

Chemical Analysis Report

NE-DIST-2023-12-13-01

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

Event Description: **LSJR South Lake**
Request ID: **RQ-2023-12-11-12**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
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8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
Attn: Jeremy Parrish

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Certified by: Marek Topolski, Environmental Specialist III

Date Certified: 12-JAN-2024 10:00

A handwritten signature in black ink, appearing to read "Marek Topolski", with a stylized, flowing script.

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: LAKE BROWARD SOUTH

Collection Date/Time: 12/12/2023 10:25

Field ID: G2NE1218

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456503	DEP SOP: NU-094-1	Color (true)	21		PCU	P438917	
	EPA 180.1 Rev. 2.0	Turbidity	1.4		NTU	P438924	
	EPA 300.0 Rev. 2.1	Chloride	14		mg Cl/L	P439334	
		Sulfate	8.0		mg SO4/L	P439337	
	SM 2320 B-2011	Total Alkalinity	4.3		mg CaCO3/L	P439118	
	SM 2540 C-2015	TDS	56		mg/L	P439353	
	SM 2540 D-2015	TSS	2	I	mg/L	P439295	
	SM 4500-F- C-2011	Fluoride	0.030	I	mg F/L	P439121	
2456505	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P438991	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.45		mg N/L	P439487	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P439172	
	EPA 365.1 Rev. 2.0	Total-P	0.012		mg P/L	P439043	
	SM 5310 B-2014	Organic Carbon	6.6		mg C/L	P439102	

Ref. Method and Comment:

SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: FB

Collection Date/Time: 12/12/2023 11:30

Field ID: FB_12122023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456507	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P438917	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P438924	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P439334	
		Sulfate	0.20	U	mg SO4/L	P439337	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P439119	
	SM 2540 C-2015	TDS	15	U	mg/L	P439353	
	SM 2540 D-2015	TSS	2	U	mg/L	P439295	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P439122	
2456508	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P439061	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P439487	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P439172	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P439044	
	SM 5310 B-2014	Organic Carbon	0.50	U	mg C/L	P439102	
2456509	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P438913	

Ref. Method and Comment:

SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: SILVER LAKE CENTER

Collection Date/Time: 12/12/2023 11:20

Field ID: G2NE1132

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456504	DEP SOP: NU-094-1	Color (true)	210		PCU	P438917	
	EPA 180.1 Rev. 2.0	Turbidity	1.4		NTU	P438924	
	EPA 300.0 Rev. 2.1	Chloride	12		mg Cl/L	P439334	
		Sulfate	2.9		mg SO4/L	P439337	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P439119	
	SM 2540 C-2015	TDS	53		mg/L	P439353	
	SM 2540 D-2015	TSS	3	I	mg/L	P439295	
	SM 4500-F- C-2011	Fluoride	0.030	I	mg F/L	P439122	
2456506	EPA 350.1 Rev. 2.0	Ammonia-N	0.039		mg N/L	P438991	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.85		mg N/L	P439487	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.052		mg N/L	P439172	
	EPA 365.1 Rev. 2.0	Total-P	0.021		mg P/L	P439044	
	SM 5310 B-2014	Organic Carbon	19		mg C/L	P439102	

Ref. Method and Comment:

SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: BULL CREEK DITCH DOWNSTREAM OF EAST DITCH **Collection Date/Time: 12/12/2023 12:45**

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456514	EPA 8270E	Aldrin	0.67	U	ng/L	P438882	
		Alpha-BHC	0.10	U	ng/L	P438882	
		Alpha-Chlordane	0.21	U	ng/L	P438882	
		PCB-1016	2.1	U	ng/L	P438882	
		Beta-BHC	0.10	U	ng/L	P438882	
		PCB-1221	2.1	U	ng/L	P438882	
		Beta-Cyfluthrin	1.3	U	ng/L	P438882	
		PCB-1232	2.1	U	ng/L	P438882	
		Bifenthrin	0.52	U	ng/L	P438882	
		PCB-1242	2.1	U	ng/L	P438882	
		PCB-1248	2.1	U	ng/L	P438882	
		Chlorothalonil	3.7	U	ng/L	P438882	
		PCB-1254	2.1	U	ng/L	P438882	
		Cis-Nonachlor	0.21	U	ng/L	P438882	
		PCB-1260	2.1	U	ng/L	P438882	
		Cypermethrin	1.6	U	ng/L	P438882	
		Dacthal	34		ng/L	P438882	
		DDD-p,p'	0.36	I	ng/L	P438882	
		DDE-p,p'	0.21	U	ng/L	P438882	
		DDT-p,p'	0.83	U	ng/L	P438882	
		Delta-BHC	0.41	U	ng/L	P438882	
		Deltamethrin	1.3	U	ng/L	P438882	
		Dichlobenil	0.26	U	ng/L	P438882	MS, RPD
		Dicofol	1.3	U	ng/L	P438882	
		Dieldrin	0.41	U	ng/L	P438882	
		Endosulfan I	0.41	U	ng/L	P438882	
		Endosulfan II	0.93	U	ng/L	P438882	
		Endosulfan Sulfate	0.31	U	ng/L	P438882	
		Endrin	0.93	U	ng/L	P438882	
		Endrin Aldehyde	0.78	U	ng/L	P438882	
		Endrin Ketone	0.41	U	ng/L	P438882	
		Esfenvalerate	0.78	U	ng/L	P438882	
		Ethalfuralin	0.16	U	ng/L	P438882	
		Fenpropathrin	0.26	U	ng/L	P438882	
		Gamma-BHC	0.13	U	ng/L	P438882	
		Gamma-Chlordane	0.21	U	ng/L	P438882	
		Heptachlor	0.21	U	ng/L	P438882	
		Heptachlor Epoxide	0.26	U	ng/L	P438882	
		Hexachlorobenzene**	1.0	U	ng/L	P438882	
		Kepone	14	U	ng/L	P438882	
		Lambda-Cyhalothrin	0.78	U	ng/L	P438882	
		Methoprene	0.78	U	ng/L	P438882	
		Methoxychlor	0.31	U	ng/L	P438882	

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456514	EPA 8270E	MGK-264	0.21	U	ng/L	P438882	
		Mirex	0.36	U	ng/L	P438882	
		Oxychlordane	0.31	U	ng/L	P438882	
		Permethrin	1.7	U	ng/L	P438882	
		Phenothrin	0.93	U	ng/L	P438882	
		Piperonyl Butoxide	0.19	I	ng/L	P438882	
		Prallethrin	2.1	U	ng/L	P438882	
		Tau-Fluvalinate	0.26	U	ng/L	P438882	
		Tetramethrin	0.78	U	ng/L	P438882	
		Trans-Nonachlor	0.21	U	ng/L	P438882	
		Triclosan Methyl	0.16	U	ng/L	P438882	
		Trifluralin	0.21	U	ng/L	P438882	
		Chlordane	2.1	U	ng/L	P438882	
		Toxaphene	15	U	ng/L	P438882	
2456515	EPA 8270E	Oxybenzone**	10	U	ng/L	P439019	
		Acetochlor	0.21	UJ	ng/L	P439019	LCS
		Octinoxate**	150	UJ	ng/L	P439019	LCS
		Alachlor	0.41	U	ng/L	P439019	
		Avobenzone**	100	U	ng/L	P439019	
		Ametryn	3.8	I	ng/L	P439019	
		Atrazine	56		ng/L	P439019	
		PBDE-47**	4.1	U	ng/L	P439019	
		Atrazine Desethyl	15	J	ng/L	P439019	CCV
		PBDE-99**	5.2	U	ng/L	P439019	
		Azinphos Methyl	3.1	U	ng/L	P439019	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P439019	
		Azoxystrobin	42		ng/L	P439019	
		Bromacil	0.62	U	ng/L	P439019	
		2-Ethylhexyl	12	U	ng/L	P439019	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.46	U	ng/L	P439019	
		Dechlorane Plus**	31	U	ng/L	P439019	
		Caffeine**	8.9	I	ng/L	P439019	
		Dechlorane 602**	5.2	U	ng/L	P439019	
		Carbophenothion	0.52	U	ng/L	P439019	
		Dechlorane 603**	4.1	U	ng/L	P439019	
		Carfentrazone Ethyl	0.15	U	ng/L	P439019	
		Hexabromobenzene**	6.2	U	ng/L	P439019	
		Chlorfenapyr	0.31	U	ng/L	P439019	
		PBB-153**	6.2	U	ng/L	P439019	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P439019	
		Pentabromotoluene**	3.1	U	ng/L	P439019	
		Chlorpyrifos Methyl	0.10	UJ	ng/L	P439019	LCS
		Tris(2-chloroethyl) phosphate (TCEP)**	57	U	ng/L	P439019	
		Coumaphos	1.1	U	ng/L	P439019	

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456515	EPA 8270E	Tris(1-chloro-2-propyl) phosphate (TCPP)**	26	U	ng/L	P439019	
		Cyanazine	5.2	U	ng/L	P439019	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	U	ng/L	P439019	
		Cyprodinil	0.21	U	ng/L	P439019	
		Tetradecachloro-m-terphenyl**	7.7	U	ng/L	P439019	
		Demeton	3.6	U	ng/L	P439019	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	62	U	ng/L	P439019	
		Diazinon	0.13	UJ	ng/L	P439019	CCV
		Difenoconazole	0.62	U	ng/L	P439019	
		Dimethenamid	0.10	UJ	ng/L	P439019	LCS
		Dimethomorph	0.31	U	ng/L	P439019	
		Disulfoton	0.62	UJ	ng/L	P439019	CCV, LCS, MS
		Dithiopyr	1.0	U	ng/L	P439019	
		EPTC	0.52	U	ng/L	P439019	
		Ethion	0.31	U	ng/L	P439019	
		Ethoprop	0.13	U	ng/L	P439019	
		Etridiazole	0.10	U	ng/L	P439019	
		Fenamiphos	0.46	U	ng/L	P439019	MS
		Fenbuconazole	0.52	U	ng/L	P439019	
		Fipronil	1.4		ng/L	P439019	
		Fipronil Desulfinyl**	1.0		ng/L	P439019	
		Fipronil Sulfide	2.7		ng/L	P439019	MS
		Fipronil Sulfone	3.8		ng/L	P439019	
		Fluazifop-P-butyl	0.10	U	ng/L	P439019	
		Fludioxonil	1.6		ng/L	P439019	
		Flumioxazin	3.1	U	ng/L	P439019	
		Flutolanil	0.10	U	ng/L	P439019	
		Fluxapyroxad	0.26	U	ng/L	P439019	
		Fonofos	0.15	UJ	ng/L	P439019	CCV, LCS, MS
		Hexazinone	0.52	U	ng/L	P439019	
		Imazalil	0.67	U	ng/L	P439019	
		Iprodione	0.52	U	ng/L	P439019	
		Loratadine**	0.31	U	ng/L	P439019	
		Malathion	0.36	U	ng/L	P439019	
		Metalaxyl	12	J	ng/L	P439019	
		Metolachlor	45		ng/L	P439019	
		Metribuzin	0.41	U	ng/L	P439019	
		Mevinphos	1.0	U	ng/L	P439019	
		Molinate	0.26	U	ng/L	P439019	
		Myclobutanil	0.36	U	ng/L	P439019	
		Naled	2.6	U	ng/L	P439019	
		Napropamide	36		ng/L	P439019	
		Norflurazon	1.0	U	ng/L	P439019	

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456515	EPA 8270E	Oxadiazon	27		ng/L	P439019	
		Oxyfluorfen	0.21	U	ng/L	P439019	
		Parathion Ethyl	0.15	U	ng/L	P439019	
		Parathion Methyl	0.21	U	ng/L	P439019	
		Pendimethalin	1.8	U	ng/L	P439019	
		Phenytol**	5.5	U	ng/L	P439019	
		Phorate	0.26	U	ng/L	P439019	
		Prodiamine	0.21	U	ng/L	P439019	
		Prometon	3.1	U	ng/L	P439019	
		Prometryn	0.36	U	ng/L	P439019	
		Pronamide	0.10	UJ	ng/L	P439019	LCS
		Propanil	0.10	U	ng/L	P439019	
		Propargite	0.82	U	ng/L	P439019	
		Propiconazole	0.62	U	ng/L	P439019	
		Pyraflufen Ethyl	0.31	U	ng/L	P439019	
		Pyridaben	1.4	U	ng/L	P439019	
		Pyriproxyfen	0.26	U	ng/L	P439019	
		Simazine	0.26	U	ng/L	P439019	
		Stirophos	0.41	U	ng/L	P439019	
		Sulfentrazone	25		ng/L	P439019	
		Tebuconazole	1.4	U	ng/L	P439019	
		Terbufos	0.21	UJ	ng/L	P439019	CCV, MS
		Terbuthylazine	0.21	U	ng/L	P439019	
		Thiobencarb	0.52	U	ng/L	P439019	
		Triadimefon	0.15	U	ng/L	P439019	

Ref. Method and Comment:

EPA 8270E: MS accuracy for alpha-chlordane, heptachlor epoxide and dieldrin not assessed due to high content of these parameters in the sample spiked.

EPA 8270E: MS accuracy for TCPP & TDCPP not assessed due to high content of these parameters in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

EPA 8270E: MS accuracy for some parameters not assessed due to high content of these parameters in the sample spiked. MS precision for disulfoton and fonofos not assessed due to no recoveries. Estimation for metalaxyl due to second source standard recovery failure. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P438917

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P438924

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439334

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439337

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438991

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439061

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439487

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439172

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439043

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P439044

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P438913

Component	Result	Code	Units
O-Phosphate-P	0.004	U	mg P/L

Reference Method: EPA 8270E

Batch ID: P438882

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.80	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P438882

Component	Result	Code	Units
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8270E

Batch ID: P439019

Component	Result	Code	Units
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	60	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.45	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P439019

Component	Result	Code	Units
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	150	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	6.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	1.7	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytoin	5.3	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P439019

Component	Result	Code	Units
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	25	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	55	U	ng/L

Reference Method: EPA 8276

Batch ID: P438882

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

Reference Method: SM 2320 B-2011

Batch ID: P439118

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO ₃ /L

Reference Method: SM 2320 B-2011

Batch ID: P439119

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO ₃ /L

Reference Method: SM 2540 C-2015

Batch ID: P439353

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015

Batch ID: P439295

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011

Batch ID: P439121

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: P439122

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P439102

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: P438917

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P438924

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439334

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439337

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438991

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.2		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439061

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	96.0		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439487

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	96.9		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439172

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439043

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P439044

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	106		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P438913

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	99.4		P	90 - 110

Reference Method: EPA 8270E

Batch ID: P438882

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	53.6		P	30 - 96.0
Alpha-BHC	79.1		P	70 - 109
Alpha-Chlordane	70.5		P	45 - 107
Beta-BHC	93.9		P	64 - 138
Beta-Cyfluthrin	51.8		P	17 - 141
Bifenthrin	48.0		P	10 - 113
Chlorothalonil	54.8		P	26 - 180
Cis-Nonachlor	79.0		P	37 - 102
Cypermethrin	47.6		P	20 - 133
Dacthal	75.4		P	69 - 114
DDD-p,p'	79.2		P	42 - 105
DDE-p,p'	80.1		P	42 - 106
DDT-p,p'	77.8		P	42 - 107
Delta-BHC	96.3		P	67 - 144
Deltamethrin	57.1		P	15 - 149
Dichlobenil	92.7		P	46 - 117
Dicofol	72.7		P	34 - 114
Dieldrin	81.9		P	50 - 108
Endosulfan I	79.7		P	55 - 104
Endosulfan II	91.5		P	51 - 111
Endosulfan Sulfate	83.9		P	56 - 121
Endrin	79.9		P	10 - 106
Endrin Aldehyde	73.4		P	34 - 114
Endrin Ketone	80.3		P	63 - 177
Esfenvalerate	63.2		P	29 - 143
Ethalfuralin	78.1		P	46 - 96.0
Fenpropathrin	66.7		P	28 - 115
Gamma-BHC	102		P	65 - 121
Gamma-Chlordane	83.9		P	39 - 103
Heptachlor	76.3		P	39 - 94.0
Heptachlor Epoxide	84.0		P	54 - 104
Hexachlorobenzene	61.0		P	36 - 100
Kepone	138		P	10 - 225
Lambda-Cyhalothrin	48.1		P	10 - 135
Methoprene	46.6		P	10 - 109
Methoxychlor	77.6		P	52 - 112
MGK-264	94.7		P	44 - 117
Mirex	60.8		P	20 - 90.0
Oxychlordane	79.4		P	44 - 102
PCB-1016	67.3		P	45 - 107

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P438882

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PCB-1260	62.8		P	40 - 118
Permethrin	68.8		P	18 - 135
Phenothrin	52.1		P	10 - 102
Piperonyl Butoxide	92.2		P	28 - 156
Prallethrin	91.0		P	28 - 113
Tau-Fluvalinate	54.5		P	10 - 123
Tetramethrin	47.0		P	18 - 158
Trans-Nonachlor	77.3		P	39 - 104
Triclosan Methyl	82.1		P	54 - 108
Trifluralin	68.4		P	46 - 97.0

Reference Method: EPA 8270E

Batch ID: P439019

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	123		P	50 - 150
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	89.4		P	37 - 154
Acetochlor	134		F	64 - 124
Alachlor	118		P	61 - 118
Ametryn	124		P	47 - 158
Atrazine	111		P	68 - 121
Atrazine Desethyl	104		P	30 - 119
Avobenzone	143		P	48 - 193
Azinphos Methyl	139		P	30 - 194
Azoxystrobin	111		P	58 - 154
Bromacil	124		P	47 - 126
Butylate	65.1		P	31 - 83.0
Caffeine	88.3		P	10 - 180
Carbophenothion	89.1		P	59 - 133
Carfentrazone Ethyl	95.4		P	59 - 147
Chlorfenapyr	75.6		P	52 - 118
Chlorpyrifos Ethyl	112		P	59 - 119
Chlorpyrifos Methyl	129		F	65 - 123
Coumaphos	104		P	11 - 223
Cyanazine	167		P	63 - 250
Cyprodinil	116		P	52 - 143
Dechlorane 602	113		P	23 - 142
Dechlorane 603	86.7		P	51 - 171
Dechlorane Plus	93.0		P	46 - 161
Demeton	98.6		P	42 - 119
Diazinon	126		P	67 - 132
Difenoconazole	106		P	12 - 204
Dimethenamid	117		F	53 - 113
Dimethomorph	105		P	13 - 238
Disulfoton	142		F	56 - 126
Dithiopyr	117		P	58 - 127
EPTC	67.5		P	31 - 78.0
Ethion	87.3		P	24 - 127
Ethoprop	113		P	60 - 118
Etridiazole	81.9		P	32 - 91.0
Fenamiphos	122		P	54 - 129
Fenbuconazole	126		P	31 - 162

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P439019

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fipronil	95.6		P	56 - 131
Fipronil Desulfinyl	101		P	58 - 132
Fipronil Sulfide	87.0		P	51 - 123
Fipronil Sulfone	85.3		P	50 - 125
Fluazifop-P-butyl	87.6		P	52 - 132
Fludioxonil	90.6		P	52 - 129
Flumioxazin	109		P	34 - 250
Flutolanil	107		P	45 - 128
Fluxapyroxad	108		P	31 - 150
Fonofos	122		F	60 - 116
Hexabromobenzene	76.9		P	52 - 165
Hexazinone	118		P	59 - 120
Imazalil	110		P	39 - 134
Iprodione	120		P	39 - 243
Loratadine	93.0		P	10 - 240
Malathion	122		P	53 - 145
Metalaxyl	101		P	59 - 120
Metolachlor	98.9		P	64 - 122
Metribuzin	105		P	33 - 128
Mevinphos	105		P	48 - 119
Molinate	79.7		P	42 - 89.0
Myclobutanil	111		P	54 - 129
Naled	49.9		P	10 - 138
Napropamide	97.9		P	40 - 122
Norflurazon	109		P	49 - 132
Octinoxate	182		F	29 - 176
Oxadiazon	81.4		P	50 - 115
Oxybenzone	113		P	45 - 145
Oxyfluorfen	103		P	62 - 149
Parathion Ethyl	114		P	68 - 119
Parathion Methyl	115		P	68 - 147
PBB-153	70.7		P	42 - 179
PBDE-47	103		P	44 - 141
PBDE-99	108		P	36 - 141
Pendimethalin	129		P	59 - 158
Pentabromotoluene	106		P	58 - 148
Phenytol	137		P	10 - 151
Phorate	115		P	44 - 124
Prodiamine	125		P	10 - 136
Prometon	120		P	45 - 131
Prometryn	124		P	52 - 140
Pronamide	147		F	70 - 129
Propanil	93.9		P	54 - 144
Propargite	114		P	10 - 191
Propiconazole	112		P	49 - 128
Pyraflufen Ethyl	110		P	46 - 141
Pyridaben	131		P	29 - 198
Pyriproxyfen	108		P	33 - 221
Simazine	111		P	62 - 119
Stirophos	72.2		P	13 - 144
Sulfentrazone	108		P	12 - 152
Tebuconazole	113		P	10 - 135

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P439019

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Terbufos	105		P	67 - 136
Terbutylazine	109		P	66 - 113
Tetradecachloro-m-terphenyl	96.3		P	30 - 235
Thiobencarb	109		P	51 - 125
Tri-o-cresyl Phosphate	132		P	50 - 150
Triadimefon	92.2		P	57 - 118
Tris(1-chloro-2-propyl) phosphate (TCPP)	105		P	60 - 160
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	118		P	66 - 141
Tris(2-chloroethyl) phosphate (TCEP)	119		P	59 - 166

Reference Method: EPA 8276

Batch ID: P438882

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	71.7		P	43 - 123
Toxaphene	77.0		P	27 - 156

Reference Method: SM 2320 B-2011

Batch ID: P439118

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	95.8		P	92 - 105

Reference Method: SM 2320 B-2011

Batch ID: P439119

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.3		P	92 - 105

Reference Method: SM 2540 C-2015

Batch ID: P439353

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	98.0		P	85 - 115

Reference Method: SM 2540 D-2015

Batch ID: P439295

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

Reference Method: SM 4500-F- C-2011

Batch ID: P439121

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

Reference Method: SM 4500-F- C-2011

Batch ID: P439122

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	104		P	94 - 106

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 5310 B-2014
Batch ID: P439102

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	99.3		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439334

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456443	Chloride	101		P	90 - 110
2456503	Chloride	99.0		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439337

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456443	Sulfate	98.6		P	90 - 110
2456503	Sulfate	98.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438991

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456451	Ammonia-N	96.8	98.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439061

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2454259	Ammonia-N	97.4	98.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439487

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456453	Kjeldahl Nitrogen	104	98.2	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439172

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456251	NO2NO3-N	94.8	94.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439043

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456456	Total-P	105	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439044

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456517	Total-P	108	106	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P438913

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456518	O-Phosphate-P	99.3	99.1	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P438882

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456514	PCB-1016	57.4	57.3	P/P	45 - 107
2456514	PCB-1260	53.1	55.7	P/P	40 - 112
2456681	Aldrin	47.1	44.5	P/P	24 - 81.0
2456681	Alpha-BHC	73.0	68.5	P/P	65 - 110
2456681	Beta-BHC	80.0	73.5	P/P	54 - 165
2456681	Beta-Cyfluthrin	61.1	65.9	P/P	27 - 165
2456681	Bifenthrin	57.3	72.4	P/P	17 - 117
2456681	Chlorothalonil	103	113	P/P	10 - 255
2456681	Cis-Nonachlor	49.8	62.5	P/P	34 - 98.0
2456681	Cypermethrin	63.9	74.6	P/P	25 - 143
2456681	Dacthal	61.9	60.0	P/P	55 - 139
2456681	DDD-p,p'	54.7	72.4	P/P	30 - 109
2456681	DDE-p,p'	56.3	62.9	P/P	35 - 106
2456681	DDT-p,p'	53.5	53.6	P/P	41 - 101
2456681	Delta-BHC	88.8	84.9	P/P	58 - 165
2456681	Deltamethrin	48.6	57.6	P/P	10 - 194
2456681	Dichlobenil	64.1	124	P/F	22 - 114
2456681	Dicofol	62.2	62.5	P/P	17 - 133
2456681	Endosulfan I	68.6	67.4	P/P	49 - 104
2456681	Endosulfan II	73.3	90.2	P/P	37 - 117
2456681	Endosulfan Sulfate	64.7	67.9	P/P	38 - 128
2456681	Endrin	69.5	71.6	P/P	35 - 116
2456681	Endrin Aldehyde	50.5	49.9	P/P	19 - 108
2456681	Endrin Ketone	66.1	81.1	P/P	44 - 134
2456681	Esfenvalerate	64.4	86.5	P/P	27 - 176
2456681	Ethalfuralin	73.4	72.6	P/P	49 - 100
2456681	Fenpropathrin	64.7	73.6	P/P	34 - 117
2456681	Gamma-BHC	81.3	75.6	P/P	59 - 129
2456681	Gamma-Chlordane	44.4	49.7	P/P	33 - 107
2456681	Heptachlor	57.8	66.0	P/P	37 - 94.0
2456681	Hexachlorobenzene	52.9	66.1	P/P	35 - 97.0
2456681	Kepone	130	127	P/P	10 - 221
2456681	Lambda-Cyhalothrin	67.6	72.0	P/P	23 - 190
2456681	Methoprene	56.5	59.0	P/P	21 - 109
2456681	Methoxychlor	65.9	78.9	P/P	46 - 118
2456681	MGK-264	71.8	73.0	P/P	39 - 122
2456681	Mirex	55.2	54.0	P/P	25 - 90.0
2456681	Oxychlordane	78.1	79.6	P/P	42 - 100
2456681	Permethrin	68.0	68.3	P/P	33 - 181
2456681	Phenothrin	55.2	58.7	P/P	12 - 125
2456681	Piperonyl Butoxide	73.4	74.2	P/P	10 - 178
2456681	Prallethrin	60.0	59.6	P/P	24 - 122
2456681	Tau-Fluvalinate	55.5	71.1	P/P	13 - 151
2456681	Tetramethrin	77.5	67.7	P/P	16 - 172
2456681	Trans-Nonachlor	63.3	62.1	P/P	39 - 100
2456681	Triclosan Methyl	59.9	63.2	P/P	43 - 110
2456681	Trifluralin	67.4	58.2	P/P	45 - 94.0

Reference Method: EPA 8270E
Batch ID: P439019

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
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Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P439019

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456103	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	76.1	75.6	P/P	50 - 150
2456103	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	72.3	83.3	P/P	29 - 155
2456103	Acetochlor	116	87.5	P/P	60 - 124
2456103	Alachlor	104	85.7	P/P	54 - 122
2456103	Ametryn	107	110	P/P	51 - 208
2456103	Atrazine Desethyl	100	93.2	P/P	13 - 124
2456103	Avobenzone	67.3	90.3	P/P	35 - 187
2456103	Azinphos Methyl	99.4	106	P/P	43 - 276
2456103	Azoxystrobin	75.4	90.0	P/P	52 - 300
2456103	Bromacil	88.6	94.3	P/P	44 - 134
2456103	Butylate	33.0	32.6	P/P	23 - 82.0
2456103	Carbophenothion	73.8	74.3	P/P	47 - 135
2456103	Carfentrazone Ethyl	95.6	90.2	P/P	46 - 147
2456103	Chlorfenapyr	75.1	73.2	P/P	43 - 114
2456103	Chlorpyrifos Ethyl	75.3	90.4	P/P	47 - 124
2456103	Chlorpyrifos Methyl	119	91.6	P/P	60 - 135
2456103	Coumaphos	85.2	91.0	P/P	10 - 222
2456103	Cyanazine	108	114	P/P	10 - 257
2456103	Cyprodinil	94.6	116	P/P	42 - 148
2456103	Dechlorane 602	72.5	68.7	P/P	14 - 133
2456103	Dechlorane 603	78.9	88.9	P/P	18 - 191
2456103	Dechlorane Plus	71.4	86.6	P/P	23 - 154
2456103	Demeton	58.3	59.4	P/P	41 - 137
2456103	Diazinon	79.6	85.1	P/P	64 - 139
2456103	Difenoconazole	91.4	105	P/P	46 - 254
2456103	Dimethenamid	76.7	76.5	P/P	47 - 117
2456103	Dimethomorph	81.1	103	P/P	14 - 255
2456103	Disulfoton	0.0	0.0	F/F	52 - 130
2456103	Dithiopyr	64.2	58.1	P/P	40 - 121
2456103	EPTC	34.4	41.8	P/P	19 - 78.0
2456103	Ethion	76.9	68.5	P/P	12 - 124
2456103	Ethoprop	104	117	P/P	68 - 144
2456103	Etridiazole	37.5	48.6	P/P	26 - 96.0
2456103	Fenamiphos	34.6	34.7	F/F	41 - 129
2456103	Fenbuconazole	107	105	P/P	26 - 169
2456103	Fipronil Desulfanyl	80.7	62.1	P/P	47 - 136
2456103	Fipronil Sulfide	50.3	34.7	P/F	41 - 127
2456103	Fipronil Sulfone	75.0	71.8	P/P	35 - 133
2456103	Fluazifop-P-butyl	68.8	63.7	P/P	46 - 131
2456103	Fludioxonil	75.2	75.9	P/P	51 - 124
2456103	Flumioxazin	87.4	105	P/P	10 - 289
2456103	Flutolanil	85.4	84.3	P/P	34 - 130
2456103	Fluxapyroxad	76.2	77.5	P/P	10 - 197
2456103	Fonofos	0.0	0.0	F/F	42 - 131
2456103	Hexabromobenzene	82.0	90.7	P/P	47 - 178
2456103	Hexazinone	92.1	95.9	P/P	64 - 125
2456103	Imazalil	117	133	P/P	37 - 252
2456103	Iprodione	106	86.1	P/P	34 - 265
2456103	Malathion	80.9	79.7	P/P	34 - 164
2456103	Metalaxyl	65.8	77.0	P/P	49 - 125
2456103	Metolachlor	70.4	71.3	P/P	54 - 125
2456103	Metribuzin	97.5	85.8	P/P	51 - 139

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P439019

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456103	Mevinphos	102	99.6	P/P	46 - 130
2456103	Molinate	43.4	51.4	P/P	39 - 93.0
2456103	Myclobutanil	97.5	102	P/P	50 - 130
2456103	Naled	66.6	65.5	P/P	10 - 150
2456103	Napropamide	62.2	62.0	P/P	10 - 109
2456103	Norflurazon	85.3	77.9	P/P	36 - 134
2456103	Octinoxate	112	122	P/P	18 - 170
2456103	Oxadiazon	52.4	56.0	P/P	43 - 112
2456103	Oxybenzone	81.1	88.4	P/P	33 - 154
2456103	Oxyfluorfen	78.9	86.6	P/P	62 - 154
2456103	Parathion Ethyl	97.3	101	P/P	65 - 120
2456103	Parathion Methyl	121	112	P/P	77 - 185
2456103	PBB-153	71.9	83.2	P/P	23 - 193
2456103	PBDE-47	76.3	80.8	P/P	31 - 139
2456103	PBDE-99	73.1	80.8	P/P	24 - 138
2456103	Pendimethalin	93.6	119	P/P	50 - 146
2456103	Pentabromotoluene	80.7	88.7	P/P	54 - 152
2456103	Phenytoin	87.4	86.9	P/P	10 - 157
2456103	Phorate	76.3	57.4	P/P	54 - 161
2456103	Prodiamine	95.5	76.1	P/P	29 - 160
2456103	Prometon	106	122	P/P	38 - 145
2456103	Prometryn	105	94.5	P/P	32 - 151
2456103	Pronamide	134	108	P/P	61 - 140
2456103	Propanil	66.4	66.1	P/P	50 - 147
2456103	Propargite	77.7	84.2	P/P	10 - 190
2456103	Propiconazole	109	91.7	P/P	30 - 146
2456103	Pyraflufen Ethyl	97.5	83.3	P/P	30 - 147
2456103	Pyridaben	107	102	P/P	15 - 195
2456103	Pyriproxyfen	86.8	88.7	P/P	31 - 218
2456103	Simazine	134	128	P/P	45 - 139
2456103	Stirophos	52.7	53.6	P/P	10 - 134
2456103	Sulfentrazone	79.2	73.7	P/P	53 - 186
2456103	Tebuconazole	77.6	80.9	P/P	10 - 133
2456103	Terbufos	15.9	20.6	F/F	65 - 151
2456103	Terbutylazine	96.5	85.0	P/P	62 - 117
2456103	Tetradecachloro-m-terphenyl	68.5	98.7	P/P	10 - 260
2456103	Thiobencarb	89.2	85.2	P/P	48 - 122
2456103	Tri-o-cresyl Phosphate	89.1	98.1	P/P	32 - 151
2456103	Triadimefon	68.3	79.3	P/P	46 - 124
2456103	Tris(2-chloroethyl) phosphate (TCEP)	81.8	93.0	P/P	65 - 156

Reference Method: EPA 8276

Batch ID: P438882

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456514	Chlordane	62.5	74.3	P/P	43 - 123
2456514	Toxaphene	77.3	98.8	P/P	27 - 156

Reference Method: SM 4500-F- C-2011

Batch ID: P439121

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
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Quality Assurance Report

Matrix Spike Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P439121

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456018	Fluoride	102	101	P/P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P439122

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456913	Fluoride	103	102	P/P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P439102

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456505	Organic Carbon	101	101	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P438917

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456445	Color (true)	2.39	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P438924

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456402	Turbidity	1.33	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439334

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456443	Chloride	2.17	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439337

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456443	Sulfate	1.56	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438991

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456451	Ammonia-N	1.57	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P439061

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2454259	Ammonia-N	0.685	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439487

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456453	Kjeldahl Nitrogen	4.92	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P439172

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456251	NO2NO3-N	0.0	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439043

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456456	Total-P	2.87	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P439044

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456517	Total-P	2.30	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P438913

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456518	O-Phosphate-P	0.174	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P438882

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456514	PCB-1016	0.0537	Spike	P	0 - 25
2456514	PCB-1260	4.88	Spike	P	0 - 30
2456681	Aldrin	5.75	Spike	P	0 - 41
2456681	Alpha-BHC	6.30	Spike	P	0 - 25
2456681	Alpha-Chlordane	4.49	Spike	P	0 - 32
2456681	Beta-BHC	8.55	Spike	P	0 - 33
2456681	Beta-Cyfluthrin	7.62	Spike	P	0 - 43
2456681	Bifenthrin	23.2	Spike	P	0 - 52
2456681	Chlorothalonil	9.15	Spike	P	0 - 82
2456681	Cis-Nonachlor	22.6	Spike	P	0 - 33
2456681	Cypermethrin	15.5	Spike	P	0 - 51
2456681	Dacthal	3.05	Spike	P	0 - 27
2456681	DDD-p,p'	27.9	Spike	P	0 - 39
2456681	DDE-p,p'	11.1	Spike	P	0 - 31
2456681	DDT-p,p'	0.181	Spike	P	0 - 29
2456681	Delta-BHC	4.55	Spike	P	0 - 35
2456681	Deltamethrin	16.9	Spike	P	0 - 100
2456681	Dichlobenil	63.9	Spike	F	0 - 40
2456681	Dicofol	0.376	Spike	P	0 - 37
2456681	Dieldrin	12.6	Spike	P	0 - 27
2456681	Endosulfan I	1.73	Spike	P	0 - 23
2456681	Endosulfan II	20.7	Spike	P	0 - 34
2456681	Endosulfan Sulfate	4.80	Spike	P	0 - 36
2456681	Endrin	2.86	Spike	P	0 - 45
2456681	Endrin Aldehyde	1.25	Spike	P	0 - 76
2456681	Endrin Ketone	18.9	Spike	P	0 - 43
2456681	Esfenvalerate	29.2	Spike	P	0 - 51
2456681	Ethalfuralin	1.02	Spike	P	0 - 22
2456681	Fenpropathrin	13.0	Spike	P	0 - 49
2456681	Gamma-BHC	7.20	Spike	P	0 - 28

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P438882

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456681	Gamma-Chlordane	5.28	Spike	P	0 - 40
2456681	Heptachlor	13.3	Spike	P	0 - 29
2456681	Heptachlor Epoxide	1.96	Spike	P	0 - 33
2456681	Hexachlorobenzene	22.0	Spike	P	0 - 36
2456681	Kepone	2.32	Spike	P	0 - 85
2456681	Lambda-Cyhalothrin	6.34	Spike	P	0 - 55
2456681	Methoprene	4.28	Spike	P	0 - 53
2456681	Methoxychlor	18.0	Spike	P	0 - 50
2456681	MGK-264	1.58	Spike	P	0 - 43
2456681	Mirex	2.28	Spike	P	0 - 40
2456681	Oxychlordane	1.91	Spike	P	0 - 31
2456681	Permethrin	0.356	Spike	P	0 - 50
2456681	Phenothrin	6.05	Spike	P	0 - 58
2456681	Piperonyl Butoxide	0.986	Spike	P	0 - 100
2456681	Prallethrin	0.725	Spike	P	0 - 39
2456681	Tau-Fluvalinate	24.8	Spike	P	0 - 54
2456681	Tetramethrin	13.6	Spike	P	0 - 51
2456681	Trans-Nonachlor	1.24	Spike	P	0 - 39
2456681	Triclosan Methyl	5.36	Spike	P	0 - 31
2456681	Trifluralin	14.6	Spike	P	0 - 22

Reference Method: EPA 8270E

Batch ID: P439019

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456103	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	0.559	Spike	P	0 - 30
2456103	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	14.2	Spike	P	0 - 35
2456103	Acetochlor	27.8	Spike	P	0 - 28
2456103	Alachlor	19.5	Spike	P	0 - 30
2456103	Ametryn	2.74	Spike	P	0 - 32
2456103	Atrazine	4.42	Spike	P	0 - 33
2456103	Atrazine Desethyl	7.07	Spike	P	0 - 36
2456103	Avobenzene	29.2	Spike	P	0 - 35
2456103	Azinphos Methyl	5.98	Spike	P	0 - 62
2456103	Azoxystrobin	9.83	Spike	P	0 - 39
2456103	Bromacil	4.51	Spike	P	0 - 33
2456103	Butylate	1.22	Spike	P	0 - 51
2456103	Caffeine	7.12	Spike	P	0 - 100
2456103	Carbophenothion	0.720	Spike	P	0 - 34
2456103	Carfentrazone Ethyl	5.77	Spike	P	0 - 33
2456103	Chlorfenapyr	1.15	Spike	P	0 - 28
2456103	Chlorpyrifos Ethyl	18.1	Spike	P	0 - 31
2456103	Chlorpyrifos Methyl	26.3	Spike	P	0 - 27
2456103	Coumaphos	6.68	Spike	P	0 - 62
2456103	Cyanazine	6.13	Spike	P	0 - 48
2456103	Cyprodinil	20.5	Spike	P	0 - 29
2456103	Dechlorane 602	5.35	Spike	P	0 - 60
2456103	Dechlorane 603	11.9	Spike	P	0 - 40
2456103	Dechlorane Plus	19.3	Spike	P	0 - 38
2456103	Demeton	1.82	Spike	P	0 - 33

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P439019

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456103	Diazinon	6.67	Spike	P	0 - 32
2456103	Difenoconazole	14.3	Spike	P	0 - 71
2456103	Dimethenamid	0.173	Spike	P	0 - 60
2456103	Dimethomorph	23.5	Spike	P	0 - 61
2456103	Dithiopyr	9.89	Spike	P	0 - 28
2456103	EPTC	19.4	Spike	P	0 - 56
2456103	Ethion	11.5	Spike	P	0 - 79
2456103	Ethoprop	11.0	Spike	P	0 - 31
2456103	Etridiazole	25.8	Spike	P	0 - 43
2456103	Fenamiphos	0.356	Spike	P	0 - 43
2456103	Fenbuconazole	1.59	Spike	P	0 - 79
2456103	Fipronil	12.9	Spike	P	0 - 46
2456103	Fipronil Desulfanyl	20.0	Spike	P	0 - 36
2456103	Fipronil Sulfide	8.39	Spike	P	0 - 34
2456103	Fipronil Sulfone	1.83	Spike	P	0 - 47
2456103	Fluazifop-P-butyl	7.80	Spike	P	0 - 38
2456103	Fludioxonil	0.504	Spike	P	0 - 29
2456103	Flumioxazin	18.1	Spike	P	0 - 63
2456103	Flutolanil	1.32	Spike	P	0 - 36
2456103	Fluxapyroxad	1.43	Spike	P	0 - 65
2456103	Hexabromobenzene	10.1	Spike	P	0 - 41
2456103	Hexazinone	4.10	Spike	P	0 - 31
2456103	Imazalil	13.0	Spike	P	0 - 52
2456103	Iprodione	20.7	Spike	P	0 - 49
2456103	Loratadine	4.63	Spike	P	0 - 59
2456103	Malathion	1.44	Spike	P	0 - 77
2456103	Metalaxyl	15.7	Spike	P	0 - 76
2456103	Metolachlor	1.23	Spike	P	0 - 29
2456103	Metribuzin	11.8	Spike	P	0 - 51
2456103	Mevinphos	2.75	Spike	P	0 - 31
2456103	Molinate	16.8	Spike	P	0 - 39
2456103	Myclobutanil	4.07	Spike	P	0 - 34
2456103	Naled	1.66	Spike	P	0 - 37
2456103	Napropamide	0.421	Spike	P	0 - 100
2456103	Norflurazon	9.12	Spike	P	0 - 54
2456103	Octinoxate	8.58	Spike	P	0 - 35
2456103	Oxadiazon	4.92	Spike	P	0 - 34
2456103	Oxybenzone	8.65	Spike	P	0 - 35
2456103	Oxyfluorfen	9.37	Spike	P	0 - 28
2456103	Parathion Ethyl	3.79	Spike	P	0 - 31
2456103	Parathion Methyl	7.83	Spike	P	0 - 29
2456103	PBB-153	14.5	Spike	P	0 - 49
2456103	PBDE-47	5.75	Spike	P	0 - 36
2456103	PBDE-99	9.92	Spike	P	0 - 46
2456103	Pendimethalin	23.9	Spike	P	0 - 31
2456103	Pentabromotoluene	9.45	Spike	P	0 - 16
2456103	Phenytoin	0.300	Spike	P	0 - 100
2456103	Phorate	28.2	Spike	P	0 - 36
2456103	Prodiamine	22.7	Spike	P	0 - 68
2456103	Prometon	14.2	Spike	P	0 - 35
2456103	Prometryn	11.0	Spike	P	0 - 33

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P439019

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456103	Pronamide	20.9	Spike	P	0 - 24
2456103	Propanil	0.450	Spike	P	0 - 28
2456103	Propargite	8.09	Spike	P	0 - 53
2456103	Propiconazole	10.7	Spike	P	0 - 44
2456103	Pyraflufen Ethyl	15.6	Spike	P	0 - 61
2456103	Pyridaben	4.73	Spike	P	0 - 43
2456103	Pyriproxyfen	2.21	Spike	P	0 - 82
2456103	Simazine	4.06	Spike	P	0 - 29
2456103	Stirophos	1.57	Spike	P	0 - 100
2456103	Sulfentrazone	4.85	Spike	P	0 - 64
2456103	Tebuconazole	1.93	Spike	P	0 - 76
2456103	Terbufos	26.3	Spike	P	0 - 29
2456103	Terbuthylazine	12.7	Spike	P	0 - 28
2456103	Tetradecachloro-m-terphenyl	36.1	Spike	P	0 - 42
2456103	Thiobencarb	4.56	Spike	P	0 - 26
2456103	Tri-o-cresyl Phosphate	9.65	Spike	P	0 - 24
2456103	Triadimefon	14.8	Spike	P	0 - 40
2456103	Tris(1-chloro-2-propyl) phosphate (TCPP)	8.32	Spike	P	0 - 30
2456103	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	0.694	Spike	P	0 - 22
2456103	Tris(2-chloroethyl) phosphate (TCEP)	10.6	Spike	P	0 - 15

Reference Method: EPA 8276

Batch ID: P438882

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456514	Chlordane	17.3	Spike	P	0 - 28
2456514	Toxaphene	24.3	Spike	P	0 - 27

Reference Method: SM 2320 B-2011

Batch ID: P439118

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456018	Total Alkalinity	0.763	Sample	P	0 - 3.9

Reference Method: SM 2320 B-2011

Batch ID: P439119

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456913	Total Alkalinity	0.584	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015

Batch ID: P439353

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456018	TDS	0.0	Sample	P	0 - 10

Quality Assurance Report Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P439121

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456018	Fluoride	0.516	Spike	P	0 - 1.9

Reference Method: SM 4500-F- C-2011
Batch ID: P439122

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456913	Fluoride	0.993	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P439102

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456505	Organic Carbon	0.0213	Spike	P	0 - 15

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

Quality Assurance Report Surrogates

Lab Sample ID: 2456514
Field Sample ID: G2NE1212

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	62.6	P	37 - 129
EPA 8270E	Decachlorobiphenyl	80.2	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	52.1	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	62.5	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	47.8	P	28 - 102
EPA 8276	PCNB	107	P	49 - 115

Lab Sample ID: 2456515
Field Sample ID: G2NE1212

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	50.3	P	20 - 200
EPA 8270E	Simazine-d10	66.8	P	58 - 137
EPA 8270E	Terbufos-d10	78.0	P	50 - 134
EPA 8270E	Terphenyl-d14	69.1	P	44 - 134

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A123198

Included Lab Sample IDs: 2456509

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	99.9	99.8	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A123200

Included Lab Sample IDs: 2456503, 2456504, 2456507

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	102	101	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A123202

Included Lab Sample IDs: 2456503, 2456504, 2456507

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.5	100	P/P	95 - 105

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A123230

Included Lab Sample IDs: 2456505, 2456506

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.7	98.6	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A123264

Included Lab Sample IDs: 2456508

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.8	97.4	P/P	90 - 110

Reference Method: SM 5310 B-2014

Run ID: A123280

Included Lab Sample IDs: 2456505, 2456506, 2456508

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	123	96.2	P/P	70 - 130

Reference Method: SM 2320 B-2011

Run ID: A123283

Included Lab Sample IDs: 2456503, 2456504, 2456507

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.1	98.2	P/P	90 - 110
Total Alkalinity	99.9	95.1	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A123283

Included Lab Sample IDs: 2456503, 2456504, 2456507

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	102	104	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 4500-F- C-2011

Run ID: A123283

Included Lab Sample IDs: 2456503, 2456504, 2456507

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	104	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A123291

Included Lab Sample IDs: 2456505, 2456506, 2456508

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	97.2	98.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A123304

Included Lab Sample IDs: 2456505, 2456506, 2456508

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A123338

Included Lab Sample IDs: 2456503, 2456504, 2456507

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.9	104	P/P	90 - 110
Chloride	99.9	99.9	P/P	90 - 110
Sulfate	100	104	P/P	90 - 110
Sulfate	99.8	100	P/P	90 - 110

Reference Method: EPA 8276

Run ID: A123401

Included Lab Sample IDs: 2456514

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	96.7		P	80 - 120
Toxaphene	97.3		P	80 - 120

Reference Method: EPA 8270E

Run ID: A123444

Included Lab Sample IDs: 2456514

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	105		P	80 - 120
Alpha-BHC	98.0		P	80 - 120
Alpha-Chlordane	110		P	80 - 120
Beta-BHC	105		P	80 - 120
Beta-Cyfluthrin	99.4		P	80 - 120
Bifenthrin	114		P	80 - 120
Chlorothalonil	97.7		P	80 - 120
Cis-Nonachlor	95.8		P	80 - 120
Cypermethrin	96.5		P	80 - 120
Dacthal	86.8		P	80 - 120
DDD-p,p'	104		P	80 - 120
DDE-p,p'	110		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A123444
Included Lab Sample IDs: 2456514

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
DDT-p,p'	102		P	80 - 120
Delta-BHC	105		P	80 - 120
Deltamethrin	100		P	80 - 120
Dichlobenil	111		P	80 - 120
Dicofol	96.7		P	80 - 120
Dieldrin	104		P	80 - 120
Endosulfan I	102		P	80 - 120
Endosulfan II	97.5		P	80 - 120
Endosulfan Sulfate	97.8		P	80 - 120
Endrin	104		P	80 - 120
Endrin Aldehyde	100		P	80 - 120
Endrin Ketone	101		P	80 - 120
Esfenvalerate	103		P	80 - 120
Ethalfuralin	93.4		P	80 - 120
Fenpropathrin	110		P	80 - 120
Gamma-BHC	111		P	80 - 120
Gamma-Chlordane	115		P	80 - 120
Heptachlor	115		P	80 - 120
Heptachlor Epoxide	98.0		P	80 - 120
Hexachlorobenzene	99.6		P	80 - 120
Kepone	101		P	80 - 120
Lambda-Cyhalothrin	96.5		P	80 - 120
Methoprene	100		P	80 - 120
Methoxychlor	107		P	80 - 120
MGK-264	116		P	80 - 120
Mirex	104		P	80 - 120
Oxychlordane	113		P	80 - 120
Permethrin	98.1		P	80 - 120
Phenothrin	99.9		P	80 - 120
Piperonyl Butoxide	110		P	80 - 120
Prallethrin	102		P	80 - 120
Tau-Fluvalinate	100		P	80 - 120
Tetramethrin	101		P	80 - 120
Trans-Nonachlor	105		P	80 - 120
Triclosan Methyl	109		P	80 - 120
Trifluralin	99.2		P	80 - 120

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A123480
Included Lab Sample IDs: 2456505, 2456506, 2456508

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	108	104	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A123481
Included Lab Sample IDs: 2456514

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	92.8		P	80 - 120
PCB-1260	83.2		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A123510
Included Lab Sample IDs: 2456515

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	107		P	80 - 120
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	97.3		P	80 - 120
Avobenzone	107		P	80 - 120
Dechlorane 602	114		P	80 - 120
Dechlorane 603	111		P	80 - 120
Dechlorane Plus	110		P	80 - 120
Hexabromobenzene	87.9		P	80 - 120
Octinoxate	104		P	80 - 120
Oxybenzone	103		P	80 - 120
PBB-153	101		P	80 - 120
PBDE-47	102		P	80 - 120
PBDE-99	106		P	80 - 120
Pentabromotoluene	104		P	80 - 120
Tetradecachloro-m-terphenyl	102		P	80 - 120
Tri-o-cresyl Phosphate	113		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	104		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	98.0		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	107		P	80 - 120

Reference Method: EPA 8270E
Run ID: A123555
Included Lab Sample IDs: 2456515

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	93.4		P	80 - 120
Alachlor	113		P	80 - 120
Ametryn	98.6		P	80 - 120
Atrazine	110		P	80 - 120
Atrazine Desethyl	68.1*		F	80 - 120
Azinphos Methyl	90.7		P	80 - 120
Azoxystrobin	104		P	80 - 120
Bromacil	107		P	80 - 120
Butylate	91.4		P	80 - 120
Caffeine	95.9		P	80 - 120
Carbophenothion	112		P	80 - 120
Carfentrazone Ethyl	103		P	80 - 120
Chlorfenapyr	104		P	80 - 120
Chlorpyrifos Ethyl	94.2		P	80 - 120
Chlorpyrifos Methyl	80.1		P	80 - 120
Coumaphos	96.7		P	80 - 120
Cyanazine	88.9		P	80 - 120
Cyprodinil	111		P	80 - 120
Demeton	112		P	80 - 120
Diazinon	129*		F	80 - 120
Difenoconazole	97.6		P	80 - 120
Dimethenamid	116		P	80 - 120
Dimethomorph	97.9		P	80 - 120
Disulfoton	71.3*		F	80 - 120
Dithiopyr	116		P	80 - 120
EPTC	115		P	80 - 120
Ethion	118		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
 Run ID: A123555
 Included Lab Sample IDs: 2456515

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ethoprop	107		P	80 - 120
Etridiazole	115		P	80 - 120
Fenamiphos	110		P	80 - 120
Fenbuconazole	104		P	80 - 120
Fipronil	93.7		P	80 - 120
Fipronil Desulfinyl	84.0		P	80 - 120
Fipronil Sulfide	83.6		P	80 - 120
Fipronil Sulfone	107		P	80 - 120
Fluazifop-P-butyl	111		P	80 - 120
Fludioxonil	104		P	80 - 120
Flumioxazin	93.4		P	80 - 120
Flutolanil	107		P	80 - 120
Fluxapyroxad	90.1		P	80 - 120
Fonofos	184*		F	80 - 120
Hexazinone	101		P	80 - 120
Imazalil	112		P	80 - 120
Iprodione	98.2		P	80 - 120
Loratadine	84.4		P	80 - 120
Malathion	98.8		P	80 - 120
Metalaxyl	104		P	80 - 120
Metolachlor	94.1		P	80 - 120
Metribuzin	107		P	80 - 120
Mevinphos	107		P	80 - 120
Molinate	117		P	80 - 120
Myclobutanil	113		P	80 - 120
Naled	85.4		P	80 - 120
Napropamide	116		P	80 - 120
Norflurazon	114		P	80 - 120
Oxadiazon	105		P	80 - 120
Oxyfluorfen	112		P	80 - 120
Parathion Ethyl	104		P	80 - 120
Parathion Methyl	94.1		P	80 - 120
Pendimethalin	119		P	80 - 120
Phenytoin	110		P	80 - 120
Phorate	80.5		P	80 - 120
Prodiamine	90.3		P	80 - 120
Prometon	115		P	80 - 120
Prometryn	112		P	80 - 120
Pronamide	99.1		P	80 - 120
Propanil	102		P	80 - 120
Propargite	108		P	80 - 120
Propiconazole	114		P	80 - 120
Pyraflufen Ethyl	113		P	80 - 120
Pyridaben	93.4		P	80 - 120
Pyriproxyfen	84.5		P	80 - 120
Simazine	87.5		P	80 - 120
Stirophos	106		P	80 - 120
Sulfentrazone	99.1		P	80 - 120
Tebuconazole	96.2		P	80 - 120
Terbufos	123*		F	80 - 120
Terbutylazine	94.5		P	80 - 120

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8270E
Run ID: A123555
Included Lab Sample IDs: 2456515

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Thiobencarb	94.2		P	80 - 120
Triadimefon	83.0		P	80 - 120

* 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	MS
DEP SOP: NU-094-1	Color (true)	103			2.39	
EPA 180.1 Rev. 2.0	Turbidity	104			1.33	
EPA 300.0 Rev. 2.1	Chloride	102	101	99.0	2.17	
	Sulfate	102	98.6	98.8	1.56	
EPA 350.1 Rev. 2.0	Ammonia-N	95.2	96.8	98.4		1.57
	Ammonia-N	96.0	97.4	98.4		0.685
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	96.9	104	98.2		4.92
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	100	94.8	94.8		0.0
EPA 365.1 Rev. 2.0	Total-P	103	105	108		2.87
	Total-P	106	108	106		2.30
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.4	99.3	99.1		0.174
EPA 8270E	2-(2H-benzotriazol-2-yl)-4,6-ditertpe ntylphenol (UV-328)	123	75.6	76.1		0.559
	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	89.4	72.3	83.3		14.2
	Acetochlor	134	116	87.5		27.8
	Alachlor	118	104	85.7		19.5
	Aldrin	53.6	47.1	44.5		5.75
	Alpha-BHC	79.1	73.0	68.5		6.30
	Alpha-Chlordane	70.5				4.49
	Ametryn	124	107	110		2.74
	Atrazine	111				4.42
	Atrazine Desethyl	104	100	93.2		7.07
	Avobenzone	143	67.3	90.3		29.2
	Azinphos Methyl	139	99.4	106		5.98
	Azoxystrobin	111	75.4	90.0		9.83
	Beta-BHC	93.9	80.0	73.5		8.55
	Beta-Cyfluthrin	51.8	61.1	65.9		7.62
	Bifenthrin	48.0	57.3	72.4		23.2
	Bromacil	124	88.6	94.3		4.51
	Butylate	65.1	33.0	32.6		1.22
	Caffeine	88.3				7.12
	Carbophenothion	89.1	73.8	74.3		0.720
	Carfentrazone Ethyl	95.4	95.6	90.2		5.77
	Chlorfenapyr	75.6	75.1	73.2		1.15
	Chlorothalonil	54.8	103	113		9.15
	Chlorpyrifos Ethyl	112	75.3	90.4		18.1
	Chlorpyrifos Methyl	129	119	91.6		26.3
	Cis-Nonachlor	79.0	49.8	62.5		22.6
	Coumaphos	104	85.2	91.0		6.68
	Cyanazine	167	108	114		6.13
	Cypermethrin	47.6	63.9	74.6		15.5
	Cyprodinil	116	94.6	116		20.5
	Dacthal	75.4	61.9	60.0		3.05
	DDD-p,p'	79.2	54.7	72.4		27.9
	DDE-p,p'	80.1	56.3	62.9		11.1
	DDT-p,p'	77.8	53.5	53.6		0.181
	Dechlorane 602	113	72.5	68.7		5.35
	Dechlorane 603	86.7	78.9	88.9		11.9
	Dechlorane Plus	93.0	71.4	86.6		19.3
	Delta-BHC	96.3	88.8	84.9		4.55
	Deltamethrin	57.1	48.6	57.6		16.9
	Demeton	98.6	58.3	59.4		1.82

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision SMP	MS
EPA 8270E	Diazinon	126		79.6	85.1			6.67
	Dichlobenil	92.7		64.1	124			63.9
	Dicofol	72.7		62.2	62.5			0.376
	Dieldrin	81.9						12.6
	Difenoconazole	106		91.4	105			14.3
	Dimethenamid	117		76.7	76.5			0.173
	Dimethomorph	105		81.1	103			23.5
	Disulfoton	142		0.0	0.0			
	Dithiopyr	117		64.2	58.1			9.89
	Endosulfan I	79.7		68.6	67.4			1.73
	Endosulfan II	91.5		73.3	90.2			20.7
	Endosulfan Sulfate	83.9		64.7	67.9			4.80
	Endrin	79.9		69.5	71.6			2.86
	Endrin Aldehyde	73.4		50.5	49.9			1.25
	Endrin Ketone	80.3		66.1	81.1			18.9
	EPTC	67.5		34.4	41.8			19.4
	Esfenvalerate	63.2		64.4	86.5			29.2
	Ethalfuralin	78.1		73.4	72.6			1.02
	Ethion	87.3		76.9	68.5			11.5
	Ethoprop	113		104	117			11.0
	Etridiazole	81.9		37.5	48.6			25.8
	Fenamiphos	122		34.6	34.7			0.356
	Fenbuconazole	126		107	105			1.59
	Fenpropathrin	66.7		64.7	73.6			13.0
	Fipronil	95.6						12.9
	Fipronil Desulfinyl	101		80.7	62.1			20.0
	Fipronil Sulfide	87.0		50.3	34.7			8.39
	Fipronil Sulfone	85.3		75.0	71.8			1.83
	Fluazifop-P-butyl	87.6		68.8	63.7			7.80
	Fludioxonil	90.6		75.2	75.9			0.504
	Flumioxazin	109		87.4	105			18.1
	Flutolanil	107		85.4	84.3			1.32
	Fluxapyroxad	108		76.2	77.5			1.43
	Fonofos	122		0.0	0.0			
	Gamma-BHC	102		81.3	75.6			7.20
	Gamma-Chlordane	83.9		44.4	49.7			5.28
	Heptachlor	76.3		57.8	66.0			13.3
	Heptachlor Epoxide	84.0						1.96
	Hexabromobenzene	76.9		82.0	90.7			10.1
	Hexachlorobenzene	61.0		52.9	66.1			22.0
	Hexazinone	118		92.1	95.9			4.10
	Imazalil	110		117	133			13.0
	Iprodione	120		106	86.1			20.7
	Kepone	138		130	127			2.32
	Lambda-Cyhalothrin	48.1		67.6	72.0			6.34
	Loratadine	93.0						4.63
	Malathion	122		80.9	79.7			1.44
	Metalaxyl	101		65.8	77.0			15.7
	Methoprene	46.6		56.5	59.0			4.28
	Methoxychlor	77.6		65.9	78.9			18.0
	Metolachlor	98.9		70.4	71.3			1.23
	Metribuzin	105		97.5	85.8			11.8
	Mevinphos	105		99.6	102			2.75
	MGK-264	94.7		71.8	73.0			1.58

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision LCS	SMP	MS
EPA 8270E	Mirex	60.8	55.2	54.0			2.28
	Molinate	79.7	51.4	43.4			16.8
	Myclobutanil	111	102	97.5			4.07
	Naled	49.9	65.5	66.6			1.66
	Napropamide	97.9	62.0	62.2			0.421
	Norflurazon	109	77.9	85.3			9.12
	Octinoxate	182	112	122			8.58
	Oxadiazon	81.4	56.0	52.4			4.92
	Oxybenzone	113	81.1	88.4			8.65
	Oxychlordane	79.4	78.1	79.6			1.91
	Oxyfluorfen	103	86.6	78.9			9.37
	Parathion Ethyl	114	101	97.3			3.79
	Parathion Methyl	115	112	121			7.83
	PBB-153	70.7	71.9	83.2			14.5
	PBDE-47	103	76.3	80.8			5.75
	PBDE-99	108	73.1	80.8			9.92
	PCB-1016	67.3	57.4	57.3			0.0537
	PCB-1260	62.8	53.1	55.7			4.88
	Pendimethalin	129	119	93.6			23.9
	Pentabromotoluene	106	80.7	88.7			9.45
	Permethrin	68.8	68.0	68.3			0.356
	Phenothrin	52.1	55.2	58.7			6.05
	Phenytoin	137	86.9	87.4			0.300
	Phorate	115	57.4	76.3			28.2
	Piperonyl Butoxide	92.2	73.4	74.2			0.986
	Prallethrin	91.0	60.0	59.6			0.725
	Prodiamine	125	76.1	95.5			22.7
	Prometon	120	122	106			14.2
	Prometryn	124	94.5	105			11.0
	Pronamide	147	108	134			20.9
	Propanil	93.9	66.1	66.4			0.450
	Propargite	114	84.2	77.7			8.09
	Propiconazole	112	91.7	109			10.7
	Pyraflufen Ethyl	110	83.3	97.5			15.6
	Pyridaben	131	102	107			4.73
	Pyriproxyfen	108	88.7	86.8			2.21
	Simazine	111	128	134			4.06
	Stirophos	72.2	53.6	52.7			1.57
	Sulfentrazone	108	73.7	79.2			4.85
	Tau-Fluvalinate	54.5	55.5	71.1			24.8
	Tebuconazole	113	80.9	77.6			1.93
	Terbufos	105	20.6	15.9			26.3
	Terbuthylazine	109	85.0	96.5			12.7
	Tetradecachloro-m-terphenyl	96.3	98.7	68.5			36.1
	Tetramethrin	47.0	77.5	67.7			13.6
	Thiobencarb	109	85.2	89.2			4.56
	Trans-Nonachlor	77.3	63.3	62.1			1.24
	Tri-o-cresyl Phosphate	132	89.1	98.1			9.65
	Triadimefon	92.2	79.3	68.3			14.8
	Triclosan Methyl	82.1	59.9	63.2			5.36
	Trifluralin	68.4	67.4	58.2			14.6
	Tris(1-chloro-2-propyl) phosphate (TCPP)	105					8.32

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	MS
EPA 8270E	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	118				0.694
	Tris(2-chloroethyl) phosphate (TCEP)	119	93.0	81.8		10.6
EPA 8276	Chlordane	71.7	62.5	74.3		17.3
	Toxaphene	77.0	77.3	98.8		24.3
SM 2320 B-2011	Total Alkalinity	95.8			0.763	
	Total Alkalinity	99.3			0.584	
SM 2540 C-2015	TDS	98.0			0.0	
SM 2540 D-2015	TSS	96.0				
SM 4500-F- C-2011	Fluoride	102	102	101		0.516
	Fluoride	104	103	102		0.993
SM 5310 B-2014	Organic Carbon	99.3	101	101		0.0213

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2456503, 2456504, 2456507
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2456503, 2456504, 2456507
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2456503, 2456504, 2456507
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2456503, 2456504, 2456507
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2456505, 2456506, 2456508
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2456505, 2456506, 2456508
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2456505, 2456506, 2456508
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2456505, 2456506, 2456508
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2456509
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2456515
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2456514
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2456515
EPA 8270E	PCBs in water matrices by GC/MS/MS	2456514
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2456514
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2456503, 2456504, 2456507
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2456503, 2456504, 2456507
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2456503, 2456504, 2456507
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2456503, 2456504, 2456507
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2456505, 2456506, 2456508

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	12/13/2023			12/13/2023 15:36	Chandler E Cox	2456503, 2456504
	12/13/2023			12/13/2023 15:37	Chandler E Cox	2456507
	12/13/2023			12/13/2023 15:26	Anna M. Plaviak	2456503
EPA 180.1 Rev. 2.0	12/13/2023			12/13/2023 15:28	Anna M. Plaviak	2456504
	12/13/2023			12/13/2023 15:30	Anna M. Plaviak	2456507
	12/13/2023			12/21/2023 03:18	James L Waggeberby	2456503
EPA 300.0 Rev. 2.1	12/13/2023			12/21/2023 06:49	James L Waggeberby	2456504
	12/13/2023			12/21/2023 07:04	James L Waggeberby	2456507
	12/13/2023			12/14/2023 14:16	Khloe J Berg	2456505
EPA 350.1 Rev. 2.0	12/13/2023			12/14/2023 14:17	Khloe J Berg	2456506
	12/13/2023			12/15/2023 12:38	Ping Hua	2456508
	12/13/2023	12/28/2023 12:25	Simonne.V. Calhoun	01/03/2024 15:23	Samantha L Bates	2456505
EPA 351.2 Rev. 2.0	12/13/2023	12/28/2023 12:25	Simonne.V. Calhoun	01/03/2024 15:24	Samantha L Bates	2456506
	12/13/2023	12/28/2023 12:25	Simonne.V. Calhoun	01/03/2024 15:26	Samantha L Bates	2456508
	12/13/2023			12/18/2023 12:35	Fadila Guebre	2456505
EPA 353.2 Rev. 2.0	12/13/2023			12/18/2023 12:37	Fadila Guebre	2456506
	12/13/2023			12/18/2023 12:38	Fadila Guebre	2456508
	12/13/2023	12/15/2023 12:55	Adam P Silver	12/18/2023 12:58	Elise M. Gillis	2456505
EPA 365.1 Rev. 2.0	12/13/2023	12/15/2023 12:55	Adam P Silver	12/18/2023 13:00	Elise M. Gillis	2456508
	12/13/2023	12/15/2023 12:55	Adam P Silver	12/18/2023 13:04	Elise M. Gillis	2456506
	12/13/2023			12/13/2023 14:30	Elise M. Gillis	2456509
EPA 365.1 Rev. 2.0 dissolved	12/13/2023			12/13/2023 14:30	Elise M. Gillis	2456509
EPA 8270E	12/13/2023	12/18/2023 08:30	Rasheda Ghaffari	01/05/2024 01:14	Arthur Maknenko	2456515
	12/13/2023	12/18/2023 08:30	Rasheda Ghaffari	12/23/2023 23:58	Vandana T. Nagar	2456515
	12/13/2023	12/19/2023 08:15	Rasheda Ghaffari	01/03/2024 19:04	Lipi Saha	2456514
	12/13/2023	12/19/2023 08:15	Rasheda Ghaffari	12/28/2023 05:13	Julie Wi	2456514
EPA 8276	12/13/2023	12/19/2023 08:15	Rasheda Ghaffari	12/22/2023 07:53	Kenedi Mills	2456514
SM 2320 B-2011	12/13/2023			12/16/2023 03:37	Chandler E Cox	2456503
	12/13/2023			12/16/2023 05:18	Chandler E Cox	2456504
	12/13/2023			12/16/2023 05:27	Chandler E Cox	2456507
SM 2540 C-2015	12/13/2023			12/15/2023 15:49	Yijie Li	2456503, 2456504, 2456507
SM 2540 D-2015	12/13/2023			12/15/2023 15:49	Yijie Li	2456503, 2456504, 2456507
SM 4500-F- C-2011	12/13/2023			12/16/2023 03:37	Chandler E Cox	2456503
	12/13/2023			12/16/2023 05:18	Chandler E Cox	2456504
	12/13/2023			12/16/2023 05:27	Chandler E Cox	2456507
SM 5310 B-2014	12/13/2023			12/16/2023 11:53	Kenneth H Lee	2456505
	12/13/2023			12/16/2023 14:04	Kenneth H Lee	2456506
	12/13/2023			12/16/2023 14:18	Kenneth H Lee	2456508