

Chemical Analysis Report

SE-DIST-2023-05-18-01

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

Event Description: **SMP - St. Sebastian River Run**
Request ID: **RQ-2023-05-08-64**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Andrew Luering

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Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 09-JUN-2023 10:00



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: SOUTH PRONG SEBASTIAN AT PARK DOCK Collection Date/Time: 05/17/2023 10:10

Field ID: G5SE0079

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2410691	EPA 8270E	Aldrin	0.66	U	ng/L	P430112	
		Alpha-BHC	0.10	U	ng/L	P430112	
		Alpha-Chlordane	0.20	U	ng/L	P430112	
		PCB-1016	2.0	U	ng/L	P430112	
		Beta-BHC	0.10	U	ng/L	P430112	
		PCB-1221	2.0	U	ng/L	P430112	
		Beta-Cyfluthrin	1.3	U	ng/L	P430112	
		PCB-1232	2.0	U	ng/L	P430112	
		Bifenthrin	0.51	U	ng/L	P430112	
		PCB-1242	2.0	U	ng/L	P430112	
		PCB-1248	2.0	U	ng/L	P430112	
		Chlorothalonil	3.7	U	ng/L	P430112	
		PCB-1254	2.0	U	ng/L	P430112	
		Cis-Nonachlor	0.20	U	ng/L	P430112	
		PCB-1260	2.0	U	ng/L	P430112	
		Cypermethrin	1.5	U	ng/L	P430112	
		Dacthal	0.15	U	ng/L	P430112	
		DDD-p,p'	0.25	U	ng/L	P430112	
		DDE-p,p'	0.20	U	ng/L	P430112	
		DDT-p,p'	1.1	IV	ng/L	P430112	
		Delta-BHC	0.41	U	ng/L	P430112	
		Deltamethrin	1.3	U	ng/L	P430112	
		Dichlobenil	0.25	U	ng/L	P430112	
		Dicofol	1.3	U	ng/L	P430112	
		Dieldrin	0.41	U	ng/L	P430112	
		Endosulfan I	0.41	U	ng/L	P430112	
		Endosulfan II	0.41	U	ng/L	P430112	
		Endosulfan Sulfate	0.31	U	ng/L	P430112	
		Endrin	0.41	U	ng/L	P430112	
		Endrin Aldehyde	0.76	U	ng/L	P430112	
		Endrin Ketone	0.41	U	ng/L	P430112	MS
		Esfenvalerate	0.76	U	ng/L	P430112	
		Ethalfuralin	0.15	U	ng/L	P430112	
		Fenpropathrin	0.25	U	ng/L	P430112	
		Gamma-BHC	0.13	U	ng/L	P430112	
		Gamma-Chlordane	0.20	U	ng/L	P430112	
		Heptachlor	0.20	U	ng/L	P430112	
		Heptachlor Epoxide	0.25	U	ng/L	P430112	
		Hexachlorobenzene**	1.0	U	ng/L	P430112	
		Kepone	5.1	U	ng/L	P430112	
		Lambda-Cyhalothrin	0.76	U	ng/L	P430112	
		Methoprene	0.76	U	ng/L	P430112	
		Methoxychlor	0.31	U	ng/L	P430112	
		MGK-264	0.20	U	ng/L	P430112	

Field ID: G5SE0079

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2410691	EPA 8270E	Mirex	0.36	U	ng/L	P430112	
		Oxychlordane	0.31	U	ng/L	P430112	
		Permethrin	1.6	U	ng/L	P430112	
		Phenothrin	0.92	U	ng/L	P430112	
		Piperonyl Butoxide	0.33	I	ng/L	P430112	
		Prallethrin	2.0	U	ng/L	P430112	
		Tau-Fluvalinate	0.25	U	ng/L	P430112	
		Tetramethrin	0.76	U	ng/L	P430112	
		Trans-Nonachlor	0.20	U	ng/L	P430112	
		Triclosan Methyl	0.15	U	ng/L	P430112	
		Trifluralin	0.20	U	ng/L	P430112	
	EPA 8276	Chlordane	2.0	U	ng/L	P430112	RPD
		Toxaphene	15	U	ng/L	P430112	RPD

Ref. Method and Comment:
EPA 8270E: V - Due to the presence of ddt-p,p' in both the Method Blank and the sample.

Sample Location: MICCO DITCH AT MICCO RD.

Collection Date/Time: 05/17/2023 11:15

Field ID: G5SE0048

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2410680	DEP SOP: NU-094-1	Color (true)	54		PCU	P430069	
	EPA 180.1 Rev. 2.0	Turbidity	7.2		NTU	P430079	
	EPA 300.0 Rev. 2.1	Chloride	180		mg Cl/L	P430367	
		Sulfate	27		mg SO4/L	P430370	
	SM 2320 B-2011	Total Alkalinity	240		mg CaCO3/L	P430537	
	SM 2540 C-2015	TDS	672		mg/L	P430683	
	SM 2540 D-2015	TSS	3	I	mg/L	P430520	
	SM 4500-F- C-2011	Fluoride	0.29		mg F/L	P430544	RPD
	EPA 350.1 Rev. 2.0	Ammonia-N	0.006		mg N/L	P430410	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.68		mg N/L	P430239	
2410681	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P430478	
	EPA 365.1 Rev. 2.0	Total-P	0.082		mg P/L	P430722	
	SM 5310 B-2011	Organic Carbon	15		mg C/L	P430150	

Ref. Method and Comment:

EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P430069

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430079

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430367

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430370

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430410

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430239

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430478

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430722

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

Reference Method: EPA 8270E
Batch ID: P430112

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-BHC	0.10	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430112

Component	Result	Code	Units
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.24	I	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	1.1	I	ng/L
DDT-p,p'	4.1		ng/L
Delta-BHC	0.40	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P430112

Component	Result	Code	Units
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	5.0	U	ng/L
Kepone	5.0	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430112

Component	Result	Code	Units
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276
Batch ID: P430112

Component	Result	Code	Units
Chlordane	2.0	U	ng/L
Chlordane	2.0	U	ng/L
Toxaphene	15	U	ng/L
Toxaphene	15	U	ng/L

Reference Method: SM 2320 B-2011
Batch ID: P430537

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

Reference Method: SM 2540 C-2015
Batch ID: P430683

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P430520

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P430544

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P430150

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: P430069

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	97.7		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430079

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	98.7		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430367

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430370

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	99.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430410

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	98.0		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430239

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430478

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	108		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430722

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	99.6		P	90 - 110

Reference Method: EPA 8270E
Batch ID: P430112

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	50.2		P	10 - 92.0
Alpha-BHC	94.8		P	75 - 107
Alpha-Chlordane	78.9		P	50 - 108
Beta-BHC	86.6		P	36 - 138

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P430112

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Beta-Cyfluthrin	97.2		P	20 - 161
Bifenthrin	53.4		P	10 - 119
Chlorothalonil	102		P	26 - 186
Cis-Nonachlor	75.9		P	42 - 119
Cypermethrin	106		P	22 - 150
Dacthal	102		P	72 - 119
DDD-p,p'	82.9		P	45 - 107
DDE-p,p'	78.3		P	48 - 106
DDT-p,p'	88.8		P	48 - 110
Delta-BHC	115		P	54 - 140
Deltamethrin	125		P	22 - 189
Dichlobenil	96.8		P	36 - 117
Dicofol	74.8		P	46 - 155
Dieldrin	79.5		P	54 - 110
Endosulfan I	82.9		P	59 - 105
Endosulfan II	83.2		P	51 - 118
Endosulfan Sulfate	89.9		P	57 - 121
Endrin	80.8		P	10 - 120
Endrin Aldehyde	101		P	34 - 118
Endrin Ketone	108		P	69 - 177
Esfenvalerate	94.8		P	23 - 168
Ethalfuralin	72.4		P	49 - 99.0
Fenpropathrin	62.9		P	34 - 117
Gamma-BHC	103		P	72 - 117
Gamma-Chlordane	78.8		P	43 - 106
Heptachlor	75.1		P	41 - 98.0
Heptachlor Epoxide	91.2		P	57 - 106
Hexachlorobenzene	66.3		P	36 - 99.0
Kepone	143		P	16 - 215
Lambda-Cyhalothrin	65.9		P	21 - 177
Methoprene	51.3		P	10 - 119
Methoxychlor	89.6		P	60 - 112
MGK-264	94.3		P	26 - 122
Mirex	61.3		P	10 - 169
Oxychlordane	92.3		P	43 - 105
PCB-1016	68.9		P	48 - 112
PCB-1260	68.5		P	44 - 118
Permethrin	72.5		P	24 - 148
Phenothrin	40.2		P	10 - 106
Piperonyl Butoxide	79.9		P	10 - 139
Prallethrin	68.2		P	17 - 109
Tau-Fluvalinate	85.9		P	13 - 131
Tetramethrin	69.0		P	10 - 132
Trans-Nonachlor	77.5		P	44 - 106
Triclosan Methyl	81.0		P	59 - 109
Trifluralin	75.5		P	44 - 101

Reference Method: EPA 8276
Batch ID: P430112

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	72.5		P	61 - 116

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8276
Batch ID: P430112

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Toxaphene	79.8		P	48 - 124

Reference Method: SM 2320 B-2011
Batch ID: P430537

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	97.8		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P430683

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	103		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P430520

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	103		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P430544

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	102		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P430150

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.5		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430367

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410488	Chloride	101		P	90 - 110
2410592	Chloride	99.0		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430370

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410488	Sulfate	98.7		P	90 - 110
2410592	Sulfate	99.1		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430410

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410616	Ammonia-N	97.4	97.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430478

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410616	NO2NO3-N	107	106	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430722

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410681	Total-P	104	105	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P430112

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410805	PCB-1016	68.2	80.0	P/P	46 - 111
2410805	PCB-1260	81.1	88.0	P/P	45 - 114
2410835	Aldrin	52.1	56.3	P/P	20 - 82.0
2410835	Alpha-BHC	89.8	89.8	P/P	71 - 109
2410835	Alpha-Chlordane	66.5	66.2	P/P	42 - 106
2410835	Beta-BHC	79.7	78.2	P/P	69 - 180
2410835	Beta-Cyfluthrin	107	91.4	P/P	18 - 175
2410835	Bifenthrin	69.8	65.9	P/P	21 - 128
2410835	Chlorothalonil	122	136	P/P	10 - 300
2410835	Cis-Nonachlor	62.5	59.5	P/P	34 - 106
2410835	Cypermethrin	100	78.5	P/P	22 - 158
2410835	Dacthal	102	97.3	P/P	54 - 116
2410835	DDD-p,p'	58.9	57.0	P/P	34 - 107
2410835	DDE-p,p'	62.4	61.4	P/P	33 - 110
2410835	DDT-p,p'	81.8	82.8	P/P	50 - 122
2410835	Delta-BHC	118	129	P/P	77 - 193
2410835	Deltamethrin	131	125	P/P	10 - 195
2410835	Dichlobenil	63.6	69.0	P/P	25 - 113
2410835	Dicofol	66.7	70.3	P/P	38 - 247
2410835	Dieldrin	68.7	69.9	P/P	45 - 118

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P430112

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410835	Endosulfan I	73.0	73.6	P/P	51 - 106
2410835	Endosulfan II	69.1	65.7	P/P	37 - 122
2410835	Endosulfan Sulfate	69.1	66.8	P/P	43 - 132
2410835	Endrin	65.7	64.8	P/P	29 - 101
2410835	Endrin Aldehyde	78.9	79.0	P/P	19 - 110
2410835	Endrin Ketone	66.0	55.6	P/F	60 - 140
2410835	Esfenvalerate	108	100	P/P	26 - 199
2410835	Ethalfuralin	68.3	69.5	P/P	45 - 99.0
2410835	Fenpropathrin	64.8	64.8	P/P	35 - 120
2410835	Gamma-BHC	105	112	P/P	63 - 128
2410835	Gamma-Chlordane	69.1	72.2	P/P	40 - 104
2410835	Heptachlor	69.8	73.3	P/P	36 - 97.0
2410835	Heptachlor Epoxide	83.6	79.1	P/P	49 - 184
2410835	Hexachlorobenzene	61.8	60.8	P/P	39 - 96.0
2410835	Kepone	134	121	P/P	10 - 217
2410835	Lambda-Cyhalothrin	80.2	80.2	P/P	21 - 193
2410835	Methoprene	68.1	67.9	P/P	20 - 106
2410835	Methoxychlor	84.2	89.4	P/P	53 - 118
2410835	MGK-264	100	99.1	P/P	40 - 118
2410835	Mirex	54.2	48.2	P/P	26 - 92.0
2410835	Oxychlordane	78.6	93.8	P/P	44 - 99.0
2410835	Permethrin	77.7	76.4	P/P	33 - 182
2410835	Phenothrin	64.5	70.2	P/P	10 - 129
2410835	Piperonyl Butoxide	75.8	78.7	P/P	10 - 211
2410835	Prallethrin	67.2	63.7	P/P	24 - 113
2410835	Tau-Fluvalinate	107	109	P/P	14 - 149
2410835	Tetramethrin	83.6	84.3	P/P	17 - 151
2410835	Trans-Nonachlor	66.4	69.9	P/P	42 - 102
2410835	Triclosan Methyl	63.7	66.8	P/P	48 - 108
2410835	Trifluralin	69.9	65.1	P/P	47 - 96.0

Reference Method: EPA 8276

Batch ID: P430112

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410805	Chlordane	53.2	72.7	P/P	53 - 126
2410805	Toxaphene	56.3	79.1	P/P	56 - 211

Reference Method: SM 4500-F- C-2011

Batch ID: P430544

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411011	Fluoride	101	98.4	P/P	94 - 106

Reference Method: SM 5310 B-2011

Batch ID: P430150

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2410490	Organic Carbon	95.5	95.2	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P430069

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410571	Color (true)	2.32	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430079

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410578	Turbidity	10.3	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430367

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410488	Chloride	1.37	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430370

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410488	Sulfate	1.71	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430410

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410616	Ammonia-N	0.355	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430239

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410818	Kjeldahl Nitrogen	11.3	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430478

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410616	NO2NO3-N	0.939	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430722

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410681	Total-P	0.883	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P430112

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410805	PCB-1016	15.8	Spike	P	0 - 32
2410805	PCB-1260	8.14	Spike	P	0 - 31
2410835	Aldrin	7.71	Spike	P	0 - 41
2410835	Alpha-BHC	0.0887	Spike	P	0 - 25
2410835	Alpha-Chlordane	0.560	Spike	P	0 - 33
2410835	Beta-BHC	1.88	Spike	P	0 - 36
2410835	Beta-Cyfluthrin	15.9	Spike	P	0 - 42
2410835	Bifenthrin	5.79	Spike	P	0 - 53
2410835	Chlorothalonil	10.7	Spike	P	0 - 71
2410835	Cis-Nonachlor	4.95	Spike	P	0 - 29
2410835	Cypermethrin	24.1	Spike	P	0 - 40
2410835	Dacthal	5.20	Spike	P	0 - 26
2410835	DDD-p,p'	3.27	Spike	P	0 - 39
2410835	DDE-p,p'	1.72	Spike	P	0 - 33
2410835	DDT-p,p'	1.06	Spike	P	0 - 40
2410835	Delta-BHC	9.07	Spike	P	0 - 37
2410835	Deltamethrin	4.71	Spike	P	0 - 100
2410835	Dichlobenil	8.15	Spike	P	0 - 40
2410835	Dicofol	5.24	Spike	P	0 - 31
2410835	Dieldrin	1.70	Spike	P	0 - 27
2410835	Endosulfan I	0.861	Spike	P	0 - 23
2410835	Endosulfan II	5.07	Spike	P	0 - 28
2410835	Endosulfan Sulfate	3.43	Spike	P	0 - 38
2410835	Endrin	1.42	Spike	P	0 - 63
2410835	Endrin Aldehyde	0.202	Spike	P	0 - 60
2410835	Endrin Ketone	17.1	Spike	P	0 - 37
2410835	Esfenvalerate	7.44	Spike	P	0 - 52
2410835	Ethalfuralin	1.81	Spike	P	0 - 23
2410835	Fenpropathrin	0.0530	Spike	P	0 - 32
2410835	Gamma-BHC	6.54	Spike	P	0 - 17
2410835	Gamma-Chlordane	4.42	Spike	P	0 - 40
2410835	Heptachlor	4.96	Spike	P	0 - 29
2410835	Heptachlor Epoxide	5.49	Spike	P	0 - 25
2410835	Hexachlorobenzene	1.48	Spike	P	0 - 36
2410835	Kepone	10.8	Spike	P	0 - 93
2410835	Lambda-Cyhalothrin	0.0565	Spike	P	0 - 55
2410835	Methoprene	0.281	Spike	P	0 - 53
2410835	Methoxychlor	5.93	Spike	P	0 - 29
2410835	MGK-264	1.10	Spike	P	0 - 35
2410835	Mirex	11.6	Spike	P	0 - 46
2410835	Oxychlordane	17.6	Spike	P	0 - 29
2410835	Permethrin	1.68	Spike	P	0 - 44
2410835	Phenothrin	8.39	Spike	P	0 - 56
2410835	Piperonyl Butoxide	3.75	Spike	P	0 - 100
2410835	Prallethrin	5.29	Spike	P	0 - 42
2410835	Tau-Fluvalinate	1.31	Spike	P	0 - 54
2410835	Tetramethrin	0.805	Spike	P	0 - 51
2410835	Trans-Nonachlor	5.07	Spike	P	0 - 37
2410835	Triclosan Methyl	4.86	Spike	P	0 - 31
2410835	Trifluralin	7.22	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P430112

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410805	Chlordane	30.9	Spike	F	0 - 25
2410805	Toxaphene	33.7	Spike	F	0 - 26

Reference Method: SM 2320 B-2011
Batch ID: P430537

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411011	Total Alkalinity	0.702	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P430683

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410643	TDS	3.55	Sample	P	0 - 10

Reference Method: SM 2540 D-2015
Batch ID: P430520

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410643	TSS	7.23	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P430544

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411011	Fluoride	1.99	Spike	F	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P430150

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2410490	Organic Carbon	0.210	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2410691
Field Sample ID: G5SE0079

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	53.6	P	29 - 130
EPA 8270E	Decachlorobiphenyl	43.2	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	59.6	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	64.5	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	58.2	P	30 - 101
EPA 8276	PCNB	77.7	P	48 - 121

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A119258
Included Lab Sample IDs: 2410680

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.7	101	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A119260
Included Lab Sample IDs: 2410680

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	100	P/P	95 - 105

Reference Method: SM 5310 B-2011
Run ID: A119300
Included Lab Sample IDs: 2410681

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.2	98.4	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A119351
Included Lab Sample IDs: 2410680

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	98.2	99.8	P/P	90 - 110
Sulfate	96.2	97.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A119387
Included Lab Sample IDs: 2410681

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.1	93.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A119408
Included Lab Sample IDs: 2410681

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.8	98.7	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A119431
Included Lab Sample IDs: 2410691

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	100		P	80 - 120
Alpha-BHC	101		P	80 - 120
Alpha-Chlordane	101		P	80 - 120
Beta-BHC	105		P	80 - 120
Beta-Cyfluthrin	105		P	80 - 120
Bifenthrin	104		P	80 - 120
Chlorothalonil	102		P	80 - 120
Cis-Nonachlor	104		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A119431
Included Lab Sample IDs: 2410691

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Cypermethrin	108		P	80 - 120
Dacthal	101		P	80 - 120
DDD-p,p'	109		P	80 - 120
DDE-p,p'	103		P	80 - 120
DDT-p,p'	96.9		P	80 - 120
Delta-BHC	106		P	80 - 120
Deltamethrin	103		P	80 - 120
Dichlobenil	109		P	80 - 120
Dicofol	97.2		P	80 - 120
Dieldrin	103		P	80 - 120
Endosulfan I	104		P	80 - 120
Endosulfan II	105		P	80 - 120
Endosulfan Sulfate	104		P	80 - 120
Endrin	104		P	80 - 120
Endrin Aldehyde	107		P	80 - 120
Endrin Ketone	107		P	80 - 120
Esfenvalerate	107		P	80 - 120
Ethalfuralin	97.2		P	80 - 120
Fenpropathrin	105		P	80 - 120
Gamma-BHC	105		P	80 - 120
Gamma-Chlordane	105		P	80 - 120
Heptachlor	103		P	80 - 120
Heptachlor Epoxide	99.0		P	80 - 120
Hexachlorobenzene	100		P	80 - 120
Kepone	90.4		P	80 - 120
Lambda-Cyhalothrin	106		P	80 - 120
Methoprene	105		P	80 - 120
Methoxychlor	98.9		P	80 - 120
MGK-264	103		P	80 - 120
Mirex	101		P	80 - 120
Oxychlordane	105		P	80 - 120
Permethrin	102		P	80 - 120
Phenothrin	101		P	80 - 120
Piperonyl Butoxide	111		P	80 - 120
Prallethrin	104		P	80 - 120
Tau-Fluvalinate	104		P	80 - 120
Tetramethrin	107		P	80 - 120
Trans-Nonachlor	103		P	80 - 120
Triclosan Methyl	104		P	80 - 120
Trifluralin	102		P	80 - 120

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A119437
Included Lab Sample IDs: 2410681

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	108	110	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A119451
Included Lab Sample IDs: 2410691

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	98.7		P	80 - 120
PCB-1260	96.6		P	80 - 120

Reference Method: EPA 8276
Run ID: A119459
Included Lab Sample IDs: 2410691

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	98.7		P	80 - 120
Toxaphene	96.6		P	80 - 120

Reference Method: SM 2320 B-2011
Run ID: A119461
Included Lab Sample IDs: 2410680

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.2	93.5	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A119461
Included Lab Sample IDs: 2410680

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	103	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A119582
Included Lab Sample IDs: 2410681

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	103	103	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
DEP SOP: NU-094-1	Color (true)	97.7				2.32
EPA 180.1 Rev. 2.0	Turbidity	98.7				10.3
EPA 300.0 Rev. 2.1	Chloride	101	101	99.0		1.37
	Sulfate	99.9	98.7	99.1		1.71
EPA 350.1 Rev. 2.0	Ammonia-N	98.0	97.4	97.8		0.355
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	100				11.3
EPA 353.2 Rev. 2.0	NO2NO3-N	108	107	106		0.939
EPA 365.1 Rev. 2.0	Total-P	99.6	104	105		0.883
EPA 8270E	Aldrin	50.2	52.1	56.3		7.71
	Alpha-BHC	94.8	89.8	89.8		0.0887
	Alpha-Chlordane	78.9	66.5	66.2		0.560
	Beta-BHC	86.6	79.7	78.2		1.88
	Beta-Cyfluthrin	97.2	107	91.4		15.9
	Bifenthrin	53.4	69.8	65.9		5.79
	Chlorothalonil	102	122	136		10.7
	Cis-Nonachlor	75.9	62.5	59.5		4.95
	Cypermethrin	106	100	78.5		24.1
	Dacthal	102	102	97.3		5.20
	DDD-p,p'	82.9	58.9	57.0		3.27
	DDE-p,p'	78.3	62.4	61.4		1.72
	DDT-p,p'	88.8	81.8	82.8		1.06
	Delta-BHC	115	118	129		9.07
	Deltamethrin	125	131	125		4.71
	Dichlobenil	96.8	63.6	69.0		8.15
	Dicofol	74.8	66.7	70.3		5.24
	Dieldrin	79.5	68.7	69.9		1.70
	Endosulfan I	82.9	73.0	73.6		0.861
	Endosulfan II	83.2	69.1	65.7		5.07
	Endosulfan Sulfate	89.9	69.1	66.8		3.43
	Endrin	80.8	65.7	64.8		1.42
	Endrin Aldehyde	101	78.9	79.0		0.202
	Endrin Ketone	108	66.0	55.6		17.1
	Esfenvalerate	94.8	108	100		7.44
	Ethalfuralin	72.4	68.3	69.5		1.81
	Fenpropathrin	62.9	64.8	64.8		0.0530
	Gamma-BHC	103	105	112		6.54
	Gamma-Chlordane	78.8	69.1	72.2		4.42
	Heptachlor	75.1	69.8	73.3		4.96
	Heptachlor Epoxide	91.2	83.6	79.1		5.49
	Hexachlorobenzene	66.3	61.8	60.8		1.48
	Kepone	143	134	121		10.8
	Lambda-Cyhalothrin	65.9	80.2	80.2		0.0565
	Methoprene	51.3	68.1	67.9		0.281
	Methoxychlor	89.6	84.2	89.4		5.93
	MGK-264	94.3	100	99.1		1.10
	Mirex	61.3	54.2	48.2		11.6
	Oxychlordane	92.3	78.6	93.8		17.6
	PCB-1016	68.9	68.2	80.0		15.8
	PCB-1260	68.5	81.1	88.0		8.14
	Permethrin	72.5	77.7	76.4		1.68
	Phenothrin	40.2	64.5	70.2		8.39
	Piperonyl Butoxide	79.9	75.8	78.7		3.75
	Prallethrin	68.2	67.2	63.7		5.29
	Tau-Fluvalinate	85.9	107	109		1.31

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	SMP
EPA 8270E	Tetramethrin	69.0	83.6	84.3		0.805
	Trans-Nonachlor	77.5	66.4	69.9		5.07
	Triclosan Methyl	81.0	63.7	66.8		4.86
	Trifluralin	75.5	69.9	65.1		7.22
EPA 8276	Chlordane	72.5	53.2	72.7		30.9
	Toxaphene	79.8	56.3	79.1		33.7
SM 2320 B-2011	Total Alkalinity	97.8				0.702
SM 2540 C-2015	TDS	103				3.55
SM 2540 D-2015	TSS	103				7.23
SM 4500-F- C-2011	Fluoride	102	101	98.4		1.99
SM 5310 B-2011	Organic Carbon	98.5	95.5	95.2		0.210

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2410680
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2410680
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2410680
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2410680
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2410681
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2410681
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2410681
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2410681
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2410691
EPA 8270E	PCBs in water matrices by GC/MS/MS	2410691
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2410691
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2410680
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2410680
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2410680
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2410680
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2410681

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	05/18/2023			05/18/2023 15:06	Alexis Price	2410680
EPA 180.1 Rev. 2.0	05/18/2023			05/18/2023 13:13	Khloe J Berg	2410680
EPA 300.0 Rev. 2.1	05/18/2023			05/25/2023 00:57	James L Waggeberby	2410680
EPA 350.1 Rev. 2.0	05/18/2023			05/25/2023 11:55	Khloe J Berg	2410681
EPA 351.2 Rev. 2.0	05/18/2023	05/23/2023 11:55	Dana G. Hughes	05/24/2023 14:31	Samantha L Bates	2410681
EPA 353.2 Rev. 2.0	05/18/2023			05/26/2023 11:50	Beverly Y. Sanders	2410681
EPA 365.1 Rev. 2.0	05/18/2023	06/02/2023 15:05	Adam P Silver	06/05/2023 13:32	Chandler E Cox	2410681
EPA 8270E	05/18/2023	05/23/2023 08:00	Rasheda Ghaffari	05/25/2023 21:45	Michael Poppell	2410691
	05/18/2023	05/23/2023 08:00	Rasheda Ghaffari	05/29/2023 08:22	Julie Wi	2410691
EPA 8276	05/18/2023	05/23/2023 08:00	Rasheda Ghaffari	05/26/2023 11:06	Lipi Saha	2410691
SM 2320 B-2011	05/18/2023			05/26/2023 05:09	Dale L. Simmons	2410680
SM 2540 C-2015	05/18/2023			05/19/2023 16:01	Yijie Li	2410680
SM 2540 D-2015	05/18/2023			05/19/2023 16:01	Yijie Li	2410680
SM 4500-F- C-2011	05/18/2023			05/26/2023 05:09	Dale L. Simmons	2410680
SM 5310 B-2011	05/18/2023			05/20/2023 00:59	Elise M. Gillis	2410681