
Ammonia	0.068		0.050	0.024	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.22		0.050	0.018	mg/L	1		353.2	Total/NA
Turbidity	3.5		0.50	0.50	NTU	1		SM 2130B	Total/NA
Total Dissolved Solids	410		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	36		5.0	5.0	mg/L	1		SM 2540D	Total/NA
Biochemical Oxygen Demand	2.0		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	8.2	J	10	6.4	mg/L	1		SM 5220D	Total/NA
Coliform, Fecal	300		1.0	1.0	CFU/100mL	1		SM 9222D	Total/NA
Escherichia coli	160		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA
Coliform, Total	>2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-216882-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.8	J	2.5	1.0	ug/L	5		200.8	Total/NA
Lead	0.52	J	1.3	0.29	ug/L	5		200.8	Total/NA
Zinc	9.2	J	20	8.8	ug/L	5		200.8	Total/NA
Hardness as calcium carbonate	54		6.0	4.6	mg/L	5		SM 2340B	Total/NA
HEM (Oil & Grease)	17.7		4.2	1.5	mg/L	1		1664A	Total/NA
Ammonia	0.11		0.050	0.024	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.13		0.050	0.018	mg/L	1		353.2	Total/NA
Turbidity	7.3		0.50	0.50	NTU	1		SM 2130B	Total/NA
Total Dissolved Solids	120		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	53		5.0	5.0	mg/L	1		SM 2540D	Total/NA
Chemical Oxygen Demand	10		10	6.4	mg/L	1		SM 5220D	Total/NA
Coliform, Fecal	1600		1.0	1.0	CFU/100mL	1		SM 9222D	Total/NA
Escherichia coli	490		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA
Coliform, Total	>2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-216882-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	1.4		1.3	0.29	ug/L	5		200.8	Total/NA
Hardness as calcium carbonate	17		6.0	4.6	mg/L	5		SM 2340B	Total/NA
HEM (Oil & Grease)	2.5	J	4.1	1.4	mg/L	1		1664A	Total/NA
Ammonia	0.058		0.050	0.024	mg/L	1		350.1	Total/NA
Nitrate Nitrite as N	0.31		0.050	0.018	mg/L	1		353.2	Total/NA
Turbidity	13		0.50	0.50	NTU	1		SM 2130B	Total/NA
Total Dissolved Solids	62		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	36		5.0	5.0	mg/L	1		SM 2540D	Total/NA
Nitrogen, Total	0.31	J	0.50	0.26	mg/L	1		Total Nitrogen	Total/NA
Coliform, Fecal	480		1.0	1.0	CFU/100mL	1		SM 9222D	Total/NA
Escherichia coli	310		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA
Coliform, Total	>2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Sample Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-216882-1	RABBIT CREEK	Water	03/11/22 10:07	03/11/22 16:00
400-216882-2	ESLAVA CREEK	Water	03/11/22 12:10	03/11/22 16:00
400-216882-3	EIGHT MILE CREEK	Water	03/11/22 11:21	03/11/22 16:00

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Client Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-216882-1

Date Collected: 03/11/22 10:07

Matrix: Water

Date Received: 03/11/22 16:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L			03/15/22 19:32	5
Copper	<1.0		2.5	1.0	ug/L			03/15/22 19:32	5
Lead	<0.29		1.3	0.29	ug/L			03/15/22 19:32	5
Zinc	<8.8		20	8.8	ug/L			03/15/22 19:32	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	89		6.0	4.6	mg/L			03/15/22 19:32	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.5		4.2	1.5	mg/L		03/14/22 09:07	03/14/22 13:25	1
Ammonia	0.068		0.050	0.024	mg/L			03/18/22 17:19	1
Nitrogen, Kjeldahl	<0.26		0.50	0.26	mg/L		03/18/22 16:39	03/21/22 12:02	1
Nitrate Nitrite as N	0.22		0.050	0.018	mg/L			03/12/22 03:22	1
Phosphorus, Total	<0.076		0.10	0.076	mg/L		03/18/22 16:45	03/19/22 10:40	1
Total Dissolved Solids	410		5.0	5.0	mg/L			03/16/22 17:39	1
Total Suspended Solids	36		5.0	5.0	mg/L			03/16/22 18:30	1
Biochemical Oxygen Demand	2.0		2.0	2.0	mg/L			03/11/22 17:10	1
Chemical Oxygen Demand	8.2 J		10	6.4	mg/L			03/22/22 13:27	1
Nitrogen, Total	<0.26		0.50	0.26	mg/L			03/21/22 10:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	3.5		0.50	0.50	NTU			03/13/22 00:13	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	300		1.0	1.0	CFU/100mL			03/11/22 17:30	1

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	160		1.0	1.0	MPN/100mL			03/11/22 18:31	1
Coliform, Total	>2400		1.0	1.0	MPN/100mL			03/11/22 18:31	1

Client Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-216882-2

Date Collected: 03/11/22 12:10

Matrix: Water

Date Received: 03/11/22 16:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L			03/15/22 19:55	5
Copper	1.8	J	2.5	1.0	ug/L			03/15/22 19:55	5
Lead	0.52	J	1.3	0.29	ug/L			03/15/22 19:55	5
Zinc	9.2	J	20	8.8	ug/L			03/15/22 19:55	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	54		6.0	4.6	mg/L			03/15/22 19:55	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	17.7		4.2	1.5	mg/L		03/14/22 14:45	03/15/22 11:36	1
Ammonia	0.11		0.050	0.024	mg/L			03/18/22 17:19	1
Nitrogen, Kjeldahl	<0.26		0.50	0.26	mg/L		03/18/22 16:39	03/21/22 12:06	1
Nitrate Nitrite as N	0.13		0.050	0.018	mg/L			03/12/22 03:23	1
Phosphorus, Total	<0.076		0.10	0.076	mg/L		03/18/22 16:45	03/19/22 10:44	1
Total Dissolved Solids	120		5.0	5.0	mg/L			03/16/22 17:39	1
Total Suspended Solids	53		5.0	5.0	mg/L			03/16/22 18:30	1
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			03/11/22 17:12	1
Chemical Oxygen Demand	10		10	6.4	mg/L			03/22/22 13:27	1
Nitrogen, Total	<0.26		0.50	0.26	mg/L			03/21/22 10:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	7.3		0.50	0.50	NTU			03/13/22 00:13	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1600		1.0	1.0	CFU/100mL			03/11/22 17:30	1

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	490		1.0	1.0	MPN/100mL			03/11/22 18:31	1
Coliform, Total	>2400		1.0	1.0	MPN/100mL			03/11/22 18:31	1

Client Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-216882-3

Date Collected: 03/11/22 11:21

Matrix: Water

Date Received: 03/11/22 16:00

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L			03/15/22 19:58	5
Copper	<1.0		2.5	1.0	ug/L			03/15/22 19:58	5
Lead	1.4		1.3	0.29	ug/L			03/15/22 19:58	5
Zinc	<8.8		20	8.8	ug/L			03/15/22 19:58	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	17		6.0	4.6	mg/L			03/15/22 19:58	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	2.5	J	4.1	1.4	mg/L		03/14/22 14:45	03/15/22 11:36	1
Ammonia	0.058		0.050	0.024	mg/L			03/18/22 17:19	1
Nitrogen, Kjeldahl	<0.26		0.50	0.26	mg/L		03/18/22 16:39	03/21/22 12:07	1
Nitrate Nitrite as N	0.31		0.050	0.018	mg/L			03/12/22 03:24	1
Phosphorus, Total	<0.076		0.10	0.076	mg/L		03/18/22 16:45	03/19/22 10:45	1
Total Dissolved Solids	62		5.0	5.0	mg/L			03/16/22 17:39	1
Total Suspended Solids	36		5.0	5.0	mg/L			03/16/22 18:30	1
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			03/11/22 17:14	1
Chemical Oxygen Demand	<6.4		10	6.4	mg/L			03/22/22 15:10	1
Nitrogen, Total	0.31	J	0.50	0.26	mg/L			03/21/22 10:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	13		0.50	0.50	NTU			03/13/22 00:13	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	480		1.0	1.0	CFU/100mL			03/11/22 17:30	1

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	310		1.0	1.0	MPN/100mL			03/11/22 18:31	1
Coliform, Total	>2400		1.0	1.0	MPN/100mL			03/11/22 18:31	1

Definitions/Glossary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

QC Association Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Metals

Prep Batch: 570061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-570061/1-A ^5	Method Blank	Total/NA	Water	200.8	
LCS 400-570061/2-A ^5	Lab Control Sample	Total/NA	Water	200.8	
400-216882-1 MS	RABBIT CREEK	Total/NA	Water	200.8	
400-216882-1 MSD	RABBIT CREEK	Total/NA	Water	200.8	

Analysis Batch: 570120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	200.8	
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 2340B	
400-216882-2	ESLAVA CREEK	Total/NA	Water	200.8	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 2340B	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	200.8	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 2340B	
MB 400-570061/1-A ^5	Method Blank	Total/NA	Water	200.8	570061
LCS 400-570061/2-A ^5	Lab Control Sample	Total/NA	Water	200.8	570061
400-216882-1 MS	RABBIT CREEK	Total/NA	Water	200.8	570061
400-216882-1 MSD	RABBIT CREEK	Total/NA	Water	200.8	570061

General Chemistry

Analysis Batch: 569730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	353.2	
400-216882-2	ESLAVA CREEK	Total/NA	Water	353.2	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	353.2	
MB 400-569730/7	Method Blank	Total/NA	Water	353.2	
LCS 400-569730/8	Lab Control Sample	Total/NA	Water	353.2	
MRL 400-569730/9	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 569732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 2130B	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 2130B	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 2130B	
MB 400-569732/3	Method Blank	Total/NA	Water	SM 2130B	
LCS 400-569732/4	Lab Control Sample	Total/NA	Water	SM 2130B	
400-216882-1 DU	RABBIT CREEK	Total/NA	Water	SM 2130B	

Prep Batch: 569800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	1664A	
MB 400-569800/1-A	Method Blank	Total/NA	Water	1664A	
LCS 400-569800/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 400-569800/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 569862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 5210B	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 5210B	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 5210B	
USB 400-569862/1	Method Blank	Total/NA	Water	SM 5210B	

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QC Association Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

General Chemistry (Continued)

Analysis Batch: 569862 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-569862/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 569879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	1664A	569800
MB 400-569800/1-A	Method Blank	Total/NA	Water	1664A	569800
LCS 400-569800/2-A	Lab Control Sample	Total/NA	Water	1664A	569800
LCSD 400-569800/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	569800

Prep Batch: 569899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-2	ESLAVA CREEK	Total/NA	Water	1664A	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	1664A	
MB 400-569899/1-A	Method Blank	Total/NA	Water	1664A	
LCS 400-569899/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 400-569899/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 570007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-2	ESLAVA CREEK	Total/NA	Water	1664A	569899
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	1664A	569899
MB 400-569899/1-A	Method Blank	Total/NA	Water	1664A	569899
LCS 400-569899/2-A	Lab Control Sample	Total/NA	Water	1664A	569899
LCSD 400-569899/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	569899

Analysis Batch: 570246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 2540C	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 2540C	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 2540C	
MB 400-570246/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-570246/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 570247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 2540D	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 2540D	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 2540D	
MB 400-570247/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 400-570247/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 570522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	350.1	
400-216882-2	ESLAVA CREEK	Total/NA	Water	350.1	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	350.1	
MB 400-570522/56	Method Blank	Total/NA	Water	350.1	
LCS 400-570522/57	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-570522/16	Lab Control Sample	Total/NA	Water	350.1	

QC Association Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

General Chemistry

Prep Batch: 570551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	351.2	
400-216882-2	ESLAVA CREEK	Total/NA	Water	351.2	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	351.2	
MB 400-570551/1-A	Method Blank	Total/NA	Water	351.2	
LCS 400-570551/2-A	Lab Control Sample	Total/NA	Water	351.2	

Prep Batch: 570553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	365.2/365.3/365	
400-216882-2	ESLAVA CREEK	Total/NA	Water	365.2/365.3/365	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	365.2/365.3/365	
MB 400-570553/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 400-570553/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 570562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	365.4	570553
400-216882-2	ESLAVA CREEK	Total/NA	Water	365.4	570553
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	365.4	570553
MB 400-570553/1-A	Method Blank	Total/NA	Water	365.4	570553
LCS 400-570553/2-A	Lab Control Sample	Total/NA	Water	365.4	570553
MRL 400-570562/1	Lab Control Sample	Total/NA	Water	365.4	

Analysis Batch: 570690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	Total Nitrogen	
400-216882-2	ESLAVA CREEK	Total/NA	Water	Total Nitrogen	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	Total Nitrogen	

Analysis Batch: 570751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	351.2	570551
400-216882-2	ESLAVA CREEK	Total/NA	Water	351.2	570551
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	351.2	570551
MB 400-570551/1-A	Method Blank	Total/NA	Water	351.2	570551
LCS 400-570551/2-A	Lab Control Sample	Total/NA	Water	351.2	570551
MRL 400-570751/10	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 570938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 5220D	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 5220D	
MB 400-570938/4	Method Blank	Total/NA	Water	SM 5220D	
LCS 400-570938/5	Lab Control Sample	Total/NA	Water	SM 5220D	
MRL 400-570938/2	Lab Control Sample	Total/NA	Water	SM 5220D	

Analysis Batch: 570960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 5220D	
MB 400-570960/4	Method Blank	Total/NA	Water	SM 5220D	
LCS 400-570960/5	Lab Control Sample	Total/NA	Water	SM 5220D	

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QC Association Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

General Chemistry (Continued)

Analysis Batch: 570960 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-3 MS	EIGHT MILE CREEK	Total/NA	Water	SM 5220D	
400-216882-3 MSD	EIGHT MILE CREEK	Total/NA	Water	SM 5220D	

Biology

Analysis Batch: 569758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 9222D	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 9222D	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 9222D	
MB 400-569758/1	Method Blank	Total/NA	Water	SM 9222D	
LCS 400-569758/2	Lab Control Sample	Total/NA	Water	SM 9222D	
400-216882-1 DU	RABBIT CREEK	Total/NA	Water	SM 9222D	

Analysis Batch: 569767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-216882-1	RABBIT CREEK	Total/NA	Water	SM 9223	
400-216882-2	ESLAVA CREEK	Total/NA	Water	SM 9223	
400-216882-3	EIGHT MILE CREEK	Total/NA	Water	SM 9223	
MB 400-569767/1	Method Blank	Total/NA	Water	SM 9223	

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 400-570061/1-A ^5
Matrix: Water
Analysis Batch: 570120

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L		03/15/22 14:39	03/15/22 19:26	5
Copper	<1.0		2.5	1.0	ug/L		03/15/22 14:39	03/15/22 19:26	5
Lead	<0.29		1.3	0.29	ug/L		03/15/22 14:39	03/15/22 19:26	5
Zinc	<8.8		20	8.8	ug/L		03/15/22 14:39	03/15/22 19:26	5

Lab Sample ID: LCS 400-570061/2-A ^5
Matrix: Water
Analysis Batch: 570120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cadmium	50.0	50.3		ug/L		101	85 - 115
Copper	50.0	54.1		ug/L		108	85 - 115
Lead	50.0	50.9		ug/L		102	85 - 115
Zinc	50.0	49.5		ug/L		99	85 - 115

Lab Sample ID: 400-216882-1 MS
Matrix: Water
Analysis Batch: 570120

Client Sample ID: RABBIT CREEK
Prep Type: Total/NA
Prep Batch: 570061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cadmium	<0.28		50.0	52.6		ug/L		105	70 - 130
Copper	<1.0		50.0	56.0		ug/L		112	70 - 130
Lead	<0.29		50.0	52.4		ug/L		105	70 - 130
Zinc	<8.8		50.0	52.6		ug/L		105	70 - 130

Lab Sample ID: 400-216882-1 MSD
Matrix: Water
Analysis Batch: 570120

Client Sample ID: RABBIT CREEK
Prep Type: Total/NA
Prep Batch: 570061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cadmium	<0.28		50.0	52.5		ug/L		105	70 - 130	0	20
Copper	<1.0		50.0	55.1		ug/L		110	70 - 130	2	20
Lead	<0.29		50.0	52.1		ug/L		104	70 - 130	1	20
Zinc	<8.8		50.0	52.0		ug/L		104	70 - 130	1	20

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 400-569800/1-A
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.4		4.0	1.4	mg/L		03/14/22 09:06	03/14/22 13:25	1

Lab Sample ID: LCS 400-569800/2-A
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
HEM (Oil & Grease)	41.9	34.60		mg/L		83	78 - 114

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QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: LCSD 400-569800/3-A
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 569800

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM (Oil & Grease)	41.9	33.50		mg/L		80	78 - 114	3	18

Lab Sample ID: MB 400-569899/1-A
Matrix: Water
Analysis Batch: 570007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 569899

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.4		4.0	1.4	mg/L		03/14/22 14:45	03/15/22 11:36	1

Lab Sample ID: LCS 400-569899/2-A
Matrix: Water
Analysis Batch: 570007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 569899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	41.9	36.20		mg/L		86	78 - 114

Lab Sample ID: LCSD 400-569899/3-A
Matrix: Water
Analysis Batch: 570007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 569899

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM (Oil & Grease)	41.9	33.80		mg/L		81	78 - 114	7	18

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-570522/56
Matrix: Water
Analysis Batch: 570522

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.024		0.050	0.024	mg/L			03/18/22 17:16	1

Lab Sample ID: LCS 400-570522/57
Matrix: Water
Analysis Batch: 570522

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	1.96		mg/L		98	90 - 110

Lab Sample ID: MRL 400-570522/16
Matrix: Water
Analysis Batch: 570522

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.0500	0.0410	J	mg/L		82	50 - 150

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QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 400-570551/1-A
 Matrix: Water
 Analysis Batch: 570751

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 570551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.26		0.50	0.26	mg/L		03/18/22 16:39	03/21/22 11:52	1

Lab Sample ID: LCS 400-570551/2-A
 Matrix: Water
 Analysis Batch: 570751

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 570551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Kjeldahl	10.0	9.69		mg/L		97	90 - 110

Lab Sample ID: MRL 400-570751/10
 Matrix: Water
 Analysis Batch: 570751

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Kjeldahl	0.500	0.479	J	mg/L		96	50 - 150

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-569730/7
 Matrix: Water
 Analysis Batch: 569730

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.018		0.050	0.018	mg/L			03/12/22 02:38	1

Lab Sample ID: LCS 400-569730/8
 Matrix: Water
 Analysis Batch: 569730

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.500	0.531		mg/L		106	90 - 110

Lab Sample ID: MRL 400-569730/9
 Matrix: Water
 Analysis Batch: 569730

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.0500	0.0470	J	mg/L		94	50 - 150

Method: 365.4 - Phosphorus, Total

Lab Sample ID: MB 400-570553/1-A
 Matrix: Water
 Analysis Batch: 570562

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 570553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	<0.076		0.10	0.076	mg/L		03/18/22 16:45	03/19/22 10:30	1

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Method: 365.4 - Phosphorus, Total (Continued)

Lab Sample ID: LCS 400-570553/2-A
 Matrix: Water
 Analysis Batch: 570562

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 570553
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Phosphorus, Total	2.00	2.16		mg/L		108	75 - 113

Lab Sample ID: MRL 400-570562/1
 Matrix: Water
 Analysis Batch: 570562

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	Limits
Phosphorus, Total	0.100	0.0913	J	mg/L		91	50 - 150

Method: SM 2130B - Turbidity

Lab Sample ID: MB 400-569732/3
 Matrix: Water
 Analysis Batch: 569732

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	<0.50		0.50	0.50	NTU			03/13/22 00:12	1

Lab Sample ID: LCS 400-569732/4
 Matrix: Water
 Analysis Batch: 569732

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Turbidity	10.0	9.4		NTU		94	90 - 110

Lab Sample ID: 400-216882-1 DU
 Matrix: Water
 Analysis Batch: 569732

Client Sample ID: RABBIT CREEK
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Turbidity	3.5		3.3		NTU		6	8

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

Lab Sample ID: MB 400-570246/1
 Matrix: Water
 Analysis Batch: 570246

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	<5.0		5.0	5.0	mg/L			03/16/22 17:39	1

Lab Sample ID: LCS 400-570246/2
 Matrix: Water
 Analysis Batch: 570246

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	293	320		mg/L		109	78 - 122

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 400-570247/1
 Matrix: Water
 Analysis Batch: 570247

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	<0.50		0.50	0.50	mg/L			03/16/22 18:30	1

Lab Sample ID: LCS 400-570247/2
 Matrix: Water
 Analysis Batch: 570247

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	264	272		mg/L		103	82 - 118

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 400-569862/1
 Matrix: Water
 Analysis Batch: 569862

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			03/11/22 18:10	1

Lab Sample ID: LCS 400-569862/2
 Matrix: Water
 Analysis Batch: 569862

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	198	187		mg/L		95	85 - 115

Method: SM 5220D - COD

Lab Sample ID: MB 400-570938/4
 Matrix: Water
 Analysis Batch: 570938

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<6.4		10	6.4	mg/L			03/22/22 13:27	1

Lab Sample ID: LCS 400-570938/5
 Matrix: Water
 Analysis Batch: 570938

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	50.0	54.1		mg/L		108	90 - 110

Lab Sample ID: MRL 400-570938/2
 Matrix: Water
 Analysis Batch: 570938

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	30.1	34.6		mg/L		115	50 - 150

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Method: SM 5220D - COD (Continued)

Lab Sample ID: MB 400-570960/4
Matrix: Water
Analysis Batch: 570960

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<6.4		10	6.4	mg/L			03/22/22 15:10	1

Lab Sample ID: LCS 400-570960/5
Matrix: Water
Analysis Batch: 570960

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	50.0	51.7		mg/L		103	90 - 110

Lab Sample ID: 400-216882-3 MS
Matrix: Water
Analysis Batch: 570960

Client Sample ID: EIGHT MILE CREEK
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	<6.4		50.1	52.1		mg/L		104	90 - 110

Lab Sample ID: 400-216882-3 MSD
Matrix: Water
Analysis Batch: 570960

Client Sample ID: EIGHT MILE CREEK
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	<6.4		50.1	52.1		mg/L		104	90 - 110	0	13

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Lab Sample ID: MB 400-569758/1
Matrix: Water
Analysis Batch: 569758

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	1.0	CFU/100mL			03/11/22 17:30	1

Lab Sample ID: 400-216882-1 DU
Matrix: Water
Analysis Batch: 569758

Client Sample ID: RABBIT CREEK
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	RPD	RPD Limit
Coliform, Fecal	300		300		CFU/100mL			0	50

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Lab Sample ID: MB 400-569767/1
Matrix: Water
Analysis Batch: 569767

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	<1.0		1.0	1.0	MPN/100mL			03/11/22 18:31	1
Coliform, Total	<1.0		1.0	1.0	MPN/100mL			03/11/22 18:31	1

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Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-216882-1

Date Collected: 03/11/22 10:07

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		5			570120	03/15/22 19:32	KIS	TAL PEN
Total/NA	Analysis	SM 2340B		5			570120	03/15/22 19:32	KIS	TAL PEN
Total/NA	Prep	1664A			956 mL	1000 mL	569800	03/14/22 09:07	ARE	TAL PEN
Total/NA	Analysis	1664A		1			569879	03/14/22 13:25	ARE	TAL PEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	570522	03/18/22 17:19	ANE	TAL PEN
Total/NA	Prep	351.2			25 mL	25 mL	570551	03/18/22 16:39	RLL	TAL PEN
Total/NA	Analysis	351.2		1			570751	03/21/22 12:02	ANE	TAL PEN
Total/NA	Analysis	353.2		1	10 mL	10 mL	569730	03/12/22 03:22	DEK	TAL PEN
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	570553	03/18/22 16:45	RLL	TAL PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	570562	03/19/22 10:40	ANE	TAL PEN
Total/NA	Analysis	SM 2130B		1			569732	03/13/22 00:13	DEK	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	570246	03/16/22 17:39	VB	TAL PEN
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	570247	03/16/22 18:30	VB	TAL PEN
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	569862		DVN	TAL PEN
							(Start)	03/11/22 17:10		
							(End)	03/16/22 16:20		
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570938	03/22/22 13:27	RRC	TAL PEN
Total/NA	Analysis	Total Nitrogen		1			570690	03/21/22 10:38	RRC	TAL PEN
Total/NA	Analysis	SM 9222D		1			569758		DEK	TAL PEN
							(Start)	03/11/22 17:30		
							(End)	03/12/22 16:41		
Total/NA	Analysis	SM 9223		1			569767	03/11/22 18:31	DVN	TAL PEN

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-216882-2

Date Collected: 03/11/22 12:10

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		5			570120	03/15/22 19:55	KIS	TAL PEN
Total/NA	Analysis	SM 2340B		5			570120	03/15/22 19:55	KIS	TAL PEN
Total/NA	Prep	1664A			948 mL	1000 mL	569899	03/14/22 14:45	ARE	TAL PEN
Total/NA	Analysis	1664A		1			570007	03/15/22 11:36	ARE	TAL PEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	570522	03/18/22 17:19	ANE	TAL PEN
Total/NA	Prep	351.2			25 mL	25 mL	570551	03/18/22 16:39	RLL	TAL PEN
Total/NA	Analysis	351.2		1			570751	03/21/22 12:06	ANE	TAL PEN
Total/NA	Analysis	353.2		1	10 mL	10 mL	569730	03/12/22 03:23	DEK	TAL PEN
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	570553	03/18/22 16:45	RLL	TAL PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	570562	03/19/22 10:44	ANE	TAL PEN
Total/NA	Analysis	SM 2130B		1			569732	03/13/22 00:13	DEK	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	570246	03/16/22 17:39	VB	TAL PEN
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	570247	03/16/22 18:30	VB	TAL PEN

Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-216882-2

Date Collected: 03/11/22 12:10

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	569862		DVN	TAL PEN
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570938	03/22/22 13:27	RRC	TAL PEN
Total/NA	Analysis	Total Nitrogen		1			570690	03/21/22 10:38	RRC	TAL PEN
Total/NA	Analysis	SM 9222D		1			569758		DEK	TAL PEN
							(Start)	03/11/22 17:30		
							(End)	03/12/22 16:41		
Total/NA	Analysis	SM 9223		1			569767	03/11/22 18:31	DVN	TAL PEN

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-216882-3

Date Collected: 03/11/22 11:21

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	200.8		5			570120	03/15/22 19:58	KIS	TAL PEN
Total/NA	Analysis	SM 2340B		5			570120	03/15/22 19:58	KIS	TAL PEN
Total/NA	Prep	1664A			968 mL	1000 mL	569899	03/14/22 14:45	ARE	TAL PEN
Total/NA	Analysis	1664A		1			570007	03/15/22 11:36	ARE	TAL PEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	570522	03/18/22 17:19	ANE	TAL PEN
Total/NA	Prep	351.2			25 mL	25 mL	570551	03/18/22 16:39	RLL	TAL PEN
Total/NA	Analysis	351.2		1			570751	03/21/22 12:07	ANE	TAL PEN
Total/NA	Analysis	353.2		1	10 mL	10 mL	569730	03/12/22 03:24	DEK	TAL PEN
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	570553	03/18/22 16:45	RLL	TAL PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	570562	03/19/22 10:45	ANE	TAL PEN
Total/NA	Analysis	SM 2130B		1			569732	03/13/22 00:13	DEK	TAL PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	570246	03/16/22 17:39	VB	TAL PEN
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	570247	03/16/22 18:30	VB	TAL PEN
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	569862		DVN	TAL PEN
							(Start)	03/11/22 17:14		
							(End)	03/16/22 16:20		
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570960	03/22/22 15:10	RRC	TAL PEN
Total/NA	Analysis	Total Nitrogen		1			570690	03/21/22 10:38	RRC	TAL PEN
Total/NA	Analysis	SM 9222D		1			569758		DEK	TAL PEN
							(Start)	03/11/22 17:30		
							(End)	03/12/22 16:41		
Total/NA	Analysis	SM 9223		1			569767	03/11/22 18:31	DVN	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-569730/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	10 mL	10 mL	569730	03/12/22 02:38	DEK	TAL PEN

Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-569732/3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			569732	03/13/22 00:12	DEK	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-569758/1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9222D		1			569758		DEK	TAL PEN
							(Start)	03/11/22 17:30		
							(End)	03/12/22 16:41		

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-569767/1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9223		1			569767	03/11/22 18:31	DVN	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-569800/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	569800	03/14/22 09:06	ARE	TAL PEN
Total/NA	Analysis	1664A		1			569879	03/14/22 13:25	ARE	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-569899/1-A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	569899	03/14/22 14:45	ARE	TAL PEN
Total/NA	Analysis	1664A		1			570007	03/15/22 11:36	ARE	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-570061/1-A ^5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	570061	03/15/22 14:39	KWN	TAL PEN
Total/NA	Analysis	200.8		5			570120	03/15/22 19:26	KIS	TAL PEN

Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-570246/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	570246	03/16/22 17:39	VB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-570247/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	1000 mL	100 mL	570247	03/16/22 18:30	VB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-570522/56

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	570522	03/18/22 17:16	ANE	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-570551/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	351.2			25 mL	25 mL	570551	03/18/22 16:39	RLL	TAL PEN
Total/NA	Analysis	351.2		1			570751	03/21/22 11:52	ANE	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-570553/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	570553	03/18/22 16:45	RLL	TAL PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	570562	03/19/22 10:30	ANE	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-570938/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570938	03/22/22 13:27	RRC	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-570960/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570960	03/22/22 15:10	RRC	TAL PEN

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Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: Method Blank

Lab Sample ID: USB 400-569862/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	569862	03/11/22 18:10 03/16/22 16:20	DVN	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-569730/8

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	10 mL	10 mL	569730	03/12/22 16:02	DEK	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-569732/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			569732	03/13/22 00:12	DEK	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-569758/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9222D		1			569758	03/11/22 17:30 03/12/22 16:41	DEK	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-569800/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	569800	03/14/22 09:06	ARE	TAL PEN
Total/NA	Analysis	1664A		1			569879	03/14/22 13:25	ARE	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-569862/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	1 mL	1 mL	569862	03/11/22 18:10 03/16/22 16:20	DVN	TAL PEN

Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-569899/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	569899	03/14/22 14:45	ARE	TAL PEN
Total/NA	Analysis	1664A		1			570007	03/15/22 11:36	ARE	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570061/2-A ^5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	570061	03/15/22 14:39	KWN	TAL PEN
Total/NA	Analysis	200.8		5			570120	03/15/22 19:29	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570246/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	570246	03/16/22 17:39	VB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570247/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	570247	03/16/22 18:30	VB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570522/57

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	570522	03/18/22 17:16	ANE	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570551/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	351.2			25 mL	25 mL	570551	03/18/22 16:39	RLL	TAL PEN
Total/NA	Analysis	351.2		1			570751	03/21/22 11:53	ANE	TAL PEN

Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570553/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	570553	03/18/22 16:45	RLL	TAL PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	570562	03/19/22 10:31	ANE	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570938/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570938	03/22/22 13:27	RRC	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-570960/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570960	03/22/22 15:10	RRC	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-569800/3-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	569800	03/14/22 09:06	ARE	TAL PEN
Total/NA	Analysis	1664A		1			569879	03/14/22 13:25	ARE	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-569899/3-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	569899	03/14/22 14:45	ARE	TAL PEN
Total/NA	Analysis	1664A		1			570007	03/15/22 11:36	ARE	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-569730/9

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	10 mL	10 mL	569730	03/12/22 02:42	DEK	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-570522/16

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	570522	03/18/22 11:50	ANE	TAL PEN

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Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-570562/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	365.4		1	10 mL	10 mL	570562	03/19/22 10:24	ANE	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-570751/10

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	351.2		1			570751	03/21/22 11:46	ANE	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-570938/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570938	03/22/22 13:27	RRC	TAL PEN

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-216882-1 MS

Date Collected: 03/11/22 10:07

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	570061	03/15/22 14:39	KWN	TAL PEN
Total/NA	Analysis	200.8		5			570120	03/15/22 19:42	KIS	TAL PEN

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-216882-1 MSD

Date Collected: 03/11/22 10:07

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	570061	03/15/22 14:39	KWN	TAL PEN
Total/NA	Analysis	200.8		5			570120	03/15/22 19:52	KIS	TAL PEN

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-216882-3 MS

Date Collected: 03/11/22 11:21

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570960	03/22/22 15:10	RRC	TAL PEN

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-216882-3 MSD

Date Collected: 03/11/22 11:21

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	570960	03/22/22 15:10	RRC	TAL PEN

Eurofins Pensacola

Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-216882-1 DU

Date Collected: 03/11/22 10:07

Matrix: Water

Date Received: 03/11/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			569732	03/13/22 00:13	DEK	TAL PEN
Total/NA	Analysis	SM 9222D		1			569758		DEK	TAL PEN
							(Start)	03/11/22 17:30		
							(End)	03/12/22 16:41		

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001



Method Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL PEN
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	TAL PEN
1664A	HEM and SGT-HEM	1664A	TAL PEN
350.1	Nitrogen, Ammonia	MCAWW	TAL PEN
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL PEN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL PEN
365.4	Phosphorus, Total	EPA	TAL PEN
SM 2130B	Turbidity	SM	TAL PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL PEN
SM 5210B	BOD, 5-Day	SM	TAL PEN
SM 5220D	COD	SM	TAL PEN
Total Nitrogen	Nitrogen, Total	EPA	TAL PEN
SM 9222D	Coliforms, Fecal (Membrane Filter)	SM	TAL PEN
SM 9223	Coliforms, Total, and E.Coli (Colilert - Quanti Tray)	SM	TAL PEN
1664A	HEM and SGT-HEM (Aqueous)	1664A	TAL PEN
200.8	Preparation, Total Metals	EPA	TAL PEN
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL PEN
365.2/365.3/365	Phosphorus, Total	MCAWW	TAL PEN

Protocol References:

1664A = EPA-821-98-002

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

TAL PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-216882-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-22
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
West Virginia DEP	State	136	05-31-22

Chain of Custody Record

<p>Client Information</p> <p>Client Contact: Brian Morgan</p> <p>Company: Neel-Schaffer Inc</p> <p>Address: PO BOX 22625</p> <p>City: Jackson</p> <p>State, Zip: MS, 39225</p> <p>Phone: 251-471-2000(Tel)</p> <p>Email: brian.morgan@neel-schaffer.com</p> <p>Project Name: Mobile MS4 Representative Sampling</p> <p>Site:</p>	<p>Sampler: CRAIG PARKER</p> <p>Lab PM: Bruzzo, Taylor M</p> <p>E-Mail: Taylor.Bruzzo@Eurofinset.com</p> <p>Carrier Tracking No(s):</p>	<p>COC No: 400-96256-31844.1</p> <p>Page: Page 1 of 1</p> <p>Job #:</p>																																																							
<p>Analysis Requested</p> <p>Due Date Requested: TAT Requested (days): PO #: Purchase Order not required WO #: Project #: 40010963 SSO#::</p>																																																									
<p>Sample Identification</p> <p>Rabbit Creek</p> <p>Eslava Creek</p> <p>Eight Mile Creek</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=waste/oil, BI=BIOTIN, A=AI)</th> <th>Field Filtered Sample (Yes or No)</th> </tr> </thead> <tbody> <tr> <td>3/11/22</td> <td>10:07A</td> <td></td> <td>Water</td> <td>X</td> </tr> <tr> <td>3/11/22</td> <td>12:18PM</td> <td></td> <td>Water</td> <td>X</td> </tr> <tr> <td>3/11/22</td> <td>11:21A</td> <td></td> <td>Water</td> <td>X</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BI=BIOTIN, A=AI)	Field Filtered Sample (Yes or No)	3/11/22	10:07A		Water	X	3/11/22	12:18PM		Water	X	3/11/22	11:21A		Water	X																																				<p>Special Instructions/Note:</p> <p>Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - As/NaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:</p> <p>Total Number of containers</p>
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BI=BIOTIN, A=AI)	Field Filtered Sample (Yes or No)																																																					
3/11/22	10:07A		Water	X																																																					
3/11/22	12:18PM		Water	X																																																					
3/11/22	11:21A		Water	X																																																					
<p>TEST AMERICA INC. 700 - MOBILE</p>																																																									
<p>Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)</p>																																																									
<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months Special Instructions/QC Requirements:</p>																																																									
<p>Empty Kit Relinquished by: Relinquished by: Craig Parker Relinquished by: M. P. Padgett Relinquished by: EEES Date/Time: 3/11/22 12:41PM Date/Time: 3/11/22 1420 Date/Time: 3/11/22 1600 Company: EEES Company: EEES Company: EEES</p>																																																									
<p>Cooler Temperature(s) °C and Other Remarks: 100C 1P9</p>																																																									

Login Sample Receipt Checklist

Client: Neel-Schaffer Inc

Job Number: 400-216882-1

Login Number: 216882

List Source: Eurofins Pensacola

List Number: 1

Creator: Whitley, Adrian

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.	N/A	
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	1.0°C IR9
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Morgan
Neel-Schaffer Inc
PO BOX 22625
Jackson, Mississippi 39225

Generated 11/30/2022 4:14:17 PM

JOB DESCRIPTION

Mobile MS4 Representative Sampling

JOB NUMBER

400-228951-1

Eurofins Pensacola

Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins TestAmerica Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
Taylor Bruzzio, Project Manager I
Taylor.Bruzzio@et.eurofinsus.com
(850)471-6226



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Case Narrative

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Job ID: 400-228951-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-228951-1

Comments

No additional comments.

Receipt

The samples were received on 11/15/2022 12:40 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.6° C, 1.1° C and 1.6° C.

Metals

Method 200.8: The method blank for preparation batch 400-601509 and analytical batch 400-601871 contained Copper above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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 USB dilution water D.O. depletion was greater than 0.2 mg/L. The associated sample results in batch 400-601113 are qualified and reported. Actual method blank recovery was at 0.33 mg/L.

Method SM 5220D: The following sample was diluted to bring the concentration of target analytes within the calibration range: RABBIT CREEK (400-228951-1). Elevated reporting limits (RLs) are provided.

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

Organic Prep

Methods 1664A, 1664B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 400-602773.

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



Detection Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-228951-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.2	J B	2.5	1.0	ug/L	5		200.8	Total/NA
Hardness as calcium carbonate	2300		6.0	4.6	mg/L	5		SM 2340B	Total/NA
Ammonia	0.13		0.050	0.024	mg/L	1		350.1	Total/NA
Nitrogen, Kjeldahl	0.38	J	0.50	0.26	mg/L	1		351.2	Total/NA
Nitrate Nitrite as N	0.22		0.050	0.018	mg/L	1		353.2	Total/NA
Turbidity	2.5		0.50	0.50	NTU	1		SM 2130B	Total/NA
Total Dissolved Solids	2600		25	25	mg/L	1		SM 2540C	Total/NA
Biochemical Oxygen Demand	2.0	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	19	J	20	13	mg/L	2		SM 5220D	Total/NA
Nitrogen, Total	0.60		0.50	0.26	mg/L	1		Total Nitrogen	Total/NA
Coliform, Fecal	530		1.0	1.0	CFU/100mL	1		SM 9222D	Total/NA
Escherichia coli	520		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA
Coliform, Total	2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-228951-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.8	J B	2.5	1.0	ug/L	5		200.8	Total/NA
Lead	0.62	J	1.3	0.29	ug/L	5		200.8	Total/NA
Hardness as calcium carbonate	110		6.0	4.6	mg/L	5		SM 2340B	Total/NA
Nitrate Nitrite as N	0.18		0.050	0.018	mg/L	1		353.2	Total/NA
Phosphorus, Total	0.053	J	0.10	0.049	mg/L	1		365.4	Total/NA
Turbidity	9.1		0.50	0.50	NTU	1		SM 2130B	Total/NA
Total Dissolved Solids	28		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Biochemical Oxygen Demand	2.0	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	11		10	6.4	mg/L	1		SM 5220D	Total/NA
Coliform, Fecal	4100		1.0	1.0	CFU/100mL	1		SM 9222D	Total/NA
Escherichia coli	2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA
Coliform, Total	2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-228951-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.1	J B	2.5	1.0	ug/L	5		200.8	Total/NA
Lead	0.98	J	1.3	0.29	ug/L	5		200.8	Total/NA
Hardness as calcium carbonate	100		6.0	4.6	mg/L	5		SM 2340B	Total/NA
Nitrate Nitrite as N	0.24		0.050	0.018	mg/L	1		353.2	Total/NA
Phosphorus, Total	0.058	J	0.10	0.049	mg/L	1		365.4	Total/NA
Turbidity	19		0.50	0.50	NTU	1		SM 2130B	Total/NA
Total Dissolved Solids	52		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	16		5.0	5.0	mg/L	1		SM 2540D	Total/NA
Biochemical Oxygen Demand	2.0	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Chemical Oxygen Demand	17		10	6.4	mg/L	1		SM 5220D	Total/NA
Coliform, Fecal	1500		1.0	1.0	CFU/100mL	1		SM 9222D	Total/NA
Escherichia coli	2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA
Coliform, Total	2400		1.0	1.0	MPN/100mL	1		SM 9223	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Sample Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-228951-1	RABBIT CREEK	Water	11/15/22 09:24	11/15/22 12:40
400-228951-2	ESLAVA CREEK	Water	11/15/22 10:15	11/15/22 12:40
400-228951-3	EIGHT MILE CREEK	Water	11/15/22 08:06	11/15/22 12:40

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-228951-1

Date Collected: 11/15/22 09:24

Matrix: Water

Date Received: 11/15/22 12:40

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L		11/19/22 13:26	11/22/22 00:39	5
Copper	1.2	J B	2.5	1.0	ug/L		11/19/22 13:26	11/22/22 00:39	5
Lead	<0.29		1.3	0.29	ug/L		11/19/22 13:26	11/22/22 00:39	5
Zinc	<8.8		20	8.8	ug/L		11/19/22 13:26	11/22/22 00:39	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	2300		6.0	4.6	mg/L		11/19/22 13:26	11/22/22 00:39	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664A)	<1.3		3.8	1.3	mg/L		11/30/22 07:34	11/30/22 09:13	1
Ammonia (MCAWW 350.1)	0.13		0.050	0.024	mg/L			11/28/22 15:54	1
Nitrogen, Kjeldahl (MCAWW 351.2)	0.38	J	0.50	0.26	mg/L		11/22/22 15:06	11/28/22 13:52	1
Nitrate Nitrite as N (MCAWW 353.2)	0.22		0.050	0.018	mg/L			11/19/22 01:55	1
Phosphorus, Total (EPA 365.4)	<0.049		0.10	0.049	mg/L		11/22/22 15:06	11/23/22 16:07	1
Total Dissolved Solids (SM 2540C)	2600		25	25	mg/L			11/17/22 15:17	1
Total Suspended Solids (SM 2540D)	<5.0		5.0	5.0	mg/L			11/16/22 14:33	1
Biochemical Oxygen Demand (SM 5210B)	2.0	b	2.0	2.0	mg/L			11/15/22 16:46	1
Chemical Oxygen Demand (SM 5220D)	19	J	20	13	mg/L			11/18/22 18:59	2
Nitrogen, Total (EPA Total Nitrogen)	0.60		0.50	0.26	mg/L			11/17/22 08:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity (SM 2130B)	2.5		0.50	0.50	NTU			11/16/22 21:08	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	530		1.0	1.0	CFU/100mL			11/15/22 14:35	1

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	520		1.0	1.0	MPN/100mL			11/15/22 14:53	1
Coliform, Total	2400		1.0	1.0	MPN/100mL			11/15/22 14:53	1

Client Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-228951-2

Date Collected: 11/15/22 10:15

Matrix: Water

Date Received: 11/15/22 12:40

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L		11/19/22 13:26	11/22/22 00:42	5
Copper	1.8	J B	2.5	1.0	ug/L		11/19/22 13:26	11/22/22 00:42	5
Lead	0.62	J	1.3	0.29	ug/L		11/19/22 13:26	11/22/22 00:42	5
Zinc	<8.8		20	8.8	ug/L		11/19/22 13:26	11/22/22 00:42	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	110		6.0	4.6	mg/L		11/19/22 13:26	11/22/22 00:42	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664A)	<1.4		4.0	1.4	mg/L		11/30/22 07:34	11/30/22 09:13	1
Ammonia (MCAWW 350.1)	<0.024		0.050	0.024	mg/L			11/28/22 15:54	1
Nitrogen, Kjeldahl (MCAWW 351.2)	<0.26		0.50	0.26	mg/L		11/22/22 15:06	11/28/22 13:53	1
Nitrate Nitrite as N (MCAWW 353.2)	0.18		0.050	0.018	mg/L			11/19/22 01:57	1
Phosphorus, Total (EPA 365.4)	0.053	J	0.10	0.049	mg/L		11/22/22 15:06	11/23/22 16:08	1
Total Dissolved Solids (SM 2540C)	28		5.0	5.0	mg/L			11/17/22 15:17	1
Total Suspended Solids (SM 2540D)	<5.0		5.0	5.0	mg/L			11/16/22 14:33	1
Biochemical Oxygen Demand (SM 5210B)	2.0	b	2.0	2.0	mg/L			11/15/22 16:57	1
Chemical Oxygen Demand (SM 5220D)	11		10	6.4	mg/L			11/18/22 18:59	1
Nitrogen, Total (EPA Total Nitrogen)	<0.26		0.50	0.26	mg/L			11/17/22 08:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity (SM 2130B)	9.1		0.50	0.50	NTU			11/16/22 21:08	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	4100		1.0	1.0	CFU/100mL			11/15/22 14:35	1

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	2400		1.0	1.0	MPN/100mL			11/15/22 14:53	1
Coliform, Total	2400		1.0	1.0	MPN/100mL			11/15/22 14:53	1

Client Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-228951-3

Date Collected: 11/15/22 08:06

Matrix: Water

Date Received: 11/15/22 12:40

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L		11/19/22 13:26	11/22/22 00:45	5
Copper	1.1	J B	2.5	1.0	ug/L		11/19/22 13:26	11/22/22 00:45	5
Lead	0.98	J	1.3	0.29	ug/L		11/19/22 13:26	11/22/22 00:45	5
Zinc	<8.8		20	8.8	ug/L		11/19/22 13:26	11/22/22 00:45	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	100		6.0	4.6	mg/L		11/19/22 13:26	11/22/22 00:45	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664A)	<1.6		4.4	1.6	mg/L		11/30/22 07:34	11/30/22 09:13	1
Ammonia (MCAWW 350.1)	<0.024		0.050	0.024	mg/L			11/28/22 15:54	1
Nitrogen, Kjeldahl (MCAWW 351.2)	<0.26		0.50	0.26	mg/L		11/22/22 15:06	11/28/22 13:54	1
Nitrate Nitrite as N (MCAWW 353.2)	0.24		0.050	0.018	mg/L			11/19/22 01:59	1
Phosphorus, Total (EPA 365.4)	0.058	J	0.10	0.049	mg/L		11/22/22 15:06	11/23/22 16:09	1
Total Dissolved Solids (SM 2540C)	52		5.0	5.0	mg/L			11/17/22 15:17	1
Total Suspended Solids (SM 2540D)	16		5.0	5.0	mg/L			11/16/22 14:33	1
Biochemical Oxygen Demand (SM 5210B)	2.0	b	2.0	2.0	mg/L			11/15/22 17:02	1
Chemical Oxygen Demand (SM 5220D)	17		10	6.4	mg/L			11/18/22 18:59	1
Nitrogen, Total (EPA Total Nitrogen)	<0.26		0.50	0.26	mg/L			11/17/22 08:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity (SM 2130B)	19		0.50	0.50	NTU			11/16/22 21:08	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1500		1.0	1.0	CFU/100mL			11/15/22 14:35	1

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	2400		1.0	1.0	MPN/100mL			11/15/22 14:53	1
Coliform, Total	2400		1.0	1.0	MPN/100mL			11/15/22 14:53	1

Definitions/Glossary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
b	Result Detected in the Unseeded Control blank (USB).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

QC Association Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Metals

Prep Batch: 601509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	200.8	
400-228951-2	ESLAVA CREEK	Total/NA	Water	200.8	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	200.8	
MB 400-601509/1-A ^5	Method Blank	Total/NA	Water	200.8	
LCS 400-601509/2-A ^5	Lab Control Sample	Total/NA	Water	200.8	

Analysis Batch: 601871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	200.8	601509
400-228951-2	ESLAVA CREEK	Total/NA	Water	200.8	601509
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	200.8	601509
MB 400-601509/1-A ^5	Method Blank	Total/NA	Water	200.8	601509
LCS 400-601509/2-A ^5	Lab Control Sample	Total/NA	Water	200.8	601509

Analysis Batch: 602913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 2340B	601509
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 2340B	601509
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 2340B	601509

General Chemistry

Analysis Batch: 601016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 2540D	
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 2540D	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 2540D	
MB 400-601016/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 400-601016/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 601077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 2130B	
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 2130B	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 2130B	
MB 400-601077/32	Method Blank	Total/NA	Water	SM 2130B	
MB 400-601077/4	Method Blank	Total/NA	Water	SM 2130B	
LCS 400-601077/33	Lab Control Sample	Total/NA	Water	SM 2130B	
LCS 400-601077/5	Lab Control Sample	Total/NA	Water	SM 2130B	
MRL 400-601077/3	Lab Control Sample	Total/NA	Water	SM 2130B	
400-228951-2 DU	ESLAVA CREEK	Total/NA	Water	SM 2130B	

Analysis Batch: 601098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	Total Nitrogen	
400-228951-2	ESLAVA CREEK	Total/NA	Water	Total Nitrogen	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	Total Nitrogen	

Analysis Batch: 601113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 5210B	

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QC Association Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

General Chemistry (Continued)

Analysis Batch: 601113 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 5210B	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 5210B	
USB 400-601113/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 400-601113/2	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 601225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 2540C	
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 2540C	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 2540C	
MB 400-601225/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-601225/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-228951-1 DU	RABBIT CREEK	Total/NA	Water	SM 2540C	

Analysis Batch: 601477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 5220D	
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 5220D	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 5220D	
MB 400-601477/4	Method Blank	Total/NA	Water	SM 5220D	
LCS 400-601477/5	Lab Control Sample	Total/NA	Water	SM 5220D	
MRL 400-601477/2	Lab Control Sample	Total/NA	Water	SM 5220D	

Analysis Batch: 601534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	353.2	
400-228951-2	ESLAVA CREEK	Total/NA	Water	353.2	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	353.2	
MB 400-601534/16	Method Blank	Total/NA	Water	353.2	
LCS 400-601534/17	Lab Control Sample	Total/NA	Water	353.2	
MRL 400-601534/18	Lab Control Sample	Total/NA	Water	353.2	

Prep Batch: 602009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	351.2	
400-228951-2	ESLAVA CREEK	Total/NA	Water	351.2	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	351.2	
MB 400-602009/1-A	Method Blank	Total/NA	Water	351.2	
LCS 400-602009/2-A	Lab Control Sample	Total/NA	Water	351.2	

Prep Batch: 602010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	365.2/365.3/365	
400-228951-2	ESLAVA CREEK	Total/NA	Water	365.2/365.3/365	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	365.2/365.3/365	
MB 400-602010/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 400-602010/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 602233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	365.4	602010

QC Association Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

General Chemistry (Continued)

Analysis Batch: 602233 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-2	ESLAVA CREEK	Total/NA	Water	365.4	602010
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	365.4	602010
MB 400-602010/1-A	Method Blank	Total/NA	Water	365.4	602010
LCS 400-602010/2-A	Lab Control Sample	Total/NA	Water	365.4	602010
MRL 400-602233/11	Lab Control Sample	Total/NA	Water	365.4	

Analysis Batch: 602558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 400-602558/11	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 602563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	351.2	602009
400-228951-2	ESLAVA CREEK	Total/NA	Water	351.2	602009
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	351.2	602009
MB 400-602009/1-A	Method Blank	Total/NA	Water	351.2	602009
LCS 400-602009/2-A	Lab Control Sample	Total/NA	Water	351.2	602009

Analysis Batch: 602571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	350.1	
400-228951-2	ESLAVA CREEK	Total/NA	Water	350.1	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	350.1	
MB 400-602571/70	Method Blank	Total/NA	Water	350.1	
LCS 400-602571/71	Lab Control Sample	Total/NA	Water	350.1	

Prep Batch: 602773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	1664A	
400-228951-2	ESLAVA CREEK	Total/NA	Water	1664A	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	1664A	
MB 400-602773/1-A	Method Blank	Total/NA	Water	1664A	
LCS 400-602773/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 400-602773/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 602791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	1664A	602773
400-228951-2	ESLAVA CREEK	Total/NA	Water	1664A	602773
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	1664A	602773
MB 400-602773/1-A	Method Blank	Total/NA	Water	1664A	602773
LCS 400-602773/2-A	Lab Control Sample	Total/NA	Water	1664A	602773
LCSD 400-602773/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	602773

Biology

Analysis Batch: 600950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 9223	
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 9223	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 9223	

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QC Association Summary

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Biology (Continued)

Analysis Batch: 600950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-600950/1	Method Blank	Total/NA	Water	SM 9223	

Analysis Batch: 601062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228951-1	RABBIT CREEK	Total/NA	Water	SM 9222D	
400-228951-2	ESLAVA CREEK	Total/NA	Water	SM 9222D	
400-228951-3	EIGHT MILE CREEK	Total/NA	Water	SM 9222D	
MB 400-601062/1	Method Blank	Total/NA	Water	SM 9222D	
LCS 400-601062/2	Lab Control Sample	Total/NA	Water	SM 9222D	
400-228951-1 DU	RABBIT CREEK	Total/NA	Water	SM 9222D	



QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 400-601509/1-A ^5
 Matrix: Water
 Analysis Batch: 601871

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 601509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.28		2.5	0.28	ug/L		11/19/22 13:26	11/21/22 23:44	5
Copper	1.06	J	2.5	1.0	ug/L		11/19/22 13:26	11/21/22 23:44	5
Lead	<0.29		1.3	0.29	ug/L		11/19/22 13:26	11/21/22 23:44	5
Zinc	<8.8		20	8.8	ug/L		11/19/22 13:26	11/21/22 23:44	5

Lab Sample ID: LCS 400-601509/2-A ^5
 Matrix: Water
 Analysis Batch: 601871

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 601509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	50.0	50.4		ug/L		101	85 - 115
Copper	50.0	51.9		ug/L		104	85 - 115
Lead	50.0	50.7		ug/L		101	85 - 115
Zinc	50.0	47.3		ug/L		95	85 - 115

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 400-602773/1-A
 Matrix: Water
 Analysis Batch: 602791

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 602773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	<1.4		4.0	1.4	mg/L		11/30/22 07:32	11/30/22 09:13	1

Lab Sample ID: LCS 400-602773/2-A
 Matrix: Water
 Analysis Batch: 602791

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 602773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.3	37.10		mg/L		92	78 - 114

Lab Sample ID: LCSD 400-602773/3-A
 Matrix: Water
 Analysis Batch: 602791

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 602773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.3	36.60		mg/L		91	78 - 114	1	18

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-602571/70
 Matrix: Water
 Analysis Batch: 602571

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.024		0.050	0.024	mg/L			11/28/22 15:54	1

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 400-602571/71
 Matrix: Water
 Analysis Batch: 602571

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	2.00	2.09		mg/L		105	90 - 110

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 400-602009/1-A
 Matrix: Water
 Analysis Batch: 602563

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 602009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.26		0.50	0.26	mg/L		11/22/22 15:06	11/28/22 13:44	1

Lab Sample ID: LCS 400-602009/2-A
 Matrix: Water
 Analysis Batch: 602563

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 602009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	10.0	10.3		mg/L		103	90 - 110

Lab Sample ID: MRL 400-602558/11
 Matrix: Water
 Analysis Batch: 602558

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.500	0.480	J	mg/L		96	50 - 150

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-601534/16
 Matrix: Water
 Analysis Batch: 601534

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.018		0.050	0.018	mg/L			11/19/22 01:19	1

Lab Sample ID: LCS 400-601534/17
 Matrix: Water
 Analysis Batch: 601534

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.500	0.469		mg/L		94	90 - 110

Lab Sample ID: MRL 400-601534/18
 Matrix: Water
 Analysis Batch: 601534

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.0500	0.0710		mg/L		142	50 - 150

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Method: 365.4 - Phosphorus, Total

Lab Sample ID: MB 400-602010/1-A
 Matrix: Water
 Analysis Batch: 602233

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 602010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	<0.049		0.10	0.049	mg/L		11/22/22 15:06	11/23/22 15:59	1

Lab Sample ID: LCS 400-602010/2-A
 Matrix: Water
 Analysis Batch: 602233

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 602010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	1.98	2.12		mg/L		107	75 - 113

Lab Sample ID: MRL 400-602233/11
 Matrix: Water
 Analysis Batch: 602233

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	0.100	0.0832	J	mg/L		83	50 - 150

Method: SM 2130B - Turbidity

Lab Sample ID: MB 400-601077/32
 Matrix: Water
 Analysis Batch: 601077

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	<0.50		0.50	0.50	NTU			11/16/22 21:08	1

Lab Sample ID: MB 400-601077/4
 Matrix: Water
 Analysis Batch: 601077

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Turbidity	<0.50		0.50	0.50	NTU			11/16/22 21:08	1

Lab Sample ID: LCS 400-601077/33
 Matrix: Water
 Analysis Batch: 601077

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	10.0	10		NTU		102	90 - 110

Lab Sample ID: LCS 400-601077/5
 Matrix: Water
 Analysis Batch: 601077

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	10.0	10		NTU		103	90 - 110

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Method: SM 2130B - Turbidity (Continued)

Lab Sample ID: MRL 400-601077/3
 Matrix: Water
 Analysis Batch: 601077

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Turbidity	1.00	0.60		NTU		60	50-1 - 50

Lab Sample ID: 400-228951-2 DU
 Matrix: Water
 Analysis Batch: 601077

Client Sample ID: ESLAVA CREEK
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Turbidity	9.1		8.6		NTU		5	8

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

Lab Sample ID: MB 400-601225/1
 Matrix: Water
 Analysis Batch: 601225

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	<5.0		5.0	5.0	mg/L			11/17/22 15:17	1

Lab Sample ID: LCS 400-601225/2
 Matrix: Water
 Analysis Batch: 601225

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	293	294		mg/L		100	78 - 122

Lab Sample ID: 400-228951-1 DU
 Matrix: Water
 Analysis Batch: 601225

Client Sample ID: RABBIT CREEK
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2600		2440		mg/L		4	5

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 400-601016/1
 Matrix: Water
 Analysis Batch: 601016

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	<0.50		0.50	0.50	mg/L			11/16/22 14:33	1

Lab Sample ID: LCS 400-601016/2
 Matrix: Water
 Analysis Batch: 601016

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	311	313		mg/L		101	82 - 118

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 400-601113/1
 Matrix: Water
 Analysis Batch: 601113

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0	2.0	mg/L			11/15/22 17:28	1

Lab Sample ID: LCS 400-601113/2
 Matrix: Water
 Analysis Batch: 601113

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	198	196		mg/L		99	85 - 115

Method: SM 5220D - COD

Lab Sample ID: MB 400-601477/4
 Matrix: Water
 Analysis Batch: 601477

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<6.4		10	6.4	mg/L			11/18/22 18:59	1

Lab Sample ID: LCS 400-601477/5
 Matrix: Water
 Analysis Batch: 601477

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	50.0	51.3		mg/L		103	90 - 110

Lab Sample ID: MRL 400-601477/2
 Matrix: Water
 Analysis Batch: 601477

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	30.0	29.9		mg/L		100	50 - 150

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Lab Sample ID: MB 400-601062/1
 Matrix: Water
 Analysis Batch: 601062

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	1.0	CFU/100mL			11/15/22 14:35	1

Lab Sample ID: 400-228951-1 DU
 Matrix: Water
 Analysis Batch: 601062

Client Sample ID: RABBIT CREEK
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Coliform, Fecal	530		800		CFU/100mL		40	50

QC Sample Results

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Method: SM 9223 - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

Lab Sample ID: MB 400-600950/1
Matrix: Water
Analysis Batch: 600950

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

Analyte	MB MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Escherichia coli	<1.0		1.0	1.0	MPN/100mL			11/15/22 14:53	1
Coliform, Total	<1.0		1.0	1.0	MPN/100mL			11/15/22 14:53	1

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Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-228951-1

Date Collected: 11/15/22 09:24

Matrix: Water

Date Received: 11/15/22 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	200.8		5			601871	11/22/22 00:39	NTH	EET PEN
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	SM 2340B		5			602913	11/22/22 00:39	NTH	EET PEN
Total/NA	Prep	1664A			1042 mL	1000 mL	602773	11/30/22 07:34	PG	EET PEN
Total/NA	Analysis	1664A		1			602791	11/30/22 09:13	PG	EET PEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	602571	11/28/22 15:54	CAC	EET PEN
Total/NA	Prep	351.2			25 mL	25 mL	602009	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	351.2		1			602563	11/28/22 13:52	ANE	EET PEN
Total/NA	Analysis	353.2		1	10 mL	10 mL	601534	11/19/22 01:55	DEK	EET PEN
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	602010	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	602233	11/23/22 16:07	ANE	EET PEN
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	601225	11/17/22 15:17	VB	EET PEN
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	601016	11/16/22 14:33	VB	EET PEN
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	601113	11/15/22 16:46	DVN	EET PEN
								Completed:	11/20/22 14:14 ¹	
Total/NA	Analysis	SM 5220D		2	2 mL	2 mL	601477	11/18/22 18:59	DN1	EET PEN
Total/NA	Analysis	Total Nitrogen		1			601098	11/17/22 08:21	RRC	EET PEN
Total/NA	Analysis	SM 9222D		1			601062	11/15/22 14:35	DVN	EET PEN
								Completed:	11/16/22 14:39 ¹	
Total/NA	Analysis	SM 9223		1	100 mL	100 mL	600950	11/15/22 14:53	DVN	EET PEN

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-228951-2

Date Collected: 11/15/22 10:15

Matrix: Water

Date Received: 11/15/22 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	200.8		5			601871	11/22/22 00:42	NTH	EET PEN
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	SM 2340B		5			602913	11/22/22 00:42	NTH	EET PEN
Total/NA	Prep	1664A			1007 mL	1000 mL	602773	11/30/22 07:34	PG	EET PEN
Total/NA	Analysis	1664A		1			602791	11/30/22 09:13	PG	EET PEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	602571	11/28/22 15:54	CAC	EET PEN
Total/NA	Prep	351.2			25 mL	25 mL	602009	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	351.2		1			602563	11/28/22 13:53	ANE	EET PEN
Total/NA	Analysis	353.2		1	10 mL	10 mL	601534	11/19/22 01:57	DEK	EET PEN
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	602010	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	602233	11/23/22 16:08	ANE	EET PEN
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	601225	11/17/22 15:17	VB	EET PEN
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	601016	11/16/22 14:33	VB	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-228951-2

Date Collected: 11/15/22 10:15

Matrix: Water

Date Received: 11/15/22 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	601113	11/15/22 16:57	DVN	EET PEN
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	601477	11/18/22 18:59	DN1	EET PEN
Total/NA	Analysis	Total Nitrogen		1			601098	11/17/22 08:21	RRC	EET PEN
Total/NA	Analysis	SM 9222D		1			601062	11/15/22 14:35	DVN	EET PEN
							Completed:	11/16/22 14:39 ¹		
Total/NA	Analysis	SM 9223		1	100 mL	100 mL	600950	11/15/22 14:53	DVN	EET PEN

Client Sample ID: EIGHT MILE CREEK

Lab Sample ID: 400-228951-3

Date Collected: 11/15/22 08:06

Matrix: Water

Date Received: 11/15/22 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	200.8		5			601871	11/22/22 00:45	NTH	EET PEN
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	SM 2340B		5			602913	11/22/22 00:45	NTH	EET PEN
Total/NA	Prep	1664A			900 mL	1000 mL	602773	11/30/22 07:34	PG	EET PEN
Total/NA	Analysis	1664A		1			602791	11/30/22 09:13	PG	EET PEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	602571	11/28/22 15:54	CAC	EET PEN
Total/NA	Prep	351.2			25 mL	25 mL	602009	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	351.2		1			602563	11/28/22 13:54	ANE	EET PEN
Total/NA	Analysis	353.2		1	10 mL	10 mL	601534	11/19/22 01:59	DEK	EET PEN
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	602010	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	602233	11/23/22 16:09	ANE	EET PEN
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	601225	11/17/22 15:17	VB	EET PEN
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	601016	11/16/22 14:33	VB	EET PEN
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	601113	11/15/22 17:02	DVN	EET PEN
							Completed:	11/20/22 14:14 ¹		
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	601477	11/18/22 18:59	DN1	EET PEN
Total/NA	Analysis	Total Nitrogen		1			601098	11/17/22 08:21	RRC	EET PEN
Total/NA	Analysis	SM 9222D		1			601062	11/15/22 14:35	DVN	EET PEN
							Completed:	11/16/22 14:39 ¹		
Total/NA	Analysis	SM 9223		1	100 mL	100 mL	600950	11/15/22 14:53	DVN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-600950/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9223		1	100 mL	100 mL	600950	11/15/22 14:53	DVN	EET PEN

Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601016/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	1000 mL	100 mL	601016	11/16/22 14:33	VB	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601062/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9222D		1			601062	11/15/22 14:35	DVN	EET PEN
								Completed:	11/16/22 14:39 ¹	

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601077/32

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601077/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601225/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	601225	11/17/22 15:17	VB	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601477/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	601477	11/18/22 18:59	DN1	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601509/1-A ^5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	200.8		5			601871	11/21/22 23:44	NTH	EET PEN

Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-601534/16

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	10 mL	10 mL	601534	11/19/22 01:19	DEK	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-602009/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	351.2			25 mL	25 mL	602009	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	351.2		1			602563	11/28/22 13:44	ANE	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-602010/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	602010	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	602233	11/23/22 15:59	ANE	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-602571/70

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	602571	11/28/22 15:54	CAC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-602773/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	602773	11/30/22 07:32	PG	EET PEN
Total/NA	Analysis	1664A		1			602791	11/30/22 09:13	PG	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: USB 400-601113/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	300 mL	300 mL	601113	11/15/22 17:28	DVN	EET PEN
								Completed:	11/20/22 14:14	¹

Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601016/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	100 mL	100 mL	601016	11/16/22 14:33	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601062/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9222D		1			601062	11/15/22 14:35	DVN	EET PEN
							Completed:	11/16/22 14:39 ¹		

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601077/33

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601077/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601113/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	1 mL	1 mL	601113	11/15/22 17:28	DVN	EET PEN
							Completed:	11/20/22 14:14 ¹		

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601225/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	601225	11/17/22 15:17	VB	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601477/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	601477	11/18/22 18:59	DN1	EET PEN

Lab Chronicle

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601509/2-A ^5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			50 mL	50 mL	601509	11/19/22 13:26	JL	EET PEN
Total/NA	Analysis	200.8		5			601871	11/21/22 23:47	NTH	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-601534/17

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	10 mL	10 mL	601534	11/19/22 01:21	DEK	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-602009/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	351.2			25 mL	25 mL	602009	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	351.2		1			602563	11/28/22 13:45	ANE	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-602010/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	602010	11/22/22 15:06	ANE	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	602233	11/23/22 16:00	ANE	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-602571/71

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	602571	11/28/22 15:54	CAC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-602773/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	602773	11/30/22 07:32	PG	EET PEN
Total/NA	Analysis	1664A		1			602791	11/30/22 09:13	PG	EET PEN

Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-602773/3-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			1000 mL	1000 mL	602773	11/30/22 07:32	PG	EET PEN
Total/NA	Analysis	1664A		1			602791	11/30/22 09:13	PG	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-601077/3

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-601477/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5220D		1	2 mL	2 mL	601477	11/18/22 18:59	DN1	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-601534/18

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	10 mL	10 mL	601534	11/19/22 01:23	DEK	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-602233/11

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	365.4		1	10 mL	10 mL	602233	11/23/22 15:28	ANE	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-602558/11

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	351.2		1			602558	11/28/22 13:21	ANE	EET PEN

Client Sample ID: RABBIT CREEK

Lab Sample ID: 400-228951-1 DU

Date Collected: 11/15/22 09:24

Matrix: Water

Date Received: 11/15/22 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	10 mL	50 mL	601225	11/17/22 15:17	VB	EET PEN
Total/NA	Analysis	SM 9222D		1			601062	11/15/22 14:35	DVN	EET PEN
							Completed:	11/16/22 14:39 ¹		

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Lab Chronicle

Client: Neel-Schaffer Inc
Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Client Sample ID: ESLAVA CREEK

Lab Sample ID: 400-228951-2 DU

Date Collected: 11/15/22 10:15

Matrix: Water

Date Received: 11/15/22 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2130B		1			601077	11/16/22 21:08	DEK	EET PEN

* Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001



Method Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET PEN
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	EET PEN
1664A	HEM and SGT-HEM	1664A	EET PEN
350.1	Nitrogen, Ammonia	MCAWW	EET PEN
351.2	Nitrogen, Total Kjeldahl	MCAWW	EET PEN
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	EET PEN
365.4	Phosphorus, Total	EPA	EET PEN
SM 2130B	Turbidity	SM	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
SM 2540D	Solids, Total Suspended (TSS)	SM	EET PEN
SM 5210B	BOD, 5-Day	SM	EET PEN
SM 5220D	COD	SM	EET PEN
Total Nitrogen	Nitrogen, Total	EPA	EET PEN
SM 9222D	Coliforms, Fecal (Membrane Filter)	SM	EET PEN
SM 9223	Coliforms, Total, and E.Coli (Colilert - Quanti Tray)	SM	EET PEN
1664A	HEM and SGT-HEM (Aqueous)	1664A	EET PEN
200.8	Preparation, Total Metals	EPA	EET PEN
351.2	Nitrogen, Total Kjeldahl	MCAWW	EET PEN
365.2/365.3/365	Phosphorus, Total	MCAWW	EET PEN

Protocol References:

- 1664A = EPA-821-98-002
- EPA = US Environmental Protection Agency
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

- EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001



Accreditation/Certification Summary

Client: Neel-Schaffer Inc
 Project/Site: Mobile MS4 Representative Sampling

Job ID: 400-228951-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

Chain of Custody Record



Sampler: Kirk Chandler Lab PM: Bruzzio, Taylor M 400-228951 COC
Client Contact: Brian Morgan Phone: Taylor.Bruzzio@Eurofins.com E-Mail: Taylor.Bruzzio@Eurofins.com
Company: Neel-Schaffer Inc
Address: PO BOX 22625
City: Jackson State, Zip: MS, 39225
Phone: 251-471-2000(Tel)
Email: brian.morgan@neel-schaffer.com
Project Name: Mobile MS4 Representative Sampling
Site:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=Tissue, AA=AP)	Preservation Code	Analysis Requested										Special Instructions/Note:
						350, 361, 2, 365, 4, Nitrogen, Total	6220D - COD	353, 2, Pres - Nitrate-Nitrite as N	164A - Oil & Grease	SM2130B - Turbidity	200, 8_CWA, SM2340B_ICPMS	6210B - BOD	2640D - TSS	2640C - TDS	9222D - Fecal Coliform	
Rabbit Creek	11/15/22	09:24	G	Water		X	X	X	X	X	X	X	X	X	X	X
Eslava Creek	11/15/22	10:15	G	Water		X	X	X	X	X	X	X	X	X	X	X
Eight Mile Creek	11/15/22	08:06	G	Water		X	X	X	X	X	X	X	X	X	X	X

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: _____ Date: _____
Relinquished by: Kirk Chandler Date/Time: 11/15/22 12:40 Company: _____
Relinquished by: _____ Date/Time: _____ Company: _____
Relinquished by: _____ Date/Time: _____ Company: _____
Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No

Special Instructions/QC Requirements:
 Return To Client Disposal By Lab Archive For _____ Months
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Method of Shipment: _____
Revised by: _____ Date/Time: _____ Company: _____
Received by: _____ Date/Time: _____ Company: _____
Received by: _____ Date/Time: _____ Company: _____
Cooler Temperature(°C) and Other Remarks: 1.0°C, 0.6°C, 1.1°C, 2.9°C

Login Sample Receipt Checklist

Client: Neel-Schaffer Inc

Job Number: 400-228951-1

Login Number: 228951

List Number: 1

Creator: Perez, Trina M

List Source: Eurofins Pensacola

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	1.6°C, 0.6°C, 1.1°C IR-9
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	