

Chemical Analysis Report

NE-DIST-2023-07-26-01

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

Event Description: **LSJR South Lake 2023**
Request ID: **RQ-2023-07-24-43**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
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8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
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Certified by: Chris Bowen, Environmental Administrator

Date Certified: 14-AUG-2023 13:04



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: 07/25/2023 09:20

Field ID: G2NE1218

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2426745	DEP SOP: NU-094-1	Color (true)	19		PCU	P433046	
	EPA 180.1 Rev. 2.0	Turbidity	0.90	I	NTU	P433058	
	EPA 300.0 Rev. 2.1	Chloride	14		mg Cl/L	P433207	
		Sulfate	8.3		mg SO4/L	P433209	
	SM 2320 B-2011	Total Alkalinity	4.1		mg CaCO3/L	P433353	
	SM 2540 C-2015	TDS	45		mg/L	P433343	
	SM 2540 D-2015	TSS	3	I	mg/L	P433236	
	SM 4500-F- C-2011	Fluoride	0.029	I	mg F/L	P433356	
2426747	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P433392	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.45		mg N/L	P433102	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P433112	
	EPA 365.1 Rev. 2.0	Total-P	0.013		mg P/L	P433298	
	SM 5310 B-2011	Organic Carbon	6.2		mg C/L	P433314	

Ref. Method and Comment:

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

SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: SILVER LAKE CENTER

Collection Date/Time: 07/25/2023 12:45

Field ID: G2NE1132

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2426746	DEP SOP: NU-094-1	Color (true)	210		PCU	P433046	
	EPA 180.1 Rev. 2.0	Turbidity	0.65	I	NTU	P433058	
	EPA 300.0 Rev. 2.1	Chloride	12		mg Cl/L	P433207	
		Sulfate	3.1		mg SO4/L	P433209	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P433353	
	SM 2540 C-2015	TDS	72		mg/L	P433343	
	SM 2540 D-2015	TSS	2	I	mg/L	P433236	
	SM 4500-F- C-2011	Fluoride	0.030	I	mg F/L	P433356	
2426748	EPA 350.1 Rev. 2.0	Ammonia-N	0.043		mg N/L	P433392	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P433102	MS
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P433112	
	EPA 365.1 Rev. 2.0	Total-P	0.022		mg P/L	P433298	
	SM 5310 B-2011	Organic Carbon	22		mg C/L	P433314	

Ref. Method and Comment:

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

SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: BULL CREEK DITCH DOWNSTREAM OF EAST DITCH **Collection Date/Time: 07/25/2023 14:05**

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2426756	EPA 8270E	Aldrin	0.67	U	ng/L	P433074	
		Alpha-BHC	0.10	U	ng/L	P433074	
		Alpha-Chlordane	0.21	U	ng/L	P433074	
		PCB-1016	2.1	U	ng/L	P433074	
		Beta-BHC	0.15	I	ng/L	P433074	
		PCB-1221	2.1	U	ng/L	P433074	
		Beta-Cyfluthrin	1.3	U	ng/L	P433074	
		PCB-1232	2.1	U	ng/L	P433074	
		Bifenthrin	0.51	U	ng/L	P433074	
		PCB-1242	2.1	U	ng/L	P433074	
		PCB-1248	2.1	U	ng/L	P433074	
		Chlorothalonil	3.7	U	ng/L	P433074	
		PCB-1254	2.1	U	ng/L	P433074	
		Cis-Nonachlor	0.21	U	ng/L	P433074	
		PCB-1260	2.1	U	ng/L	P433074	
		Cypermethrin	1.5	U	ng/L	P433074	
		Dacthal	0.15	U	ng/L	P433074	
		DDD-p,p'	0.26	U	ng/L	P433074	
		DDE-p,p'	0.21	U	ng/L	P433074	
		DDT-p,p'	0.82	U	ng/L	P433074	
		Delta-BHC	0.41	U	ng/L	P433074	
		Deltamethrin	1.3	U	ng/L	P433074	
		Dichlobenil	0.26	U	ng/L	P433074	
		Dicofol	1.3	U	ng/L	P433074	
		Dieldrin	0.41	U	ng/L	P433074	
		Endosulfan I	0.41	U	ng/L	P433074	
		Endosulfan II	0.93	U	ng/L	P433074	
		Endosulfan Sulfate	0.31	U	ng/L	P433074	
		Endrin	0.93	U	ng/L	P433074	
		Endrin Aldehyde	0.77	U	ng/L	P433074	
		Endrin Ketone	0.41	U	ng/L	P433074	
		Esfenvalerate	0.77	U	ng/L	P433074	
		Ethalfuralin	0.15	U	ng/L	P433074	
		Fenpropathrin	0.26	U	ng/L	P433074	
		Gamma-BHC	0.13	U	ng/L	P433074	
		Gamma-Chlordane	0.21	U	ng/L	P433074	
		Heptachlor	0.21	U	ng/L	P433074	
		Heptachlor Epoxide	0.26	U	ng/L	P433074	
		Hexachlorobenzene**	1.0	U	ng/L	P433074	
		Kepone	14	UJ	ng/L	P433074	CCV
		Lambda-Cyhalothrin	0.77	U	ng/L	P433074	
		Methoprene	0.77	U	ng/L	P433074	
		Methoxychlor	0.31	U	ng/L	P433074	

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2426756	EPA 8270E	MGK-264	0.21	U	ng/L	P433074	
		Mirex	0.36	U	ng/L	P433074	
		Oxychlordane	0.31	U	ng/L	P433074	
		Permethrin	1.6	U	ng/L	P433074	
		Phenothrin	0.93	U	ng/L	P433074	
		Piperonyl Butoxide	0.15	U	ng/L	P433074	
		Prallethrin	2.1	U	ng/L	P433074	
		Tau-Fluvalinate	0.26	U	ng/L	P433074	MS
		Tetramethrin	0.77	U	ng/L	P433074	
		Trans-Nonachlor	0.21	U	ng/L	P433074	
		Triclosan Methyl	0.15	U	ng/L	P433074	
		Trifluralin	0.21	U	ng/L	P433074	
		Chlordane	2.1	U	ng/L	P433074	
		Toxaphene	15	U	ng/L	P433074	
2426757	EPA 8270E						
		Oxybenzone**	10	UJ	ng/L	P432954	SUR
		Acetochlor	0.21	U	ng/L	P432954	
		Octinoxate**	150	UJ	ng/L	P432954	SUR
		Alachlor	0.41	U	ng/L	P432954	
		Avobenzone**	100	UJ	ng/L	P432954	SUR
		Ametryn	12		ng/L	P432954	
		Atrazine	12		ng/L	P432954	
		PBDE-47**	4.1	UJ	ng/L	P432954	SUR
		Atrazine Desethyl	1.3	U	ng/L	P432954	
		PBDE-99**	5.2	UJ	ng/L	P432954	SUR
		Azinphos Methyl	3.1	U	ng/L	P432954	
		Tri-o-cresyl Phosphate**	6.2	UJ	ng/L	P432954	SUR
		Azoxystrobin	480	J	ng/L	P432954	
		Bromacil	0.62	U	ng/L	P432954	
		2-Ethylhexyl	12	UJ	ng/L	P432954	SUR
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.21	U	ng/L	P432954	
		Dechlorane Plus**	31	UJ	ng/L	P432954	SUR
		Caffeine**	45		ng/L	P432954	
		Dechlorane 602**	5.2	UJ	ng/L	P432954	LCS, MS, SUR
		Carbophenothion	0.52	U	ng/L	P432954	
		Dechlorane 603**	4.1	UJ	ng/L	P432954	SUR
		Carfentrazone Ethyl	0.15	U	ng/L	P432954	
		Hexabromobenzene**	6.2	UJ	ng/L	P432954	SUR
		Chlorfenapyr	0.31	U	ng/L	P432954	
		PBB-153**	8.2	UJ	ng/L	P432954	SUR
		Chlorpyrifos Ethyl	0.31	U	ng/L	P432954	
		Pentabromotoluene**	3.1	UJ	ng/L	P432954	SUR
		Chlorpyrifos Methyl	0.10	U	ng/L	P432954	
		Tris(2-chloroethyl) phosphate (TCEP)**	72	UJ	ng/L	P432954	SUR
		Coumaphos	1.1	U	ng/L	P432954	

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2426757	EPA 8270E	Tris(1-chloro-2-propyl) phosphate (TCPP)**	19	I J	ng/L	P432954	SUR
		Cyanazine	5.2	U	ng/L	P432954	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	5.0	I J	ng/L	P432954	SUR
		Cyprodinil	0.21	U	ng/L	P432954	
		Tetradecachloro-m-terphenyl**	7.7	UJ	ng/L	P432954	SUR
		Demeton	3.6	U	ng/L	P432954	
		Diazinon	0.13	U	ng/L	P432954	
		Difenoconazole	18	J	ng/L	P432954	LCS
		Dimethenamid	0.10	U	ng/L	P432954	
		Dimethomorph	0.31	U	ng/L	P432954	MS
		Disulfoton	0.62	U	ng/L	P432954	
		Dithiopyr	4.8	I	ng/L	P432954	
		EPTC	0.52	U	ng/L	P432954	
		Ethion	0.31	U	ng/L	P432954	
		Ethoprop	0.13	U	ng/L	P432954	
		Etridiazole	0.10	U	ng/L	P432954	RPD
		Fenamiphos	0.46	U	ng/L	P432954	
		Fenbuconazole	0.52	UJ	ng/L	P432954	LCS
		Fipronil	42		ng/L	P432954	
		Fipronil Desulfinyl**	34		ng/L	P432954	
		Fipronil Sulfide	51		ng/L	P432954	
		Fipronil Sulfone	64		ng/L	P432954	
		Fluazifop-P-butyl	0.10	U	ng/L	P432954	
		Fludioxonil	19		ng/L	P432954	
		Flumioxazin	3.1	UJ	ng/L	P432954	LCS
		Flutolanil	0.10	U	ng/L	P432954	
		Fluxapyroxad	0.26	U	ng/L	P432954	
		Fonofos	0.15	U	ng/L	P432954	
		Hexazinone	0.52	U	ng/L	P432954	
		Imazalil	0.67	U	ng/L	P432954	
		Iprodione	0.52	UJ	ng/L	P432954	CCV
		Loratadine**	0.31	U	ng/L	P432954	MS
		Malathion	0.36	U	ng/L	P432954	
		Metalaxyl	12		ng/L	P432954	
		Metolachlor	2.1E+03		ng/L	P432954	
		Metribuzin	72		ng/L	P432954	
		Mevinphos	1.0	U	ng/L	P432954	
		Molinate	0.26	U	ng/L	P432954	
		Myclobutanil	0.36	U	ng/L	P432954	
		Naled	2.6	U	ng/L	P432954	
		Napropamide	0.72	U	ng/L	P432954	
		Norflurazon	1.0	U	ng/L	P432954	
		Oxadiazon	190		ng/L	P432954	
		Oxyfluorfen	0.21	U	ng/L	P432954	

Field ID: G2NE1212

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2426757	EPA 8270E	Parathion Ethyl	0.15	U	ng/L	P432954	
		Parathion Methyl	0.21	U	ng/L	P432954	
		Pendimethalin	0.77	U	ng/L	P432954	
		Phenytoin**	5.5	U	ng/L	P432954	
		Phorate	0.26	U	ng/L	P432954	
		Prodiamine	0.21	U	ng/L	P432954	
		Prometon	3.1	U	ng/L	P432954	
		Prometryn	0.36	U	ng/L	P432954	
		Pronamide	0.10	U	ng/L	P432954	
		Propanil	0.10	U	ng/L	P432954	
		Propargite	0.82	U	ng/L	P432954	
		Propiconazole	2.4	I	ng/L	P432954	
		Pyraflufen Ethyl	0.31	U	ng/L	P432954	
		Pyridaben	1.4	U	ng/L	P432954	
		Pyriproxyfen	0.26	UJ	ng/L	P432954	LCS
		Simazine	3.3		ng/L	P432954	
		Stirophos	0.41	U	ng/L	P432954	
		Sulfentrazone	4.0	I	ng/L	P432954	
		Tebuconazole	1.4	U	ng/L	P432954	
		Terbufos	0.21	U	ng/L	P432954	
		Terbuthylazine	0.21	U	ng/L	P432954	
		Thiobencarb	0.52	U	ng/L	P432954	
		Triadimefon	0.15	U	ng/L	P432954	

Ref. Method and Comment:

EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

EPA 8270E: MS accuracy for atrazine not assessed due to high content of this parameter in the sample spiked. Estimation for azoxystrobin due to internal standard recovery exceeding control limits. 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: P433046

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P433058

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433207

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433209

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433392

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433102

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433112

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P433298

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

Reference Method: EPA 8270E
Batch ID: P432954

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Acetochlor	0.20	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P432954

Component	Result	Code	Units
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.20	U	ng/L
Butylate	0.20	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Dimethomorph	0.30	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P432954

Component	Result	Code	Units
Disulfoton	0.60	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metolachlor	0.75	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P432954

Component	Result	Code	Units
Metribuzin	0.40	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	150	U	ng/L
Octinoxate	150	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	8.0	U	ng/L
PBB-153	8.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytol	5.3	U	ng/L
Phenytol	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prodiamine	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propargite	0.80	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P432954

Component	Result	Code	Units
Propiconazole	0.60	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbufos	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	15	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	70	U	ng/L

Reference Method: EPA 8270E

Batch ID: P433074

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
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P433074

Component	Result	Code	Units
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'	0.80	U	ng/L
DDT-p,p'	0.80	U	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	0.90	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin	0.90	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
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	14	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P433074

Component	Result	Code	Units
Kepone	14	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
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276

Batch ID: P433074

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8276
Batch ID: P433074

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

Reference Method: SM 2320 B-2011
Batch ID: P433353

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

Reference Method: SM 2540 C-2015
Batch ID: P433343

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P433236

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P433356

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P433314

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: P433046

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.9		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P433058

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433207

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	98.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433209

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	97.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433392

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433102

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433112

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: P433298

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

Reference Method: EPA 8270E
Batch ID: P432954

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	62.1		P	42 - 162
Acetochlor	90.0		P	69 - 123
Alachlor	78.9		P	65 - 118
Ametryn	113		P	58 - 141

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P432954

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Atrazine	92.5		P	73 - 118
Atrazine Desethyl	83.1		P	32 - 125
Avobenzone	113		P	40 - 203
Azinphos Methyl	70.4		P	36 - 197
Azoxystrobin	86.3		P	58 - 226
Bromacil	91.8		P	48 - 120
Butylate	71.4		P	27 - 85.0
Caffeine	93.3		P	40 - 137
Carbophenothion	99.3		P	54 - 132
Carfentrazone Ethyl	104		P	60 - 142
Chlorfenapyr	81.5		P	53 - 117
Chlorpyrifos Ethyl	100		P	59 - 116
Chlorpyrifos Methyl	95.6		P	66 - 119
Coumaphos	95.3		P	11 - 234
Cyanazine	154		P	61 - 248
Cyprodinil	106		P	50 - 147
Dechlorane 602	28.0		F	50 - 150
Dechlorane 603	86.9		P	50 - 150
Dechlorane Plus	65.3		P	47 - 182
Demeton	104		P	30 - 138
Diazinon	109		P	67 - 126
Difenoconazole	34.2		F	38 - 205
Dimethenamid	79.8		P	57 - 111
Dimethomorph	138		P	16 - 212
Disulfoton	103		P	46 - 126
Dithiopyr	97.3		P	62 - 115
EPTC	70.3		P	28 - 80.0
Ethion	34.6		P	24 - 122
Ethoprop	105		P	62 - 113
Etridiazole	81.7		P	28 - 92.0
Fenamiphos	105		P	57 - 128
Fenbuconazole	44.8		F	52 - 155
Fipronil	106		P	63 - 130
Fipronil Desulfinyl	98.3		P	61 - 130
Fipronil Sulfide	97.8		P	56 - 117
Fipronil Sulfone	93.2		P	52 - 118
Fluazifop-P-butyl	87.1		P	61 - 128
Fludioxonil	69.3		P	59 - 129
Flumioxazin	18.1		F	30 - 250
Flutolanil	81.7		P	53 - 127
Fluxapyroxad	53.8		P	42 - 132
Fonofos	92.7		P	61 - 110
Hexabromobenzene	88.3		P	50 - 150
Hexazinone	85.4		P	46 - 139
Imazalil	96.4		P	40 - 139
Iprodione	62.8		P	40 - 146
Loratadine	128		P	10 - 224
Malathion	85.9		P	61 - 135
Metalaxyl	103		P	58 - 121
Metolachlor	84.4		P	64 - 118
Metribuzin	99.9		P	45 - 245
Mevinphos	115		P	49 - 118

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P432954

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Molinate	61.5		P	42 - 92.0
Myclobutanil	89.4		P	55 - 127
Naled	43.9		P	10 - 114
Napropamide	65.6		P	39 - 121
Norflurazon	98.6		P	55 - 129
Octinoxate	101		P	26 - 166
Oxadiazon	80.9		P	54 - 115
Oxybenzone	110		P	49 - 135
Oxyfluorfen	91.4		P	64 - 139
Parathion Ethyl	109		P	70 - 111
Parathion Methyl	116		P	76 - 136
PBB-153	61.9		P	50 - 150
PBDE-47	52.7		P	41 - 148
PBDE-99	41.1		P	38 - 147
Pendimethalin	118		P	52 - 118
Pentabromotoluene	86.1		P	50 - 150
Phenytoin	24.0		P	10 - 162
Phorate	99.9		P	40 - 122
Prodiamine	48.5		P	26 - 141
Prometon	110		P	54 - 122
Prometryn	127		P	61 - 128
Pronamide	108		P	72 - 121
Propanil	86.9		P	45 - 144
Propargite	34.7		P	10 - 199
Propiconazole	66.5		P	56 - 127
Pyraflufen Ethyl	95.4		P	56 - 140
Pyridaben	88.7		P	26 - 211
Pyriproxyfen	32.5		F	33 - 194
Simazine	74.5		P	67 - 121
Stirophos	26.7		P	20 - 142
Sulfentrazone	68.9		P	21 - 144
Tebuconazole	34.3		P	10 - 122
Terbufos	111		P	60 - 129
Terbutylazine	86.3		P	69 - 113
Tetradecachloro-m-terphenyl	172		P	70 - 200
Thiobencarb	83.0		P	51 - 120
Tri-o-cresyl Phosphate	101		P	49 - 150
Triadimefon	79.3		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	105		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	84.5		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	103		P	70 - 180

Reference Method: EPA 8270E

Batch ID: P433074

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	57.0		P	30 - 96.0
Alpha-BHC	86.8		P	70 - 109
Alpha-Chlordane	82.5		P	45 - 107
Beta-BHC	83.3		P	64 - 138
Beta-Cyfluthrin	81.5		P	17 - 141
Bifenthrin	53.3		P	10 - 113

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P433074

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorothalonil	90.6		P	26 - 180
Cis-Nonachlor	74.6		P	37 - 102
Cypermethrin	94.8		P	20 - 133
Dacthal	85.8		P	69 - 114
DDD-p,p'	73.8		P	42 - 105
DDE-p,p'	77.5		P	42 - 106
DDT-p,p'	70.0		P	42 - 107
Delta-BHC	96.3		P	67 - 144
Deltamethrin	128		P	15 - 149
Dichlobenil	74.9		P	46 - 117
Dicofol	76.8		P	34 - 114
Dieldrin	79.2		P	50 - 108
Endosulfan I	89.0		P	55 - 104
Endosulfan II	60.6		P	51 - 111
Endosulfan Sulfate	77.2		P	56 - 121
Endrin	80.1		P	10 - 106
Endrin Aldehyde	69.6		P	34 - 114
Endrin Ketone	82.6		P	63 - 177
Esfenvalerate	88.4		P	29 - 143
Ethalfuralin	75.8		P	46 - 96.0
Fenpropathrin	85.0		P	28 - 115
Gamma-BHC	83.6		P	65 - 121
Gamma-Chlordane	56.3		P	39 - 103
Heptachlor	71.1		P	39 - 94.0
Heptachlor Epoxide	81.9		P	54 - 104
Hexachlorobenzene	67.7		P	36 - 100
Kepone	79.9		P	10 - 225
Lambda-Cyhalothrin	64.8		P	10 - 135
Methoprene	48.7		P	10 - 109
Methoxychlor	77.7		P	52 - 112
MGK-264	63.0		P	44 - 117
Mirex	65.4		P	20 - 90.0
Oxychlordane	73.8		P	44 - 102
PCB-1016	66.9		P	45 - 107
PCB-1260	70.1		P	40 - 118
Permethrin	73.5		P	18 - 135
Phenothrin	57.8		P	10 - 102
Piperonyl Butoxide	66.0		P	28 - 156
Prallethrin	69.7		P	28 - 113
Tau-Fluvalinate	88.3		P	10 - 123
Tetramethrin	116		P	18 - 158
Trans-Nonachlor	54.1		P	39 - 104
Triclosan Methyl	82.4		P	54 - 108
Trifluralin	72.1		P	46 - 97.0

Reference Method: EPA 8276
Batch ID: P433074

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	78.7		P	52 - 117
Toxaphene	89.4		P	44 - 125

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P433353

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	96.6		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P433343

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

Reference Method: SM 2540 D-2015
Batch ID: P433236

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	91.4		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P433356

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	96.9		P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P433314

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	93.4		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433207

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427018	Chloride	98.4		P	90 - 110
2427053	Chloride	98.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433209

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2427018	Sulfate	93.9		P	90 - 110
2427053	Sulfate	96.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433392

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426738	Ammonia-N	99.8	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433102

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426743	Kjeldahl Nitrogen	95.7	87.3	P/F	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433112

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426747	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P433298

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426999	Total-P	108	107	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P432954

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426850	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	82.8	90.9	P/P	26 - 165
2426850	Acetochlor	94.8	85.0	P/P	67 - 124
2426850	Alachlor	77.9	68.5	P/P	60 - 120
2426850	Ametryn	132	112	P/P	54 - 216
2426850	Atrazine Desethyl	95.7	74.4	P/P	15 - 122
2426850	Avobenzone	109	98.1	P/P	37 - 178
2426850	Azinphos Methyl	103	109	P/P	40 - 292
2426850	Azoxystrobin	95.2	110	P/P	35 - 220
2426850	Bromacil	104	85.8	P/P	45 - 127
2426850	Butylate	66.8	61.3	P/P	20 - 83.0
2426850	Caffeine	101	104	P/P	10 - 194
2426850	Carbophenothion	102	106	P/P	57 - 127
2426850	Carfentrazone Ethyl	115	110	P/P	51 - 141
2426850	Chlorfenapyr	86.9	85.9	P/P	46 - 111

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P432954

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426850	Chlorpyrifos Ethyl	99.8	84.6	P/P	52 - 120
2426850	Chlorpyrifos Methyl	107	103	P/P	63 - 119
2426850	Coumaphos	131	151	P/P	10 - 228
2426850	Cyanazine	155	130	P/P	59 - 241
2426850	Cyprodinil	108	101	P/P	47 - 146
2426850	Dechlorane 602	37.2	39.4	F/F	50 - 150
2426850	Dechlorane 603	77.9	74.0	P/P	50 - 150
2426850	Dechlorane Plus	60.8	63.5	P/P	50 - 150
2426850	Demeton	101	98.9	P/P	40 - 136
2426850	Diazinon	119	114	P/P	69 - 132
2426850	Difenoconazole	96.1	117	P/P	57 - 258
2426850	Dimethenamid	86.3	89.8	P/P	54 - 110
2426850	Dimethomorph	270	296	F/F	28 - 210
2426850	Disulfoton	103	98.5	P/P	43 - 133
2426850	Dithiopyr	46.0	50.8	P/P	39 - 116
2426850	EPTC	63.3	51.2	P/P	20 - 78.0
2426850	Ethion	47.3	54.7	P/P	17 - 119
2426850	Ethoprop	107	101	P/P	66 - 120
2426850	Etridiazole	85.4	58.4	P/P	28 - 96.0
2426850	Fenamiphos	104	96.8	P/P	41 - 126
2426850	Fenbuconazole	90.5	98.0	P/P	42 - 169
2426850	Fipronil	105	88.2	P/P	61 - 132
2426850	Fipronil Desulfinyl	112	90.2	P/P	56 - 132
2426850	Fipronil Sulfide	106	95.3	P/P	48 - 119
2426850	Fipronil Sulfone	88.1	84.2	P/P	42 - 131
2426850	Fluazifop-P-butyl	113	97.5	P/P	53 - 131
2426850	Fludioxonil	77.2	76.1	P/P	56 - 127
2426850	Flumioxazin	55.3	87.0	P/P	19 - 300
2426850	Flutolanil	54.5	57.4	P/P	41 - 127
2426850	Fluxapyroxad	72.9	86.4	P/P	42 - 172
2426850	Fonofos	99.7	95.9	P/P	59 - 113
2426850	Hexabromobenzene	111	112	P/P	50 - 150
2426850	Hexazinone	102	102	P/P	66 - 122
2426850	Imazalil	83.4	91.9	P/P	21 - 283
2426850	Iprodione	76.7	69.2	P/P	43 - 150
2426850	Loratadine	199	205	P/F	23 - 201
2426850	Malathion	85.2	79.8	P/P	58 - 136
2426850	Metalaxyl	100	101	P/P	55 - 120
2426850	Metolachlor	88.3	90.9	P/P	57 - 121
2426850	Metribuzin	95.8	98.8	P/P	58 - 294
2426850	Mevinphos	109	104	P/P	50 - 126
2426850	Molinate	66.0	56.9	P/P	42 - 93.0
2426850	Myclobutanil	92.6	87.6	P/P	55 - 125
2426850	Naled	49.1	58.0	P/P	18 - 200
2426850	Napropamide	73.1	72.7	P/P	39 - 110
2426850	Norflurazon	109	97.3	P/P	48 - 128
2426850	Octinoxate	114	104	P/P	21 - 159
2426850	Oxadiazon	75.5	73.6	P/P	43 - 112
2426850	Oxybenzone	127	130	P/P	41 - 142
2426850	Oxyfluorfen	95.6	96.1	P/P	64 - 153
2426850	Parathion Ethyl	92.3	85.2	P/P	69 - 114
2426850	Parathion Methyl	127	123	P/P	79 - 139

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P432954

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426850	PBB-153	103	112	P/P	50 - 150
2426850	PBDE-47	82.9	83.1	P/P	27 - 144
2426850	PBDE-99	78.8	83.3	P/P	18 - 150
2426850	Pendimethalin	118	105	P/P	50 - 139
2426850	Pentabromotoluene	98.1	92.0	P/P	50 - 150
2426850	Phenytoin	23.6	23.3	P/P	10 - 146
2426850	Phorate	110	110	P/P	54 - 161
2426850	Prodiamine	65.1	64.9	P/P	30 - 161
2426850	Prometon	85.4	89.6	P/P	45 - 134
2426850	Prometryn	54.5	54.1	P/P	45 - 137
2426850	Pronamide	107	96.8	P/P	65 - 133
2426850	Propanil	91.0	83.7	P/P	49 - 142
2426850	Propargite	48.3	46.7	P/P	10 - 203
2426850	Propiconazole	76.9	79.2	P/P	38 - 146
2426850	Pyraflufen Ethyl	109	106	P/P	34 - 153
2426850	Pyridaben	131	129	P/P	12 - 192
2426850	Pyriproxyfen	77.1	78.1	P/P	33 - 180
2426850	Simazine	73.2	70.6	P/P	51 - 157
2426850	Stiropfos	18.2	19.2	P/P	10 - 128
2426850	Sulfentrazone	91.3	87.4	P/P	53 - 186
2426850	Tebuconazole	51.3	52.5	P/P	10 - 133
2426850	Terbufos	116	101	P/P	65 - 139
2426850	Terbutylazine	92.7	79.5	P/P	66 - 117
2426850	Tetradecachloro-m-terphenyl	91.6	77.9	P/P	70 - 200
2426850	Thiobencarb	80.4	71.4	P/P	51 - 119
2426850	Tri-o-cresyl Phosphate	112	106	P/P	31 - 144
2426850	Triadimefon	90.6	77.3	P/P	48 - 119
2426850	Tris(1-chloro-2-propyl) phosphate (TCPP)	85.9	86.7	P/P	50 - 150
2426850	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	106	83.0	P/P	50 - 150
2426850	Tris(2-chloroethyl) phosphate (TCEP)	111	102	P/P	70 - 180

Reference Method: EPA 8270E

Batch ID: P433074

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426826	PCB-1016	61.7	57.3	P/P	45 - 107
2426826	PCB-1260	60.2	63.9	P/P	40 - 112
2426849	Aldrin	53.6	51.8	P/P	24 - 81.0
2426849	Alpha-BHC	99.0	94.2	P/P	65 - 110
2426849	Alpha-Chlordane	78.5	75.3	P/P	43 - 119
2426849	Beta-BHC	77.7	65.6	P/P	54 - 165
2426849	Beta-Cyfluthrin	99.0	123	P/P	27 - 165
2426849	Bifenthrin	76.9	84.5	P/P	17 - 117
2426849	Chlorothalonil	116	133	P/P	10 - 255
2426849	Cis-Nonachlor	85.4	76.6	P/P	34 - 98.0
2426849	Cypermethrin	103	120	P/P	25 - 143
2426849	Dacthal	96.5	86.5	P/P	55 - 139
2426849	DDD-p,p'	83.0	76.1	P/P	30 - 109
2426849	DDE-p,p'	78.8	74.9	P/P	35 - 106
2426849	DDT-p,p'	74.3	80.4	P/P	41 - 101
2426849	Delta-BHC	117	115	P/P	58 - 165
2426849	Deltamethrin	154	187	P/P	10 - 194

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P433074

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426849	Dichlobenil	61.2	64.2	P/P	22 - 114
2426849	Dicofol	82.2	81.4	P/P	17 - 133
2426849	Dieldrin	76.7	74.8	P/P	45 - 129
2426849	Endosulfan I	90.4	81.8	P/P	49 - 104
2426849	Endosulfan II	61.5	68.1	P/P	37 - 117
2426849	Endosulfan Sulfate	67.5	70.8	P/P	38 - 128
2426849	Endrin	77.7	80.7	P/P	35 - 116
2426849	Endrin Aldehyde	57.1	49.3	P/P	19 - 108
2426849	Endrin Ketone	87.1	75.1	P/P	44 - 134
2426849	Esfenvalerate	126	155	P/P	27 - 176
2426849	Ethalfuralin	77.8	71.2	P/P	49 - 100
2426849	Fenpropathrin	107	103	P/P	34 - 117
2426849	Gamma-BHC	100	91.3	P/P	59 - 129
2426849	Gamma-Chlordane	51.6	59.5	P/P	33 - 107
2426849	Heptachlor	73.6	67.6	P/P	37 - 94.0
2426849	Heptachlor Epoxide	86.9	82.8	P/P	38 - 118
2426849	Hexachlorobenzene	65.8	64.7	P/P	35 - 97.0
2426849	Kepone	84.3	80.4	P/P	10 - 221
2426849	Lambda-Cyhalothrin	164	187	P/P	23 - 190
2426849	Methoprene	63.3	81.7	P/P	21 - 109
2426849	Methoxychlor	68.1	75.8	P/P	46 - 118
2426849	MGK-264	66.8	80.7	P/P	39 - 122
2426849	Mirex	75.4	73.0	P/P	25 - 90.0
2426849	Oxychlordane	66.2	64.1	P/P	42 - 100
2426849	Permethrin	86.7	97.5	P/P	33 - 181
2426849	Phenothrin	70.1	87.6	P/P	12 - 125
2426849	Piperonyl Butoxide	67.6	77.0	P/P	10 - 178
2426849	Prallethrin	100	120	P/P	24 - 122
2426849	Tau-Fluvalinate	128	157	P/F	13 - 151
2426849	Tetramethrin	166	169	P/P	16 - 172
2426849	Trans-Nonachlor	47.1	55.1	P/P	39 - 100
2426849	Triclosan Methyl	78.4	62.0	P/P	43 - 110
2426849	Trifluralin	70.5	66.9	P/P	45 - 94.0

Reference Method: EPA 8276

Batch ID: P433074

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426826	Chlordane	69.7	69.1	P/P	43 - 123
2426826	Toxaphene	84.7	82.5	P/P	27 - 156

Reference Method: SM 5310 B-2011

Batch ID: P433314

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2426747	Organic Carbon	94.6	96.9	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P433046

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426739	Color (true)	0.278	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P433058

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426737	Turbidity	1.65	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433207

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427018	Chloride	0.599	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P433209

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2427018	Sulfate	0.800	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P433392

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426738	Ammonia-N	1.14	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P433102

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426743	Kjeldahl Nitrogen	5.62	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P433112

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426747	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P433298

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426999	Total-P	0.252	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P432954

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426850	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	9.33	Spike	P	0 - 37
2426850	Acetochlor	10.9	Spike	P	0 - 28
2426850	Alachlor	12.8	Spike	P	0 - 30
2426850	Ametryn	16.3	Spike	P	0 - 32
2426850	Atrazine	6.75	Spike	P	0 - 41
2426850	Atrazine Desethyl	25.1	Spike	P	0 - 36
2426850	Avobenzone	10.1	Spike	P	0 - 36
2426850	Azinphos Methyl	5.86	Spike	P	0 - 75
2426850	Azoxystrobin	14.2	Spike	P	0 - 39
2426850	Bromacil	19.7	Spike	P	0 - 33
2426850	Butylate	8.61	Spike	P	0 - 44
2426850	Caffeine	2.61	Spike	P	0 - 74
2426850	Carbophenothion	3.71	Spike	P	0 - 25
2426850	Carfentrazone Ethyl	4.57	Spike	P	0 - 27
2426850	Chlorfenapyr	1.22	Spike	P	0 - 24
2426850	Chlorpyrifos Ethyl	16.5	Spike	P	0 - 26
2426850	Chlorpyrifos Methyl	3.84	Spike	P	0 - 26
2426850	Coumaphos	14.3	Spike	P	0 - 28
2426850	Cyanazine	17.8	Spike	P	0 - 48
2426850	Cyprodinil	6.60	Spike	P	0 - 29
2426850	Dechlorane 602	5.66	Spike	P	0 - 30
2426850	Dechlorane 603	5.09	Spike	P	0 - 30
2426850	Dechlorane Plus	4.34	Spike	P	0 - 30
2426850	Demeton	2.20	Spike	P	0 - 33
2426850	Diazinon	3.89	Spike	P	0 - 29
2426850	Difenoconazole	19.4	Spike	P	0 - 34
2426850	Dimethenamid	3.99	Spike	P	0 - 39
2426850	Dimethomorph	9.11	Spike	P	0 - 51
2426850	Disulfoton	4.45	Spike	P	0 - 30
2426850	Dithiopyr	9.90	Spike	P	0 - 26
2426850	EPTC	21.2	Spike	P	0 - 43
2426850	Ethion	14.6	Spike	P	0 - 79
2426850	Ethoprop	6.29	Spike	P	0 - 29
2426850	Etridiazole	37.5	Spike	F	0 - 33
2426850	Fenamiphos	6.97	Spike	P	0 - 40
2426850	Fenbuconazole	7.99	Spike	P	0 - 74
2426850	Fipronil	16.2	Spike	P	0 - 29
2426850	Fipronil Desulfinyl	19.9	Spike	P	0 - 32
2426850	Fipronil Sulfide	9.46	Spike	P	0 - 30
2426850	Fipronil Sulfone	3.79	Spike	P	0 - 33
2426850	Fluazifop-P-butyl	14.9	Spike	P	0 - 38
2426850	Fludioxonil	1.54	Spike	P	0 - 29
2426850	Flumioxazin	44.6	Spike	P	0 - 51
2426850	Flutolanil	5.01	Spike	P	0 - 25
2426850	Fluxapyroxad	16.9	Spike	P	0 - 45
2426850	Fonofos	3.90	Spike	P	0 - 27
2426850	Hexabromobenzene	0.315	Spike	P	0 - 30
2426850	Hexazinone	0.743	Spike	P	0 - 30
2426850	Imazalil	9.63	Spike	P	0 - 100
2426850	Iprodione	10.2	Spike	P	0 - 33
2426850	Loratadine	3.20	Spike	P	0 - 56

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P432954

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426850	Malathion	6.53	Spike	P	0 - 37
2426850	Metalaxyl	0.945	Spike	P	0 - 40
2426850	Metolachlor	2.85	Spike	P	0 - 29
2426850	Metribuzin	3.07	Spike	P	0 - 45
2426850	Mevinphos	4.36	Spike	P	0 - 29
2426850	Molinate	14.8	Spike	P	0 - 33
2426850	Myclobutanil	5.46	Spike	P	0 - 26
2426850	Naled	16.8	Spike	P	0 - 37
2426850	Napropamide	0.460	Spike	P	0 - 44
2426850	Norflurazon	11.5	Spike	P	0 - 30
2426850	Octinoxate	8.55	Spike	P	0 - 45
2426850	Oxadiazon	2.61	Spike	P	0 - 28
2426850	Oxybenzone	2.29	Spike	P	0 - 46
2426850	Oxyfluorfen	0.543	Spike	P	0 - 28
2426850	Parathion Ethyl	8.00	Spike	P	0 - 31
2426850	Parathion Methyl	3.81	Spike	P	0 - 29
2426850	PBB-153	8.25	Spike	P	0 - 30
2426850	PBDE-47	0.155	Spike	P	0 - 36
2426850	PBDE-99	5.64	Spike	P	0 - 40
2426850	Pendimethalin	11.5	Spike	P	0 - 33
2426850	Pentabromotoluene	6.48	Spike	P	0 - 30
2426850	Phenytol	1.07	Spike	P	0 - 100
2426850	Phorate	0.382	Spike	P	0 - 36
2426850	Prodiamine	0.353	Spike	P	0 - 71
2426850	Prometon	4.75	Spike	P	0 - 36
2426850	Prometryn	0.754	Spike	P	0 - 28
2426850	Pronamide	10.4	Spike	P	0 - 24
2426850	Propanil	8.35	Spike	P	0 - 28
2426850	Propargite	3.34	Spike	P	0 - 43
2426850	Propiconazole	2.98	Spike	P	0 - 33
2426850	Pyraflufen Ethyl	3.58	Spike	P	0 - 29
2426850	Pyridaben	1.52	Spike	P	0 - 30
2426850	Pyriproxyfen	1.22	Spike	P	0 - 79
2426850	Simazine	3.53	Spike	P	0 - 29
2426850	Stirophos	5.63	Spike	P	0 - 61
2426850	Sulfentrazone	4.32	Spike	P	0 - 33
2426850	Tebuconazole	2.29	Spike	P	0 - 69
2426850	Terbufos	13.9	Spike	P	0 - 29
2426850	Terbuthylazine	15.4	Spike	P	0 - 32
2426850	Tetradecachloro-m-terphenyl	16.2	Spike	P	0 - 30
2426850	Thiobencarb	11.9	Spike	P	0 - 26
2426850	Tri-o-cresyl Phosphate	5.42	Spike	P	0 - 33
2426850	Triadimefon	15.9	Spike	P	0 - 28
2426850	Tris(1-chloro-2-propyl) phosphate (TCPP)	0.681	Spike	P	0 - 30
2426850	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	23.8	Spike	P	0 - 30
2426850	Tris(2-chloroethyl) phosphate (TCEP)	8.64	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P433074

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426826	PCB-1016	7.46	Spike	P	0 - 25
2426826	PCB-1260	6.01	Spike	P	0 - 30
2426849	Aldrin	3.42	Spike	P	0 - 41
2426849	Alpha-BHC	4.94	Spike	P	0 - 25
2426849	Alpha-Chlordane	4.13	Spike	P	0 - 32
2426849	Beta-BHC	15.0	Spike	P	0 - 33
2426849	Beta-Cyfluthrin	21.6	Spike	P	0 - 43
2426849	Bifenthrin	9.52	Spike	P	0 - 52
2426849	Chlorothalonil	13.6	Spike	P	0 - 82
2426849	Cis-Nonachlor	10.9	Spike	P	0 - 33
2426849	Cypermethrin	15.5	Spike	P	0 - 51
2426849	Dacthal	10.9	Spike	P	0 - 27
2426849	DDD-p,p'	8.71	Spike	P	0 - 39
2426849	DDE-p,p'	5.07	Spike	P	0 - 31
2426849	DDT-p,p'	7.86	Spike	P	0 - 29
2426849	Delta-BHC	2.31	Spike	P	0 - 35
2426849	Deltamethrin	19.6	Spike	P	0 - 100
2426849	Dichlobenil	4.80	Spike	P	0 - 40
2426849	Dicofol	0.860	Spike	P	0 - 37
2426849	Dieldrin	2.54	Spike	P	0 - 27
2426849	Endosulfan I	9.93	Spike	P	0 - 23
2426849	Endosulfan II	10.1	Spike	P	0 - 34
2426849	Endosulfan Sulfate	4.76	Spike	P	0 - 36
2426849	Endrin	3.80	Spike	P	0 - 45
2426849	Endrin Aldehyde	14.7	Spike	P	0 - 76
2426849	Endrin Ketone	14.8	Spike	P	0 - 43
2426849	Esfenvalerate	20.6	Spike	P	0 - 51
2426849	Ethalfuralin	8.80	Spike	P	0 - 22
2426849	Fenpropathrin	3.93	Spike	P	0 - 49
2426849	Gamma-BHC	9.43	Spike	P	0 - 28
2426849	Gamma-Chlordane	14.2	Spike	P	0 - 40
2426849	Heptachlor	8.51	Spike	P	0 - 29
2426849	Heptachlor Epoxide	4.87	Spike	P	0 - 33
2426849	Hexachlorobenzene	1.74	Spike	P	0 - 36
2426849	Kepone	4.69	Spike	P	0 - 85
2426849	Lambda-Cyhalothrin	13.2	Spike	P	0 - 55
2426849	Methoprene	25.4	Spike	P	0 - 53
2426849	Methoxychlor	10.8	Spike	P	0 - 50
2426849	MGK-264	18.8	Spike	P	0 - 43
2426849	Mirex	3.16	Spike	P	0 - 40
2426849	Oxychlordane	3.31	Spike	P	0 - 31
2426849	Permethrin	11.7	Spike	P	0 - 50
2426849	Phenothrin	22.2	Spike	P	0 - 58
2426849	Piperonyl Butoxide	12.9	Spike	P	0 - 100
2426849	Prallethrin	17.7	Spike	P	0 - 39
2426849	Tau-Fluvalinate	20.0	Spike	P	0 - 54
2426849	Tetramethrin	2.09	Spike	P	0 - 51
2426849	Trans-Nonachlor	15.6	Spike	P	0 - 39
2426849	Triclosan Methyl	23.3	Spike	P	0 - 31
2426849	Trifluralin	5.24	Spike	P	0 - 22

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P433074

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426826	Chlordane	0.872	Spike	P	0 - 28
2426826	Toxaphene	2.54	Spike	P	0 - 27

Reference Method: SM 2320 B-2011
Batch ID: P433353

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426991	Total Alkalinity	0.774	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P433343

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426737	TDS	2.99	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P433356

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426991	Fluoride	0.476	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P433314

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2426747	Organic Carbon	1.85	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2426756
Field Sample ID: G2NE1212

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	48.8	P	37 - 129
EPA 8270E	Decachlorobiphenyl	44.4	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	35.7	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	47.4	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	39.8	P	28 - 102
EPA 8276	PCNB	72.7	P	49 - 115

Lab Sample ID: 2426757
Field Sample ID: G2NE1212

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	81.0	P	20 - 200
EPA 8270E	Simazine-d10	83.6	P	62 - 142
EPA 8270E	Terbufos-d10	87.2	P	58 - 132
EPA 8270E	Terphenyl-d14	148	F	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1

Run ID: A120651

Included Lab Sample IDs: 2426745, 2426746

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	97.9	98.5	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A120655

Included Lab Sample IDs: 2426745, 2426746

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A120682

Included Lab Sample IDs: 2426747, 2426748

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: A120686

Included Lab Sample IDs: 2426745, 2426746

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

Reference Method: EPA 8270E

Run ID: A120722

Included Lab Sample IDs: 2426757

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	87.2		P	80 - 120
Avobenzone	95.6		P	80 - 120
Dechlorane 602	96.2		P	80 - 120
Dechlorane 603	90.6		P	80 - 120
Dechlorane Plus	84.8		P	80 - 120
Hexabromobenzene	88.6		P	80 - 120
Octinoxate	91.5		P	80 - 120
Oxybenzone	91.6		P	80 - 120
PBB-153	87.2		P	80 - 120
PBDE-47	88.5		P	80 - 120
PBDE-99	86.8		P	80 - 120
Pentabromotoluene	93.3		P	80 - 120
Tetradecachloro-m-terphenyl	84.8		P	80 - 120
Tri-o-cresyl Phosphate	93.6		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	93.5		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	88.8		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	91.9		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A120746

Included Lab Sample IDs: 2426747, 2426748

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	91.3	99.3	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A120780

Included Lab Sample IDs: 2426747, 2426748

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

Reference Method: SM 2320 B-2011

Run ID: A120803

Included Lab Sample IDs: 2426745, 2426746

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	94.6	93.3	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A120803

Included Lab Sample IDs: 2426745, 2426746

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	99.5	102	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A120808

Included Lab Sample IDs: 2426756

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	97.0		P	80 - 120
Alpha-BHC	98.5		P	80 - 120
Alpha-Chlordane	104		P	80 - 120
Beta-BHC	103		P	80 - 120
Beta-Cyfluthrin	93.2		P	80 - 120
Bifenthrin	95.3		P	80 - 120
Chlorothalonil	95.4		P	80 - 120
Cis-Nonachlor	105		P	80 - 120
Cypermethrin	104		P	80 - 120
Dacthal	106		P	80 - 120
DDD-p,p'	111		P	80 - 120
DDE-p,p'	103		P	80 - 120
DDT-p,p'	96.7		P	80 - 120
Delta-BHC	101		P	80 - 120
Deltamethrin	98.5		P	80 - 120
Dichlobenil	101		P	80 - 120
Dicofol	90.9		P	80 - 120
Dieldrin	103		P	80 - 120
Endosulfan I	98.5		P	80 - 120
Endosulfan II	95.0		P	80 - 120
Endosulfan Sulfate	111		P	80 - 120
Endrin	101		P	80 - 120
Endrin Aldehyde	94.3		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A120808
Included Lab Sample IDs: 2426756

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Endrin Ketone	101		P	80 - 120
Esfenvalerate	93.7		P	80 - 120
Ethalfuralin	102		P	80 - 120
Fenpropathrin	101		P	80 - 120
Gamma-BHC	105		P	80 - 120
Gamma-Chlordane	96.5		P	80 - 120
Heptachlor	99.7		P	80 - 120
Heptachlor Epoxide	98.3		P	80 - 120
Hexachlorobenzene	105		P	80 - 120
Kepone	58.1*		F	80 - 120
Lambda-Cyhalothrin	98.0		P	80 - 120
Methoprene	97.1		P	80 - 120
Methoxychlor	92.4		P	80 - 120
MGK-264	94.9		P	80 - 120
Mirex	98.2		P	80 - 120
Oxychlordane	103		P	80 - 120
Permethrin	97.8		P	80 - 120
Phenothrin	94.1		P	80 - 120
Piperonyl Butoxide	111		P	80 - 120
Prallethrin	94.4		P	80 - 120
Tau-Fluvalinate	93.9		P	80 - 120
Tetramethrin	100		P	80 - 120
Trans-Nonachlor	93.2		P	80 - 120
Triclosan Methyl	102		P	80 - 120
Trifluralin	98.7		P	80 - 120

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A120821
Included Lab Sample IDs: 2426747, 2426748

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A120829
Included Lab Sample IDs: 2426747, 2426748

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

Reference Method: EPA 8276
Run ID: A120833
Included Lab Sample IDs: 2426756

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	100		P	80 - 120
Toxaphene	94.7		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
 Run ID: A120840
 Included Lab Sample IDs: 2426756

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	93.7		P	80 - 120
PCB-1260	95.2		P	80 - 120

Reference Method: EPA 8270E
 Run ID: A120931
 Included Lab Sample IDs: 2426757

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	86.6		P	80 - 120
Alachlor	90.9		P	80 - 120
Ametryn	105		P	80 - 120
Atrazine	94.9		P	80 - 120
Atrazine Desethyl	93.6		P	80 - 120
Azinphos Methyl	93.0		P	80 - 120
Bromacil	97.9		P	80 - 120
Butylate	94.1		P	80 - 120
Caffeine	97.0		P	80 - 120
Carbophenothion	103		P	80 - 120
Carfentrazone Ethyl	95.1		P	80 - 120
Chlorfenapyr	81.2		P	80 - 120
Chlorpyrifos Ethyl	90.4		P	80 - 120
Chlorpyrifos Methyl	93.6		P	80 - 120
Coumaphos	96.3		P	80 - 120
Cyanazine	89.8		P	80 - 120
Cyprodinil	100		P	80 - 120
Demeton	99.5		P	80 - 120
Diazinon	97.0		P	80 - 120
Difenoconazole	90.5		P	80 - 120
Dimethenamid	94.4		P	80 - 120
Dimethomorph	101		P	80 - 120
Disulfoton	103		P	80 - 120
Dithiopyr	99.5		P	80 - 120
EPTC	99.7		P	80 - 120
Ethion	104		P	80 - 120
Ethoprop	97.1		P	80 - 120
Etridiazole	102		P	80 - 120
Fenamiphos	89.8		P	80 - 120
Fenbuconazole	82.2		P	80 - 120
Fipronil	87.5		P	80 - 120
Fipronil Desulfinyl	95.9		P	80 - 120
Fipronil Sulfide	95.6		P	80 - 120
Fluazifop-P-butyl	89.9		P	80 - 120
Fludioxonil	95.0		P	80 - 120
Flumioxazin	93.7		P	80 - 120
Flutolanil	98.2		P	80 - 120
Fluxapyroxad	99.0		P	80 - 120
Fonofos	96.1		P	80 - 120
Hexazinone	101		P	80 - 120
Imazalil	99.1		P	80 - 120
Iprodione	76.1*		F	80 - 120
Loratadine	85.6		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A120931
Included Lab Sample IDs: 2426757

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Malathion	82.3		P	80 - 120
Metalaxyl	90.5		P	80 - 120
Metribuzin	89.7		P	80 - 120
Mevinphos	101		P	80 - 120
Molinate	84.5		P	80 - 120
Myclobutanil	91.1		P	80 - 120
Naled	87.4		P	80 - 120
Napropamide	97.0		P	80 - 120
Norflurazon	100		P	80 - 120
Oxyfluorfen	95.3		P	80 - 120
Parathion Ethyl	103		P	80 - 120
Parathion Methyl	84.2		P	80 - 120
Pendimethalin	106		P	80 - 120
Phenytol	102		P	80 - 120
Phorate	103		P	80 - 120
Prodiamine	113		P	80 - 120
Prometon	105		P	80 - 120
Prometryn	101		P	80 - 120
Pronamide	101		P	80 - 120
Propanil	100		P	80 - 120
Propargite	95.8		P	80 - 120
Propiconazole	87.8		P	80 - 120
Pyraflufen Ethyl	102		P	80 - 120
Pyridaben	100		P	80 - 120
Pyriproxyfen	101		P	80 - 120
Simazine	80.0		P	80 - 120
Stirophos	80.1		P	80 - 120
Sulfentrazone	96.0		P	80 - 120
Tebuconazole	100		P	80 - 120
Terbufos	101		P	80 - 120
Terbuthylazine	89.3		P	80 - 120
Thiobencarb	100		P	80 - 120
Triadimefon	98.0		P	80 - 120

Reference Method: EPA 8270E
Run ID: A120932
Included Lab Sample IDs: 2426757

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Azoxystrobin	98.3		P	80 - 120
Fipronil Sulfone	96.2		P	80 - 120
Metolachlor	101		P	80 - 120
Oxadiazon	104		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		LCS	Precision	MS
						SMP	
DEP SOP: NU-094-1	Color (true)	99.9				0.278	
EPA 180.1 Rev. 2.0	Turbidity	100				1.65	
EPA 300.0 Rev. 2.1	Chloride	98.8	98.4	98.2		0.599	
	Sulfate	97.5	93.9	96.5		0.800	
EPA 350.1 Rev. 2.0	Ammonia-N	101	99.8	102			1.14
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	103	95.7	87.3			5.62
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	100	102	102			0.0
EPA 365.1 Rev. 2.0	Total-P	105	108	107			0.252
EPA 8270E	2-Ethylhexyl	62.1	82.8	90.9			9.33
	2,3,4,5-tetrabromobenzoate (EHTBB)						
	Acetochlor	90.0	94.8	85.0			10.9
	Alachlor	78.9	77.9	68.5			12.8
	Aldrin	57.0	53.6	51.8			3.42
	Alpha-BHC	86.8	99.0	94.2			4.94
	Alpha-Chlordane	82.5	78.5	75.3			4.13
	Ametryn	113	132	112			16.3
	Atrazine	92.5					6.75
	Atrazine Desethyl	83.1	95.7	74.4			25.1
	Avobenzone	113	109	98.1			10.1
	Azinphos Methyl	70.4	103	109			5.86
	Azoxystrobin	86.3	95.2	110			14.2
	Beta-BHC	83.3	77.7	65.6			15.0
	Beta-Cyfluthrin	81.5	99.0	123			21.6
	Bifenthrin	53.3	76.9	84.5			9.52
	Bromacil	91.8	104	85.8			19.7
	Butylate	71.4	66.8	61.3			8.61
	Caffeine	93.3	101	104			2.61
	Carbophenothion	99.3	102	106			3.71
	Carfentrazone Ethyl	104	115	110			4.57
	Chlorfenapyr	81.5	86.9	85.9			1.22
	Chlorothalonil	90.6	116	133			13.6
	Chlorpyrifos Ethyl	100	99.8	84.6			16.5
	Chlorpyrifos Methyl	95.6	107	103			3.84
	Cis-Nonachlor	74.6	85.4	76.6			10.9
	Coumaphos	95.3	131	151			14.3
	Cyanazine	154	155	130			17.8
	Cypermethrin	94.8	103	120			15.5
	Cyprodinil	106	108	101			6.60
	Dacthal	85.8	96.5	86.5			10.9
	DDD-p,p'	73.8	83.0	76.1			8.71
	DDE-p,p'	77.5	78.8	74.9			5.07
	DDT-p,p'	70.0	74.3	80.4			7.86
	Dechlorane 602	28.0	37.2	39.4			5.66
	Dechlorane 603	86.9	77.9	74.0			5.09
	Dechlorane Plus	65.3	60.8	63.5			4.34
	Delta-BHC	96.3	117	115			2.31
	Deltamethrin	128	154	187			19.6
	Demeton	104	101	98.9			2.20
	Diazinon	109	119	114			3.89
	Dichlobenil	74.9	61.2	64.2			4.80
	Dicofol	76.8	82.2	81.4			0.860
	Dieldrin	79.2	76.7	74.8			2.54
	Difenoconazole	34.2	96.1	117			19.4

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Dimethenamid	79.8	86.3	89.8		3.99
	Dimethomorph	138	270	296		9.11
	Disulfoton	103	103	98.5		4.45
	Dithiopyr	97.3	46.0	50.8		9.90
	Endosulfan I	89.0	90.4	81.8		9.93
	Endosulfan II	60.6	61.5	68.1		10.1
	Endosulfan Sulfate	77.2	67.5	70.8		4.76
	Endrin	80.1	77.7	80.7		3.80
	Endrin Aldehyde	69.6	57.1	49.3		14.7
	Endrin Ketone	82.6	87.1	75.1		14.8
	EPTC	70.3	63.3	51.2		21.2
	Esfenvalerate	88.4	126	155		20.6
	Ethalfuralin	75.8	77.8	71.2		8.80
	Ethion	34.6	47.3	54.7		14.6
	Ethoprop	105	107	101		6.29
	Etridiazole	81.7	85.4	58.4		37.5
	Fenamiphos	105	104	96.8		6.97
	Fenbuconazole	44.8	90.5	98.0		7.99
	Fenpropathrin	85.0	107	103		3.93
	Fipronil	106	105	88.2		16.2
	Fipronil Desulfinyl	98.3	112	90.2		19.9
	Fipronil Sulfide	97.8	106	95.3		9.46
	Fipronil Sulfone	93.2	88.1	84.2		3.79
	Fluazifop-P-butyl	87.1	113	97.5		14.9
	Fludioxonil	69.3	77.2	76.1		1.54
	Flumioxazin	18.1	55.3	87.0		44.6
	Flutolanil	81.7	54.5	57.4		5.01
	Fluxapyroxad	53.8	72.9	86.4		16.9
	Fonofos	92.7	99.7	95.9		3.90
	Gamma-BHC	83.6	100	91.3		9.43
	Gamma-Chlordane	56.3	51.6	59.5		14.2
	Heptachlor	71.1	73.6	67.6		8.51
	Heptachlor Epoxide	81.9	86.9	82.8		4.87
	Hexabromobenzene	88.3	111	112		0.315
	Hexachlorobenzene	67.7	65.8	64.7		1.74
	Hexazinone	85.4	102	102		0.743
	Imazalil	96.4	83.4	91.9		9.63
	Iprodione	62.8	76.7	69.2		10.2
	Kepone	79.9	84.3	80.4		4.69
	Lambda-Cyhalothrin	64.8	164	187		13.2
	Loratadine	128	199	205		3.20
	Malathion	85.9	85.2	79.8		6.53
	Metalaxyl	103	100	101		0.945
	Methoprene	48.7	63.3	81.7		25.4
	Methoxychlor	77.7	68.1	75.8		10.8
	Metolachlor	84.4	88.3	90.9		2.85
	Metribuzin	99.9	95.8	98.8		3.07
	Mevinphos	115	109	104		4.36
	MGK-264	63.0	66.8	80.7		18.8
	Mirex	65.4	75.4	73.0		3.16
	Molinate	61.5	66.0	56.9		14.8
	Myclobutanil	89.4	92.6	87.6		5.46
	Naled	43.9	49.1	58.0		16.8
	Napropamide	65.6	73.1	72.7		0.460

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Norflurazon	98.6	109	97.3		11.5
	Octinoxate	101	114	104		8.55
	Oxadiazon	80.9	75.5	73.6		2.61
	Oxybenzone	110	127	130		2.29
	Oxychlordane	73.8	66.2	64.1		3.31
	Oxyfluorfen	91.4	95.6	96.1		0.543
	Parathion Ethyl	109	92.3	85.2		8.00
	Parathion Methyl	116	127	123		3.81
	PBB-153	61.9	103	112		8.25
	PBDE-47	52.7	82.9	83.1		0.155
	PBDE-99	41.1	78.8	83.3		5.64
	PCB-1016	66.9	61.7	57.3		7.46
	PCB-1260	70.1	60.2	63.9		6.01
	Pendimethalin	118	118	105		11.5
	Pentabromotoluene	86.1	98.1	92.0		6.48
	Permethrin	73.5	86.7	97.5		11.7
	Phenothrin	57.8	70.1	87.6		22.2
	Phenytoin	24.0	23.6	23.3		1.07
	Phorate	99.9	110	110		0.382
	Piperonyl Butoxide	66.0	67.6	77.0		12.9
	Prallethrin	69.7	100	120		17.7
	Prodiamine	48.5	65.1	64.9		0.353
	Prometon	110	85.4	89.6		4.75
	Prometryn	127	54.5	54.1		0.754
	Pronamide	108	107	96.8		10.4
	Propanil	86.9	91.0	83.7		8.35
	Propargite	34.7	48.3	46.7		3.34
	Propiconazole	66.5	76.9	79.2		2.98
	Pyraflufen Ethyl	95.4	109	106		3.58
	Pyridaben	88.7	131	129		1.52
	Pyriproxyfen	32.5	77.1	78.1		1.22
	Simazine	74.5	73.2	70.6		3.53
	Stirophos	26.7	18.2	19.2		5.63
	Sulfentrazone	68.9	91.3	87.4		4.32
	Tau-Fluvalinate	88.3	128	157		20.0
	Tebuconazole	34.3	51.3	52.5		2.29
	Terbufos	111	116	101		13.9
	Terbutylazine	86.3	92.7	79.5		15.4
	Tetradecachloro-m-terphenyl	172	91.6	77.9		16.2
	Tetramethrin	116	166	169		2.09
	Thiobencarb	83.0	80.4	71.4		11.9
	Trans-Nonachlor	54.1	47.1	55.1		15.6
	Tri-o-cresyl Phosphate	101	112	106		5.42
	Triadimefon	79.3	90.6	77.3		15.9
	Triclosan Methyl	82.4	78.4	62.0		23.3
	Trifluralin	72.1	70.5	66.9		5.24
	Tris(1-chloro-2-propyl) phosphate (TCPP)	105	85.9	86.7		0.681
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	84.5	106	83.0		23.8
	Tris(2-chloroethyl) phosphate (TCEP)	103	111	102		8.64
EPA 8276	Chlordane	78.7	69.7	69.1		0.872
	Toxaphene	89.4	84.7	82.5		2.54

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	Precision		
				LCS	SMP	MS
SM 2320 B-2011	Total Alkalinity	96.6			0.774	
SM 2540 C-2015	TDS	104			2.99	
SM 2540 D-2015	TSS	91.4				
SM 4500-F- C-2011	Fluoride	96.9				0.476
SM 5310 B-2011	Organic Carbon	93.4	94.6 96.9			1.85

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2426745, 2426746
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2426745, 2426746
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2426745, 2426746
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2426745, 2426746
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2426747, 2426748
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2426747, 2426748
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2426747, 2426748
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2426747, 2426748
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2426757
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2426756
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2426757
EPA 8270E	PCBs in water matrices by GC/MS/MS	2426756
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2426756
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2426745, 2426746
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2426745, 2426746
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2426745, 2426746
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2426745, 2426746
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2426747, 2426748

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	07/26/2023			07/26/2023 14:12	Samantha L. Bates	2426745
	07/26/2023			07/26/2023 14:13	Samantha L. Bates	2426746
EPA 180.1 Rev. 2.0	07/26/2023			07/26/2023 14:02	Anna M. Plaviak	2426745
	07/26/2023			07/26/2023 14:03	Anna M. Plaviak	2426746
EPA 300.0 Rev. 2.1	07/26/2023			07/28/2023 22:48	Anna M. Plaviak	2426745
	07/26/2023			07/28/2023 23:03	Anna M. Plaviak	2426746
EPA 350.1 Rev. 2.0	07/26/2023			08/03/2023 11:15	Ping Hua	2426747
	07/26/2023			08/03/2023 11:16	Ping Hua	2426748
EPA 351.2 Rev. 2.0	07/26/2023	07/27/2023 12:39	Dana G. Hughes	07/31/2023 16:44	Samantha L. Bates	2426747
	07/26/2023	07/27/2023 12:39	Dana G. Hughes	07/31/2023 16:45	Samantha L. Bates	2426748
EPA 353.2 Rev. 2.0	07/26/2023			07/27/2023 11:55	Beverly Y. Sanders	2426747
	07/26/2023			07/27/2023 12:02	Beverly Y. Sanders	2426748
EPA 365.1 Rev. 2.0	07/26/2023	08/02/2023 14:24	Alexis Price	08/03/2023 16:28	James L. Waggeberby	2426747
	07/26/2023	08/02/2023 14:24	Alexis Price	08/03/2023 16:29	James L. Waggeberby	2426748
EPA 8270E	07/26/2023	07/27/2023 08:00	Fe-Val Siddell	07/28/2023 23:03	Arthur Maknenko	2426757
	07/26/2023	07/27/2023 08:00	Fe-Val Siddell	08/01/2023 18:31	Vandana T. Nagar	2426757
	07/26/2023	07/27/2023 08:00	Fe-Val Siddell	08/07/2023 19:30	Vandana T. Nagar	2426757
	07/26/2023	07/31/2023 08:30	Rasheda Ghaffari	08/02/2023 20:50	Michael Poppell	2426756
	07/26/2023	07/31/2023 08:30	Rasheda Ghaffari	08/03/2023 23:32	Julie Wi	2426756
EPA 8276	07/26/2023	07/31/2023 08:30	Rasheda Ghaffari	08/03/2023 17:44	Arthur Maknenko	2426756
SM 2320 B-2011	07/26/2023			08/01/2023 23:00	Dale L. Simmons	2426745
	07/26/2023			08/01/2023 23:09	Dale L. Simmons	2426746
SM 2540 C-2015	07/26/2023			07/27/2023 16:02	Yijie Li	2426745, 2426746
SM 2540 D-2015	07/26/2023			07/27/2023 16:02	Yijie Li	2426745, 2426746
SM 4500-F- C-2011	07/26/2023			08/01/2023 23:00	Dale L. Simmons	2426745
	07/26/2023			08/01/2023 23:09	Dale L. Simmons	2426746
SM 5310 B-2011	07/26/2023			08/01/2023 20:08	Elise M. Gillis	2426747
	07/26/2023			08/01/2023 21:36	Elise M. Gillis	2426748