Chemical Analysis Report

SE-DIST-2024-05-30-01

Florida DEP Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **SMP - Turkey Creek**
Request ID: **RQ-2024-05-06-32**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
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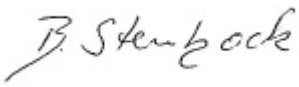
Certified by: Dr. rer. nat. Bettina Steinbock, Environmental Administrator Date Certified: 17-JUN-2024 16:28



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical groups are included in this report: Nutrients and Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

A - Value reported is the mean of two or more determinations.
B - Results based on colony counts outside the acceptable range.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value and/or the analysis did not meet established quality control criteria.
K - Actual value is known to be less than value given.
L - Actual value is known to be greater than value given.
N - Presumptive evidence of presence of material.
O - Sampled, but analysis lost or not performed.
Q - Sample held beyond normal holding time.
T - Value reported is less than the criterion of detection.
U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
V - Analyte was detected in both sample and method blank.
X - Too few individuals to calculate SCI value.
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: NORTH DITCH NEAR BOTTLEBRUSH DR **Collection Date/Time: 05/29/2024 11:20**

Field ID: G5SE0135 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489728	DEP SOP: NU-094-1	Color (true)	95		PCU	P445840	
	EPA 180.1 Rev. 2.0	Turbidity	6.2		NTU	P445834	
	EPA 300.0 Rev. 2.1	Chloride	230		mg Cl/L	P446249	
		Sulfate	38		mg SO4/L	P446253	
	SM 2320 B-2011	Total Alkalinity	89		mg CaCO3/L	P446041	
	SM 2540 C-2015	TDS	616		mg/L	P446296	
	SM 2540 D-2015	TSS	8	I	mg/L	P446162	
	SM 4500-F- C-2011	Fluoride	0.11		mg F/L	P446043	
2489729	EPA 350.1 Rev. 2.0	Ammonia-N	0.23		mg N/L	P446003	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P445902	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.089		mg N/L	P446091	
	EPA 365.1 Rev. 2.0	Total-P	0.045		mg P/L	P445892	
	SM 5310 B-2014	Organic Carbon	20		mg C/L	P446052	
2489774	EPA 8321B	2,4-D	0.048		ug/L	P445818	
		Acesulfame K	0.10	U	ug/L	P445754	
		2,4,5-T	0.0040	U	ug/L	P445818	
		AMPA	0.20	I	ug/L	P445754	
		Acetaminophen	0.0080	U	ug/L	P445818	
		Endothall	0.25	U	ug/L	P445754	
		Acetamiprid	0.0020	U	ug/L	P445818	MS, RPD
		Glufosinate	0.10	U	ug/L	P445754	
		Glyphosate	1.2		ug/L	P445754	
		Afidopyropen	0.0020	U	ug/L	P445818	MS, RPD
		Bentazon	0.35		ug/L	P445818	
		Sucralose	0.19		ug/L	P445754	
		Benzovindiflupyr	0.0020	U	ug/L	P445818	
		Carbamazepine	8.0E-04	U	ug/L	P445818	
		Clothianidin	0.0020	U	ug/L	P445818	
		Dinotefuran	0.0020	U	ug/L	P445818	
		Diuron	0.0020	U	ug/L	P445818	MS
		Fenuron	0.032	U	ug/L	P445818	MS
		Fluridone	0.0014	I	ug/L	P445818	
		Imazapyr	0.077		ug/L	P445818	
		Hydrocodone	0.0020	U	ug/L	P445818	
		Ibuprofen	0.080	U	ug/L	P445818	
		Imidacloprid	0.0033	I	ug/L	P445818	
		Linuron	0.0020	U	ug/L	P445818	
		Mandestrobin	0.0020	U	ug/L	P445818	
		MCPP	0.0020	U	ug/L	P445818	
		Naproxen	0.0080	U	ug/L	P445818	
		Primidone	0.0040	U	ug/L	P445818	
		Pyraclostrobin	0.0020	U	ug/L	P445818	
		Silvex	0.0040	U	ug/L	P445818	
		Thiamethoxam	0.0020	U	ug/L	P445818	

Field ID: G5SE0135 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489774	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445818	
		Triclopyr	0.0040	U	ug/L	P445818	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for fluridone could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: TURKEY CREEK CLEARMONT ST **Collection Date/Time: 05/29/2024 12:00**

Field ID: G5SE0131 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489726	DEP SOP: NU-094-1	Color (true)	57		PCU	P445840	
	EPA 180.1 Rev. 2.0	Turbidity	9.8		NTU	P445834	
	EPA 300.0 Rev. 2.1	Chloride	4.6E+03		mg Cl/L	P446249	
		Sulfate	620		mg SO4/L	P446253	
	SM 2320 B-2011	Total Alkalinity	162		mg CaCO3/L	P446261	
	SM 2540 C-2015	TDS	8.47E+03		mg/L	P446298	
	SM 2540 D-2015	TSS	8	I	mg/L	P446228	
	SM 4500-F- C-2011	Fluoride	0.47		mg F/L	P446264	RPD
2489727	EPA 350.1 Rev. 2.0	Ammonia-N	0.25		mg N/L	P445939	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P445850	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.024		mg N/L	P446011	
	EPA 365.1 Rev. 2.0	Total-P	0.55		mg P/L	P445894	
	SM 5310 B-2014	Organic Carbon	12		mg C/L	P446055	
2489773	EPA 8321B	2,4-D	0.0045	I	ug/L	P445818	
		Acesulfame K	0.10	U	ug/L	P445754	
		2,4,5-T	0.0040	U	ug/L	P445818	
		AMPA	0.10	U	ug/L	P445754	
		Acetaminophen	0.0080	U	ug/L	P445818	
		Endothall	0.25	U	ug/L	P445754	
		Acetamiprid	0.0020	U	ug/L	P445818	MS, RPD
		Glufosinate	0.10	U	ug/L	P445754	
		Glyphosate	0.10	U	ug/L	P445754	
		Afidopyropen	0.0020	U	ug/L	P445818	MS, RPD
		Bentazon	0.046		ug/L	P445818	
		Sucralose	0.71		ug/L	P445754	
		Benzovindiflupyr	0.0020	U	ug/L	P445818	
		Carbamazepine	0.0022	I	ug/L	P445818	
		Clothianidin	0.0020	U	ug/L	P445818	
		Dinotefuran	0.0020	U	ug/L	P445818	
		Diuron	0.0033	I	ug/L	P445818	MS
		Fenuron	0.032	U	ug/L	P445818	MS
		Fluridone	0.035		ug/L	P445818	
		Imazapyr	0.10		ug/L	P445818	
		Hydrocodone	0.0020	U	ug/L	P445818	
		Ibuprofen	0.080	U	ug/L	P445818	
		Imidacloprid	0.0030	I	ug/L	P445818	
		Linuron	0.0020	U	ug/L	P445818	
		Mandestrobin	0.0020	U	ug/L	P445818	
		MCPP	0.0020	U	ug/L	P445818	
		Naproxen	0.0080	U	ug/L	P445818	
		Primidone	0.0047	I	ug/L	P445818	
		Pyraclostrobin	0.0020	U	ug/L	P445818	
		Silvex	0.0040	U	ug/L	P445818	
		Thiamethoxam	0.0020	U	ug/L	P445818	

Field ID: G5SE0131 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489773	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445818	
		Triclopyr	0.0040	U	ug/L	P445818	

Ref. Method and Comment:
SM 2540 C-2015: The reported result is consistent with the conductivity measured in the laboratory, 15010 umhos/cm.
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for fluridone could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: TURKEY CREEK PORT MALABAR BRIDGE **Collection Date/Time: 05/29/2024 12:20**

Field ID: G5SE0132 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489730	DEP SOP: NU-094-1	Color (true)	29		PCU	P445840	
	EPA 180.1 Rev. 2.0	Turbidity	2.7		NTU	P445834	
	EPA 300.0 Rev. 2.1	Chloride	4.6E+03		mg Cl/L	P446249	
		Sulfate	640		mg SO4/L	P446253	
	SM 2320 B-2011	Total Alkalinity	178	A	mg CaCO3/L	P446261	
	SM 2540 C-2015	TDS	7.56E+03		mg/L	P446296	
	SM 2540 D-2015	TSS	3	I	mg/L	P446162	
	SM 4500-F- C-2011	Fluoride	0.48	J	mg F/L	P446264	RPD
2489731	EPA 350.1 Rev. 2.0	Ammonia-N	0.088		mg N/L	P445939	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.73		mg N/L	P445850	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.026		mg N/L	P446011	
	EPA 365.1 Rev. 2.0	Total-P	0.072		mg P/L	P445894	
	SM 5310 B-2014	Organic Carbon	9.6		mg C/L	P446052	
2489775	EPA 8321B	2,4-D	0.0020	U	ug/L	P445818	
		Acesulfame K	0.10	U	ug/L	P445754	
		2,4,5-T	0.0040	U	ug/L	P445818	
		AMPA	1.0	U	ug/L	P445754	
		Acetaminophen	0.0080	U	ug/L	P445818	
		Endothall	0.25	U	ug/L	P445754	
		Acetamiprid	0.0020	U	ug/L	P445818	MS, RPD
		Glufosinate	1.0	U	ug/L	P445754	
		Glyphosate	1.0	U	ug/L	P445754	
		Afidopyropen	0.0020	U	ug/L	P445818	MS, RPD
		Bentazon	0.018		ug/L	P445818	
		Sucralose	0.71		ug/L	P445754	
		Benzovindiflupyr	0.0020	U	ug/L	P445818	
		Carbamazepine	0.0054		ug/L	P445818	
		Clothianidin	0.0020	U	ug/L	P445818	
		Dinotefuran	0.0020	U	ug/L	P445818	
		Diuron	0.0020	U	ug/L	P445818	MS
		Fenuron	0.032	U	ug/L	P445818	MS
		Fluridone	0.10		ug/L	P445818	
		Imazapyr	0.12		ug/L	P445818	
		Hydrocodone	0.0020	U	ug/L	P445818	
		Ibuprofen	0.080	U	ug/L	P445818	
		Imidacloprid	0.0020	U	ug/L	P445818	
		Linuron	0.0020	U	ug/L	P445818	
		Mandestrobin	0.0020	U	ug/L	P445818	
		MCPP	0.0020	U	ug/L	P445818	
		Naproxen	0.0080	U	ug/L	P445818	
		Primidone	0.0045	I	ug/L	P445818	
		Pyraclostrobin	0.0020	U	ug/L	P445818	
		Silvex	0.0040	U	ug/L	P445818	
		Thiamethoxam	0.0020	U	ug/L	P445818	

Field ID: G5SE0132 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489775	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445818	
		Triclopyr	0.0040	U	ug/L	P445818	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8321B: MS accuracy for fluridone could not be assessed due to high concentration of parameter in the spiked sample.
EPA 8321B: Some MDLs are elevated due to required dilution of sample matrix.

Sample Location: TURKEY CREEK RESIDENTIAL CANAL **Collection Date/Time: 05/29/2024 12:50**

Field ID: G5SE0133 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489722	DEP SOP: NU-094-1	Color (true)	36		PCU	P445840	
	EPA 180.1 Rev. 2.0	Turbidity	2.8		NTU	P445834	
	EPA 300.0 Rev. 2.1	Chloride	6.2E+03		mg Cl/L	P446249	
		Sulfate	840		mg SO4/L	P446253	
	SM 2320 B-2011	Total Alkalinity	164		mg CaCO3/L	P446261	
	SM 2540 C-2015	TDS	1.11E+04		mg/L	P446298	
	SM 2540 D-2015	TSS	3	I	mg/L	P446228	
	SM 4500-F- C-2011	Fluoride	0.54		mg F/L	P446264	RPD
2489723	EPA 350.1 Rev. 2.0	Ammonia-N	0.007		mg N/L	P445939	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.64		mg N/L	P445850	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.013		mg N/L	P446011	
	EPA 365.1 Rev. 2.0	Total-P	0.11		mg P/L	P445894	
	SM 5310 B-2014	Organic Carbon	10		mg C/L	P446055	
2489771	EPA 8321B	2,4-D	0.0024	I	ug/L	P445818	
		Acesulfame K	0.10	U	ug/L	P445754	
		2,4,5-T	0.0040	U	ug/L	P445818	
		AMPA	1.0	U	ug/L	P445754	
		Acetaminophen	0.0080	U	ug/L	P445818	
		Endothall	0.25	U	ug/L	P445754	
		Acetamiprid	0.0020	U	ug/L	P445818	MS, RPD
		Glufosinate	1.0	U	ug/L	P445754	
		Glyphosate	1.0	U	ug/L	P445754	
		Afidopyropen	0.0020	U	ug/L	P445818	MS, RPD
		Bentazon	0.015		ug/L	P445818	
		Sucralose	0.43		ug/L	P445754	
		Benzovindiflupyr	0.0020	U	ug/L	P445818	
		Carbamazepine	0.0039		ug/L	P445818	
		Clothianidin	0.0020	U	ug/L	P445818	
		Dinotefuran	0.0020	U	ug/L	P445818	
		Diuron	0.0020	U	ug/L	P445818	MS
		Fenuron	0.032	U	ug/L	P445818	MS
		Fluridone	0.081		ug/L	P445818	
		Imazapyr	0.11		ug/L	P445818	
		Hydrocodone	0.0020	U	ug/L	P445818	
		Ibuprofen	0.080	U	ug/L	P445818	
		Imidacloprid	0.0020	U	ug/L	P445818	
		Linuron	0.0020	U	ug/L	P445818	
		Mandestrobin	0.0020	U	ug/L	P445818	
		MCPP	0.0020	U	ug/L	P445818	
		Naproxen	0.0080	U	ug/L	P445818	
		Primidone	0.0042	I	ug/L	P445818	
		Pyraclostrobin	0.0020	U	ug/L	P445818	
		Silvex	0.0040	U	ug/L	P445818	
		Thiamethoxam	0.0020	U	ug/L	P445818	

Field ID: G5SE0133 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489771	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445818	
		Triclopyr	0.0040	U	ug/L	P445818	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for fluridone could not be assessed due to high concentration of parameter in the spiked sample.
EPA 8321B: Some MDLs are elevated due to required dilution of sample matrix.

Sample Location: Turkey Creek near Corey Road **Collection Date/Time: 05/29/2024 13:30**

Field ID: G5SE0154 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489724	DEP SOP: NU-094-1	Color (true)	50	A	PCU	P445840	
	EPA 180.1 Rev. 2.0	Turbidity	1.3		NTU	P445834	
	EPA 300.0 Rev. 2.1	Chloride	550		mg Cl/L	P446249	
		Sulfate	73		mg SO4/L	P446253	
	SM 2320 B-2011	Total Alkalinity	170		mg CaCO3/L	P446041	
	SM 2540 C-2015	TDS	1.19E+03		mg/L	P446296	
	SM 2540 D-2015	TSS	4	I	mg/L	P446162	
	SM 4500-F- C-2011	Fluoride	0.31		mg F/L	P446043	
2489725	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P446003	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.58		mg N/L	P445902	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.008	I	mg N/L	P446093	
	EPA 365.1 Rev. 2.0	Total-P	0.016		mg P/L	P445892	
	SM 5310 B-2014	Organic Carbon	13		mg C/L	P446052	
2489772	EPA 8321B	2,4-D	0.0020	U	ug/L	P445818	
		Acesulfame K	0.12	I	ug/L	P445754	
		2,4,5-T	0.0040	U	ug/L	P445818	
		AMPA	1.4		ug/L	P445754	
		Acetaminophen	0.0080	U	ug/L	P445818	
		Endothall	0.25	U	ug/L	P445754	
		Acetamiprid	0.0020	U	ug/L	P445818	MS, RPD
		Glufosinate	0.10	U	ug/L	P445754	
		Glyphosate	2.8		ug/L	P445754	
		Afidopyropen	0.0020	U	ug/L	P445818	MS, RPD
		Bentazon	0.0038		ug/L	P445818	
		Sucralose	0.66		ug/L	P445754	
		Benzovindiflupyr	0.0020	U	ug/L	P445818	
		Carbamazepine	8.0E-04	U	ug/L	P445818	
		Clothianidin	0.0020	U	ug/L	P445818	
		Dinotefuran	0.0020	U	ug/L	P445818	
		Diuron	0.0020	U	ug/L	P445818	MS
		Fenuron	0.032	U	ug/L	P445818	MS
		Fluridone	4.0E-04	U	ug/L	P445818	
		Imazapyr	0.012	I	ug/L	P445818	
		Hydrocodone	0.0020	U	ug/L	P445818	
		Ibuprofen	0.080	U	ug/L	P445818	
		Imidacloprid	0.0020	U	ug/L	P445818	
		Linuron	0.0020	U	ug/L	P445818	
		Mandestrobin	0.0020	U	ug/L	P445818	
		MCPP	0.0020	U	ug/L	P445818	
		Naproxen	0.0080	U	ug/L	P445818	
		Primidone	0.0040	U	ug/L	P445818	
		Pyraclostrobin	0.0020	U	ug/L	P445818	
		Silvex	0.0040	U	ug/L	P445818	
		Thiamethoxam	0.0020	U	ug/L	P445818	

Field ID: G5SE0154 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489772	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445818	
		Triclopyr	0.0040	U	ug/L	P445818	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for fluridone could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: LITTLE TURKEY CREEK NEAR FALLON BLVD **Collection Date/Time: 05/29/2024 14:00**

Field ID: G5SE0150 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489732	DEP SOP: NU-094-1	Color (true)	71		PCU	P445840	
	EPA 180.1 Rev. 2.0	Turbidity	6.2		NTU	P445834	
	EPA 300.0 Rev. 2.1	Chloride	130		mg Cl/L	P446249	
		Sulfate	25		mg SO4/L	P446253	
	SM 2320 B-2011	Total Alkalinity	180		mg CaCO3/L	P446041	
	SM 2540 C-2015	TDS	529		mg/L	P446296	
	SM 2540 D-2015	TSS	6	I	mg/L	P446162	
	SM 4500-F- C-2011	Fluoride	0.17		mg F/L	P446043	
2489733	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P446003	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.72		mg N/L	P445902	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P446093	
	EPA 365.1 Rev. 2.0	Total-P	0.081		mg P/L	P445892	
	SM 5310 B-2014	Organic Carbon	16		mg C/L	P446052	
2489776	EPA 8321B	2,4-D	0.0020	U	ug/L	P445818	
		Acesulfame K	0.59		ug/L	P445754	
		2,4,5-T	0.0040	U	ug/L	P445818	
		AMPA	6.2		ug/L	P445754	
		Acetaminophen	0.0080	U	ug/L	P445818	
		Endothall	0.25	U	ug/L	P445754	
		Acetamiprid	0.0020	U	ug/L	P445818	MS, RPD
		Glufosinate	0.10	U	ug/L	P445754	
		Glyphosate	6.1		ug/L	P445754	
		Afidopyropen	0.0020	U	ug/L	P445818	MS, RPD
		Bentazon	0.023		ug/L	P445818	
		Sucralose	2.6		ug/L	P445754	
		Benzovindiflupyr	0.0020	U	ug/L	P445818	
		Carbamazepine	0.0088		ug/L	P445818	
		Clothianidin	0.0020	U	ug/L	P445818	
		Dinotefuran	0.0020	U	ug/L	P445818	
		Diuron	0.0020	U	ug/L	P445818	MS
		Fenuron	0.032	U	ug/L	P445818	MS
		Fluridone	0.0028		ug/L	P445818	
		Imazapyr	0.035		ug/L	P445818	
		Hydrocodone	0.0020	U	ug/L	P445818	
		Ibuprofen	0.18	I	ug/L	P445818	
		Imidacloprid	0.0020	U	ug/L	P445818	
		Linuron	0.0020	U	ug/L	P445818	
		Mandestrobin	0.0020	U	ug/L	P445818	
		MCPP	0.0020	U	ug/L	P445818	
		Naproxen	0.0080	U	ug/L	P445818	
		Primidone	0.0045	I	ug/L	P445818	
		Pyraclostrobin	0.0020	U	ug/L	P445818	
		Silvex	0.0040	U	ug/L	P445818	
		Thiamethoxam	0.0020	U	ug/L	P445818	

Field ID: G5SE0150 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2489776	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445818	
		Triclopyr	0.0040	U	ug/L	P445818	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for fluridone could not be assessed due to high concentration of parameter in the spiked sample.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P445840

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P445834

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446249

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446253

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445939

Component	Result	Code	Units
Ammonia-N	0.002	U	mg N/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446003

Component	Result	Code	Units
Ammonia-N	0.002	U	mg N/L

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445850

Component	Result	Code	Units
Kjeldahl Nitrogen	0.080	U	mg N/L

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445902

Component	Result	Code	Units
Kjeldahl Nitrogen	0.080	U	mg N/L

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446011

Component	Result	Code	Units
NO2NO3-N	0.004	U	mg N/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

Component	Result	Code	Units
NO2NO3-N	0.004	U	mg N/L

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446093

Component	Result	Code	Units
NO2NO3-N	0.004	U	mg N/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445892

Component	Result	Code	Units
Total-P	0.002	U	mg P/L

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445894

Component	Result	Code	Units
Total-P	0.002	U	mg P/L

Reference Method: EPA 8321B
Batch ID: P445754

Component	Result	Code	Units
Acesulfame K	0.10	U	ug/L
AMPA	0.10	U	ug/L
Endothall	0.25	U	ug/L
Glufosinate	0.10	U	ug/L
Glyphosate	0.10	U	ug/L
Sucralose	0.010	U	ug/L

Reference Method: EPA 8321B
Batch ID: P445818

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	4.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.080	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P445818

Component	Result	Code	Units
Linuron	0.0020	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: SM 2320 B-2011
Batch ID: P446041

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Reference Method: SM 2320 B-2011
Batch ID: P446261

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/L

Reference Method: SM 2540 C-2015
Batch ID: P446296

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2015
Batch ID: P446298

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P446162

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P446228

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 4500-F- C-2011
Batch ID: P446264

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P446052

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Reference Method: SM 5310 B-2014
Batch ID: P446055

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P445840

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	101		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P445834

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446249

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	105		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446253

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	107		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445939

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.0		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446003

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	94.0		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445850

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	104		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445902

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	98.4		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446011

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	101		P	90 - 110

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	100		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446093

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	102		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445892

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	101		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445894

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	102		P	90 - 110

Reference Method: EPA 8321B
Batch ID: P445754

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	95.8		P	40 - 150
AMPA	108		P	40 - 160
Endothall	56.4		P	40 - 160
Glufosinate	106		P	40 - 160
Glyphosate	111		P	40 - 160
Sucralose	95.9		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P445818

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	116		P	40 - 150
2,4,5-T	123		P	40 - 150
Acetaminophen	94.4		P	30 - 150
Acetamiprid	98.5		P	40 - 150
Afidopyropen	63.3		P	30 - 150
Bentazon	98.0		P	30 - 150
Benzovindiflupyr	90.0		P	40 - 150
Carbamazepine	89.6		P	40 - 150
Clothianidin	93.2		P	40 - 150
Dinotefuran	104		P	40 - 150
Diuron	84.2		P	40 - 150
Fenuron	95.1		P	40 - 150
Fluridone	89.6		P	40 - 150
Hydrocodone	96.7		P	40 - 150
Ibuprofen	87.2		P	40 - 150
Imazapyr	103		P	40 - 150
Imidacloprid	104		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P445818

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Linuron	96.7		P	40 - 150
Mandestrobin	84.5		P	40 - 150
MCPP	116		P	40 - 150
Naproxen	104		P	40 - 150
Primidone	93.6		P	40 - 150
Pyraclostrobin	68.9		P	40 - 150
Silvex	90.5		P	40 - 150
Thiamethoxam	93.7		P	40 - 150
Tolfenpyrad	53.4		P	30 - 150
Triclopyr	127		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P446041

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	93 - 103

Reference Method: SM 2320 B-2011
Batch ID: P446261

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	93 - 103

Reference Method: SM 2540 C-2015
Batch ID: P446296

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	101		P	85 - 115

Reference Method: SM 2540 C-2015
Batch ID: P446298

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	104		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P446162

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.0		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P446228

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	102		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.6		P	95 - 106

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P446264

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.7		P	95 - 106

Reference Method: SM 5310 B-2014
Batch ID: P446052

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.9		P	85 - 115

Reference Method: SM 5310 B-2014
Batch ID: P446055

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	95.6		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446249

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489705	Chloride	107		P	90 - 110
2489964	Chloride	104		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446253

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489705	Sulfate	106		P	90 - 110
2489964	Sulfate	106		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445939

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489723	Ammonia-N	95.0	95.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446003

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489725	Ammonia-N	94.2	95.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445850

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489723	Kjeldahl Nitrogen	105	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445902

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489725	Kjeldahl Nitrogen	105	103	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446011

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2487963	NO2NO3-N	95.5	96.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489881	NO2NO3-N	98.0	99.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446093

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489894	NO2NO3-N	100	101	P/P	90 - 110

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445892

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489733	Total-P	108	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445894

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489731	Total-P	104	104	P/P	90 - 110

Reference Method: EPA 8321B
Batch ID: P445754

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489709	Acesulfame K	110	112	P/P	40 - 150
2489709	AMPA	106	112	P/P	40 - 160
2489709	Endothall	84.5	94.7	P/P	40 - 160
2489709	Glufosinate	109	103	P/P	40 - 160
2489709	Glyphosate	129	123	P/P	40 - 160
2489709	Sucralose	92.2	93.9	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P445818

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489225	2,4-D	107	105	P/P	40 - 150
2489225	2,4,5-T	101	102	P/P	40 - 150
2489225	Acetaminophen	64.5	68.1	P/P	30 - 150
2489225	Acetamiprid	12.9	44.5	F/P	40 - 150
2489225	Afidopyropen	13.1	60.9	F/P	30 - 150
2489225	Bentazon	31.0	39.6	P/P	30 - 150
2489225	Benzovindiflupyr	68.5	73.7	P/P	40 - 150
2489225	Carbamazepine	45.6	48.6	P/P	40 - 150
2489225	Clothianidin	56.6	59.4	P/P	40 - 150
2489225	Dinotefuran	40.3	50.9	P/P	40 - 150
2489225	Diuron	38.7	45.3	F/P	40 - 150
2489225	Fenuron	39.1	42.8	F/P	40 - 150
2489225	Hydrocodone	50.2	58.2	P/P	40 - 150
2489225	Ibuprofen	61.1	51.9	P/P	40 - 150
2489225	Imazapyr	88.6	100	P/P	40 - 150
2489225	Imidacloprid	94.5	105	P/P	40 - 150
2489225	Linuron	65.5	70.2	P/P	40 - 150
2489225	Mandestrobin	68.6	69.3	P/P	40 - 150
2489225	MCPP	92.1	88.5	P/P	40 - 150
2489225	Naproxen	64.5	71.5	P/P	40 - 150
2489225	Primidone	57.9	73.7	P/P	40 - 150
2489225	Pyraclostrobin	67.4	66.4	P/P	40 - 150
2489225	Silvex	69.5	72.6	P/P	40 - 150
2489225	Thiamethoxam	57.8	62.2	P/P	40 - 150
2489225	Tolfenpyrad	53.3	58.4	P/P	30 - 150
2489225	Triclopyr	109	112	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489889	Fluoride	97.5	99.1	P/P	95 - 107

Reference Method: SM 4500-F- C-2011
Batch ID: P446264

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489730	Fluoride	99.3	103	P/P	95 - 107

Reference Method: SM 5310 B-2014
Batch ID: P446052

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489729	Organic Carbon	100	101	P/P	85 - 115

Reference Method: SM 5310 B-2014
Batch ID: P446055

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2489723	Organic Carbon	87.5	87.4	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P445840

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489724	Color (true)	1.04	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P445834

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489673	Turbidity	16.6	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446249

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489705	Chloride	1.55	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446253

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489705	Sulfate	2.08	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P445939

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489723	Ammonia-N	0.737	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446003

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489725	Ammonia-N	1.12	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445850

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489723	Kjeldahl Nitrogen	3.46	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P445902

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489725	Kjeldahl Nitrogen	1.58	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446011

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2487963	NO2NO3-N	1.04	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446091

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489881	NO2NO3-N	1.52	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446093

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489894	NO2NO3-N	0.971	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445892

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489733	Total-P	4.77	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P445894

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489731	Total-P	0.670	Spike	P	0 - 20

Reference Method: EPA 8321B
Batch ID: P445754

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489709	Acesulfame K	1.86	Spike	P	0 - 30
2489709	AMPA	6.25	Spike	P	0 - 30
2489709	Endothall	11.4	Spike	P	0 - 30
2489709	Glufosinate	5.68	Spike	P	0 - 30
2489709	Glyphosate	4.72	Spike	P	0 - 30
2489709	Sucralose	1.79	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P445818

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489225	2,4-D	0.839	Spike	P	0 - 30
2489225	2,4,5-T	1.89	Spike	P	0 - 30
2489225	Acetaminophen	5.54	Spike	P	0 - 30
2489225	Acetamiprid	110	Spike	F	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P445818

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489225	Afidopyropen	129	Spike	F	0 - 30
2489225	Bentazon	15.2	Spike	P	0 - 30
2489225	Benzovindiflupyr	7.34	Spike	P	0 - 30
2489225	Carbamazepine	6.41	Spike	P	0 - 30
2489225	Clothianidin	4.82	Spike	P	0 - 30
2489225	Dinotefuran	23.4	Spike	P	0 - 30
2489225	Diuron	15.8	Spike	P	0 - 30
2489225	Fenuron	9.19	Spike	P	0 - 30
2489225	Fluridone	8.50	Spike	P	0 - 30
2489225	Hydrocodone	14.8	Spike	P	0 - 30
2489225	Ibuprofen	16.2	Spike	P	0 - 30
2489225	Imazapyr	12.4	Spike	P	0 - 30
2489225	Imidacloprid	10.6	Spike	P	0 - 30
2489225	Linuron	6.84	Spike	P	0 - 30
2489225	Mandestrobin	1.08	Spike	P	0 - 30
2489225	MCPP	3.99	Spike	P	0 - 30
2489225	Naproxen	10.2	Spike	P	0 - 30
2489225	Primidone	24.0	Spike	P	0 - 30
2489225	Pyraclostrobin	1.54	Spike	P	0 - 30
2489225	Silvex	4.42	Spike	P	0 - 30
2489225	Thiamethoxam	7.29	Spike	P	0 - 30
2489225	Tolfenpyrad	9.13	Spike	P	0 - 30
2489225	Triclopyr	2.60	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P446041

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489889	Total Alkalinity	0.620	Sample	P	0 - 4.1

Reference Method: SM 2320 B-2011
Batch ID: P446261

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489730	Total Alkalinity	0.855	Sample	P	0 - 4.1

Reference Method: SM 2540 C-2015
Batch ID: P446296

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489340	TDS	9.11	Sample	P	0 - 10

Reference Method: SM 2540 C-2015
Batch ID: P446298

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490439	TDS	7.71	Sample	P	0 - 10

Quality Assurance Report
Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P446043

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489889	Fluoride	1.46	Spike	P	0 - 1.7

Reference Method: SM 4500-F- C-2011
Batch ID: P446264

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489730	Fluoride	2.32	Spike	F	0 - 1.7

Reference Method: SM 5310 B-2014
Batch ID: P446052

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489729	Organic Carbon	0.645	Spike	P	0 - 15

Reference Method: SM 5310 B-2014
Batch ID: P446055

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2489723	Organic Carbon	0.0444	Spike	P	0 - 15

* Sample, spike and/or laboratory control sample precision (LCS) is reported.

Quality Assurance Report
Surrogates

Lab Sample ID: 2489771
Field Sample ID: G5SE0133

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	124	P	30 - 160
EPA 8321B	Acetaminophen-d4	106	P	30 - 160
EPA 8321B	Carbamazepine-d10	69.8	P	30 - 160
EPA 8321B	Diuron-d6	59.8	P	30 - 160
EPA 8321B	Endothall-d6	60.8	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	110	P	30 - 160
EPA 8321B	Ibuprofen-d3	83.3	P	30 - 160
EPA 8321B	Primidone-d5	77.7	P	30 - 160
EPA 8321B	Sucralose-d6	40.0	P	30 - 160

Lab Sample ID: 2489772
Field Sample ID: G5SE0154

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	107	P	30 - 160
EPA 8321B	Acetaminophen-d4	101	P	30 - 160
EPA 8321B	Carbamazepine-d10	62.6	P	30 - 160
EPA 8321B	Diuron-d6	55.1	P	30 - 160
EPA 8321B	Endothall-d6	75.9	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	118	P	30 - 160
EPA 8321B	Ibuprofen-d3	64.1	P	30 - 160
EPA 8321B	Primidone-d5	71.8	P	30 - 160
EPA 8321B	Sucralose-d6	77.1	P	30 - 160

Lab Sample ID: 2489773
Field Sample ID: G5SE0131

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	113	P	30 - 160
EPA 8321B	Acetaminophen-d4	105	P	30 - 160
EPA 8321B	Carbamazepine-d10	67.8	P	30 - 160
EPA 8321B	Diuron-d6	48.5	P	30 - 160
EPA 8321B	Endothall-d6	65.6	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	34.3	P	30 - 160
EPA 8321B	Ibuprofen-d3	62.6	P	30 - 160
EPA 8321B	Primidone-d5	82.2	P	30 - 160
EPA 8321B	Sucralose-d6	60.5	P	30 - 160

Lab Sample ID: 2489774
Field Sample ID: G5SE0135

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	97.9	P	30 - 160
EPA 8321B	Acetaminophen-d4	103	P	30 - 160
EPA 8321B	Carbamazepine-d10	50.2	P	30 - 160
EPA 8321B	Diuron-d6	39.2	P	30 - 160
EPA 8321B	Endothall-d6	79.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	124	P	30 - 160
EPA 8321B	Ibuprofen-d3	59.3	P	30 - 160
EPA 8321B	Primidone-d5	70.6	P	30 - 160
EPA 8321B	Sucralose-d6	79.7	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2489775
Field Sample ID: G5SE0132

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	123	P	30 - 160
EPA 8321B	Acetaminophen-d4	103	P	30 - 160
EPA 8321B	Carbamazepine-d10	77.5	P	30 - 160
EPA 8321B	Diuron-d6	58.9	P	30 - 160
EPA 8321B	Endothall-d6	66.0	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	121	P	30 - 160
EPA 8321B	Ibuprofen-d3	74.6	P	30 - 160
EPA 8321B	Primidone-d5	81.0	P	30 - 160
EPA 8321B	Sucralose-d6	51.7	P	30 - 160

Lab Sample ID: 2489776
Field Sample ID: G5SE0150

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	105	P	30 - 160
EPA 8321B	Acetaminophen-d4	105	P	30 - 160
EPA 8321B	Carbamazepine-d10	56.7	P	30 - 160
EPA 8321B	Diuron-d6	52.3	P	30 - 160
EPA 8321B	Endothall-d6	86.5	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	124	P	30 - 160
EPA 8321B	Ibuprofen-d3	59.9	P	30 - 160
EPA 8321B	Primidone-d5	74.1	P	30 - 160
EPA 8321B	Sucralose-d6	98.4	P	30 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A125905
Included Lab Sample IDs: 2489771, 2489772, 2489773, 2489774, 2489775, 2489776

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	96.6	91.4	P/P	60 - 160
Acesulfame K	98.6	96.6	P/P	60 - 160
Sucralose	90.8	98.7	P/P	60 - 160
Sucralose	99.7	90.8	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A125914
Included Lab Sample IDs: 2489771, 2489772, 2489773, 2489774, 2489775, 2489776

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	106	115	P/P	60 - 160
AMPA	112	119	P/P	60 - 160
AMPA	115	112	P/P	60 - 160
Endothall	60.6	72.3	P/P	60 - 160
Endothall	72.3	61.4	P/P	60 - 160
Glufosinate	112	124	P/P	60 - 160
Glufosinate	117	118	P/P	60 - 160
Glufosinate	124	117	P/P	60 - 160
Glyphosate	114	127	P/P	60 - 160
Glyphosate	127	129	P/P	60 - 160
Glyphosate	129	129	P/P	60 - 160

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A125920
Included Lab Sample IDs: 2489722, 2489724, 2489726, 2489728, 2489730, 2489732

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	97.5	97.5	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1
Run ID: A125922
Included Lab Sample IDs: 2489722, 2489724, 2489726, 2489728, 2489730, 2489732

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	103	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125943
Included Lab Sample IDs: 2489723, 2489727, 2489731

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	98.9	100	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A125946
Included Lab Sample IDs: 2489771, 2489772, 2489773, 2489774, 2489775, 2489776

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	109	94.6	P/P	50 - 150
2,4,5-T	88.2	98.9	P/P	50 - 150
Acetaminophen	90.8	98.3	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A125946
Included Lab Sample IDs: 2489771, 2489772, 2489773, 2489774, 2489775, 2489776

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetamiprid	89.5	114	P/P	50 - 150
Afidopyropen	96.8	97.9	P/P	50 - 150
Bentazon	117	103	P/P	50 - 160
Bentazon	99.6	95.0	P/P	50 - 160
Benzovindiflupyr	99.2	104	P/P	50 - 150
Carbamazepine	99.8	102	P/P	60 - 150
Clothianidin	95.8	101	P/P	60 - 150
Dinotefuran	85.3	108	P/P	50 - 150
Diuron	90.0	102	P/P	60 - 160
Fenuron	102	108	P/P	60 - 150
Fluridone	90.9	97.9	P/P	60 - 160
Hydrocodone	96.4	97.6	P/P	60 - 150
Ibuprofen	90.9	107	P/P	50 - 160
Imazapyr	92.0	97.8	P/P	50 - 150
Imidacloprid	95.1	100	P/P	60 - 150
Linuron	118	107	P/P	60 - 150
Mandestrobin	104	102	P/P	50 - 150
MCPP	107	99.0	P/P	50 - 150
Naproxen	143	90.4	P/P	50 - 160
Primidone	89.9	91.0	P/P	60 - 150
Pyraclostrobin	103	105	P/P	60 - 150
Silvex	99.8	109	P/P	50 - 150
Thiamethoxam	98.0	110	P/P	50 - 150
Tolfenpyrad	108	98.2	P/P	60 - 150
Triclopyr	95.9	103	P/P	50 - 150

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125950
Included Lab Sample IDs: 2489727

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	100	101	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125951
Included Lab Sample IDs: 2489723, 2489727, 2489731

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.3	98.3	P/P	90 - 110
Ammonia-N	98.3	98.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125952
Included Lab Sample IDs: 2489733

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	102	101	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125954
Included Lab Sample IDs: 2489723, 2489725, 2489729, 2489731

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	100	99.8	P/P	90 - 110
Total-P	99.8	94.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125961
Included Lab Sample IDs: 2489725, 2489729, 2489733

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	106	104	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125971
Included Lab Sample IDs: 2489725, 2489729, 2489733

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.0	97.4	P/P	90 - 110
Ammonia-N	97.6	97.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125973
Included Lab Sample IDs: 2489723, 2489727, 2489731

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	101	102	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A125989
Included Lab Sample IDs: 2489724, 2489728, 2489732

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	101	99.3	P/P	90 - 110
Total Alkalinity	97.7	101	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A125989
Included Lab Sample IDs: 2489724, 2489728, 2489732

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.5	99.1	P/P	90 - 110
Fluoride	99.5	99.5	P/P	90 - 110

Reference Method: SM 5310 B-2014
Run ID: A125993
Included Lab Sample IDs: 2489723, 2489725, 2489727, 2489729, 2489731, 2489733

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	115	95.9	P/P	70 - 130
Organic Carbon	115	96.2	P/P	70 - 130

Quality Assurance Report
Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A126006
Included Lab Sample IDs: 2489725, 2489729, 2489733

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	101	P/P	90 - 110
NO2NO3-N	101	102	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A126011
Included Lab Sample IDs: 2489722, 2489724, 2489726, 2489728, 2489730, 2489732

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	96.5	94.0	P/P	90 - 110
Chloride	98.8	96.5	P/P	90 - 110
Sulfate	101	99.2	P/P	90 - 110
Sulfate	99.2	96.8	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A126065
Included Lab Sample IDs: 2489722, 2489726, 2489730

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	105	97.9	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A126065
Included Lab Sample IDs: 2489722, 2489726, 2489730

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.5	99.5	P/P	90 - 110

* Pass/Fail determinations are made for each bracketing calibration verification check.
Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	101				1.04	
EPA 180.1 Rev. 2.0	Turbidity	100				16.6	
EPA 300.0 Rev. 2.1	Chloride	105	107	104		1.55	
	Sulfate	107	106	106		2.08	
EPA 350.1 Rev. 2.0	Ammonia-N	95.0	95.0	95.8			0.737
	Ammonia-N	94.0	94.2	95.6			1.12
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	104	105	100			3.46
	Kjeldahl Nitrogen	98.4	105	103			1.58
EPA 353.2 Rev. 2.0	NO2NO3-N	101	95.5	96.5			1.04
	NO2NO3-N	100	98.0	99.5			1.52
	NO2NO3-N	102	100	101			0.971
EPA 365.1 Rev. 2.0	Total-P	101	108	102			4.77
	Total-P	102	104	104			0.670
EPA 8321B	2,4-D	116	107	105			0.839
	2,4,5-T	123	101	102			1.89
	Acesulfame K	95.8	110	112			1.86
	Acetaminophen	94.4	64.5	68.1			5.54
	Acetamiprid	98.5	12.9	44.5			110
	Afidopyropen	63.3	13.1	60.9			129
	AMPA	108	106	112			6.25
	Bentazon	98.0	31.0	39.6			15.2
	Benzovindiflupyr	90.0	68.5	73.7			7.34
	Carbamazepine	89.6	45.6	48.6			6.41
	Clothianidin	93.2	56.6	59.4			4.82
	Dinotefuran	104	40.3	50.9			23.4
	Diuron	84.2	38.7	45.3			15.8
	Endothall	56.4	84.5	94.7			11.4
	Fenuron	95.1	39.1	42.8			9.19
	Fluridone	89.6					8.50
	Glufosinate	106	109	103			5.68
	Glyphosate	111	129	123			4.72
	Hydrocodone	96.7	50.2	58.2			14.8
	Ibuprofen	87.2	61.1	51.9			16.2
	Imazapyr	103	88.6	100			12.4
	Imidacloprid	104	94.5	105			10.6
	Linuron	96.7	65.5	70.2			6.84
	Mandestrobin	84.5	68.6	69.3			1.08
	MCPP	116	92.1	88.5			3.99
	Naproxen	104	64.5	71.5			10.2
	Primidone	93.6	57.9	73.7			24.0
	Pyraclostrobin	68.9	67.4	66.4			1.54
	Silvex	90.5	69.5	72.6			4.42
	Sucralose	95.9	92.2	93.9			1.79
	Thiamethoxam	93.7	57.8	62.2			7.29
	Tolfenpyrad	53.4	53.3	58.4			9.13
	Triclopyr	127	109	112			2.60
SM 2320 B-2011	Total Alkalinity	100				0.620	
	Total Alkalinity	100				0.855	
SM 2540 C-2015	TDS	101				9.11	
	TDS	104				7.71	
SM 2540 D-2015	TSS	96.0					
	TSS	102					
SM 4500-F- C-2011	Fluoride	98.6	97.5	99.1			1.46
	Fluoride	97.7	99.3	103			2.32

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
SM 5310 B-2014	Organic Carbon	96.9	100	101			0.645
	Organic Carbon	95.6	87.5	87.4			0.0444

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2489723, 2489725, 2489727, 2489729, 2489731, 2489733
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2489723, 2489725, 2489727, 2489729, 2489731, 2489733
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2489723, 2489725, 2489727, 2489729, 2489731, 2489733
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2489723, 2489725, 2489727, 2489729, 2489731, 2489733
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2489771, 2489772, 2489773, 2489774, 2489775, 2489776
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2489722, 2489724, 2489726, 2489728, 2489730, 2489732
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2489723, 2489725, 2489727, 2489729, 2489731, 2489733

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	05/30/2024			05/30/2024 15:13	Jessica K Wilks	2489722
	05/30/2024			05/30/2024 15:14	Jessica K Wilks	2489724, 2489726
	05/30/2024			05/30/2024 15:15	Jessica K Wilks	2489728, 2489730
	05/30/2024			05/30/2024 15:16	Jessica K Wilks	2489732
EPA 180.1 Rev. 2.0	05/30/2024			05/30/2024 13:41	Samantha L Bates	2489722
	05/30/2024			05/30/2024 13:42	Samantha L Bates	2489724, 2489726
	05/30/2024			05/30/2024 13:44	Samantha L Bates	2489728
	05/30/2024			05/30/2024 13:45	Samantha L Bates	2489730
	05/30/2024			05/30/2024 13:46	Samantha L Bates	2489732
EPA 300.0 Rev. 2.1	05/30/2024			06/07/2024 23:09	James L Waggerby	2489722
	05/30/2024			06/07/2024 23:24	James L Waggerby	2489724
	05/30/2024			06/07/2024 23:39	James L Waggerby	2489726
	05/30/2024			06/07/2024 23:54	James L Waggerby	2489728
	05/30/2024			06/08/2024 00:09	James L Waggerby	2489730
	05/30/2024			06/08/2024 00:54	James L Waggerby	2489732
EPA 350.1 Rev. 2.0	05/30/2024			06/03/2024 13:10	Khloe J Berg	2489723
	05/30/2024			06/03/2024 13:37	Khloe J Berg	2489727
	05/30/2024			06/03/2024 13:38	Khloe J Berg	2489731
	05/30/2024			06/04/2024 12:34	Khloe J Berg	2489725
	05/30/2024			06/04/2024 14:45	Khloe J Berg	2489729
	05/30/2024			06/04/2024 14:46	Khloe J Berg	2489733
EPA 351.2 Rev. 2.0	05/30/2024	05/31/2024 13:40	Simonne.V. Calhoun	06/03/2024 09:22	Samantha L Bates	2489723
	05/30/2024	05/31/2024 13:40	Simonne.V. Calhoun	06/03/2024 09:26	Samantha L Bates	2489727
	05/30/2024	05/31/2024 13:40	Simonne.V. Calhoun	06/03/2024 09:28	Samantha L Bates	2489731
	05/30/2024	06/03/2024 10:55	Robyn Blevins	06/03/2024 15:45	Samantha L Bates	2489725
	05/30/2024	06/03/2024 10:55	Robyn Blevins	06/03/2024 15:50	Samantha L Bates	2489729
	05/30/2024	06/03/2024 10:55	Robyn Blevins	06/03/2024 15:51	Samantha L Bates	2489733
EPA 353.2 Rev. 2.0	05/30/2024			06/04/2024 12:27	Fadila Guebre	2489727
	05/30/2024			06/04/2024 12:30	Fadila Guebre	2489731
	05/30/2024			06/04/2024 12:31	Fadila Guebre	2489723
	05/30/2024			06/05/2024 13:26	Fadila Guebre	2489729
	05/30/2024			06/05/2024 14:14	Fadila Guebre	2489725
	05/30/2024			06/05/2024 14:15	Fadila Guebre	2489733
EPA 365.1 Rev. 2.0	05/30/2024	05/31/2024 13:18	Josephine W Gitau	06/03/2024 12:58	James L Waggerby	2489727
	05/30/2024	05/31/2024 13:18	Josephine W Gitau	06/03/2024 14:14	James L Waggerby	2489733
	05/30/2024	05/31/2024 13:18	Josephine W Gitau	06/03/2024 15:04	James L Waggerby	2489725
	05/30/2024	05/31/2024 13:18	Josephine W Gitau	06/03/2024 15:05	James L Waggerby	2489729
	05/30/2024	05/31/2024 13:18	Josephine W Gitau	06/03/2024 15:22	James L Waggerby	2489731
	05/30/2024	05/31/2024 13:18	Josephine W Gitau	06/03/2024 15:23	James L Waggerby	2489723
EPA 8321B	05/30/2024	05/30/2024 14:00	Hoor Shaik	05/31/2024 16:35	Juyoung Kim	2489771

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	05/30/2024	05/30/2024 14:00	Hoor Shaik	05/31/2024 16:53	Juyoung Kim	2489772
	05/30/2024	05/30/2024 14:00	Hoor Shaik	05/31/2024 17:11	Juyoung Kim	2489773
	05/30/2024	05/30/2024 14:00	Hoor Shaik	05/31/2024 17:28	Juyoung Kim	2489774
	05/30/2024	05/30/2024 14:00	Hoor Shaik	05/31/2024 17:46	Juyoung Kim	2489775
	05/30/2024	05/30/2024 14:00	Hoor Shaik	05/31/2024 18:04	Juyoung Kim	2489776
	05/30/2024	05/30/2024 14:00	Hoor Shaik	06/03/2024 10:55	Juyoung Kim	2489774
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 11:33	Tae K Lee	2489771
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 11:47	Tae K Lee	2489772
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 12:00	Tae K Lee	2489773
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 12:14	Tae K Lee	2489774
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 12:28	Tae K Lee	2489775
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 12:55	Tae K Lee	2489776
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 16:22	Tae K Lee	2489771
	05/30/2024	05/31/2024 09:30	Tae K Lee	05/31/2024 16:49	Tae K Lee	2489775
	05/30/2024	05/31/2024 09:30	Tae K Lee	06/01/2024 00:55	Tae K Lee	2489771
	05/30/2024	05/31/2024 09:30	Tae K Lee	06/01/2024 01:09	Tae K Lee	2489772
	05/30/2024	05/31/2024 09:30	Tae K Lee	06/01/2024 01:23	Tae K Lee	2489773
	05/30/2024	05/31/2024 09:30	Tae K Lee	06/01/2024 01:37	Tae K Lee	2489774
	05/30/2024	05/31/2024 09:30	Tae K Lee	06/01/2024 01:51	Tae K Lee	2489775
	05/30/2024	05/31/2024 09:30	Tae K Lee	06/01/2024 04:11	Tae K Lee	2489776
SM 2320 B-2011	05/30/2024			06/05/2024 01:28	Adam P Silver	2489724
	05/30/2024			06/05/2024 01:43	Adam P Silver	2489728
	05/30/2024			06/05/2024 02:32	Adam P Silver	2489732
	05/30/2024			06/07/2024 09:22	Dale L. Simmons	2489730
	05/30/2024			06/07/2024 09:36	Dale L. Simmons	2489722
	05/30/2024			06/07/2024 09:51	Dale L. Simmons	2489726
SM 2540 C-2015	05/30/2024			06/03/2024 15:24	Yijie Li	2489724, 2489728, 2489730, 2489732
	05/30/2024			06/04/2024 14:26	Yijie Li	2489722, 2489726
SM 2540 D-2015	05/30/2024			06/03/2024 15:24	Yijie Li	2489724, 2489728, 2489730, 2489732
	05/30/2024			06/04/2024 14:26	Yijie Li	2489722, 2489726
SM 4500-F- C-2011	05/30/2024			06/05/2024 01:28	Adam P Silver	2489724
	05/30/2024			06/05/2024 01:43	Adam P Silver	2489728
	05/30/2024			06/05/2024 02:32	Adam P Silver	2489732
	05/30/2024			06/07/2024 06:41	Dale L. Simmons	2489730
	05/30/2024			06/07/2024 06:55	Dale L. Simmons	2489722
	05/30/2024			06/07/2024 07:01	Dale L. Simmons	2489726
SM 5310 B-2014	05/30/2024			06/04/2024 14:54	Elise M. Gillis	2489729
	05/30/2024			06/04/2024 17:10	Elise M. Gillis	2489725
	05/30/2024			06/04/2024 17:25	Elise M. Gillis	2489731
	05/30/2024			06/04/2024 17:41	Elise M. Gillis	2489733

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 5310 B-2014	05/30/2024			06/05/2024 03:01	Elise M. Gillis	2489723
	05/30/2024			06/05/2024 03:52	Elise M. Gillis	2489727