

Chemical Analysis Report

NE-DIST-2023-12-12-01

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

Event Description: **LSJR North 2023**
Request ID: **RQ-2023-12-04-30**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
Attn: Jeremy Parrish

For additional information please contact
Colin Wright, Ph.D.
Chris Bowen, B.S.
Marek Topolski, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 12-JAN-2024 14:13



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: Little Sixmile Cr at Pickettvile Rd

Collection Date/Time: 12/11/2023 09:50

Field ID: 20030011

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456254	DEP SOP: NU-094-1	Color (true)	66		PCU	P438852	
	EPA 180.1 Rev. 2.0	Turbidity	11	A	NTU	P438846	
	EPA 300.0 Rev. 2.1	Chloride	15		mg Cl/L	P439333	
		Sulfate	22		mg SO4/L	P439336	
	SM 2320 B-2011	Total Alkalinity	85		mg CaCO3/L	P439118	
	SM 2540 C-2015	TDS	177		mg/L	P439353	
	SM 2540 D-2015	TSS	8	I	mg/L	P439295	
	SM 4500-F- C-2011	Fluoride	0.13		mg F/L	P439121	
2456255	EPA 350.1 Rev. 2.0	Ammonia-N	0.020		mg N/L	P438990	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.57		mg N/L	P438854	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.11		mg N/L	P439172	
	EPA 365.1 Rev. 2.0	Total-P	0.092		mg P/L	P438970	
	SM 5310 B-2014	Organic Carbon	11		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: Little Trout River at Old Kings Rd

Collection Date/Time: 12/11/2023 11:10

Field ID: 20030739

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456250	DEP SOP: NU-094-1	Color (true)	360		PCU	P438852	
	EPA 180.1 Rev. 2.0	Turbidity	6.3		NTU	P438846	
	EPA 300.0 Rev. 2.1	Chloride	19		mg Cl/L	P439333	
		Sulfate	5.8		mg SO4/L	P439336	
	SM 2320 B-2011	Total Alkalinity	23		mg CaCO3/L	P439118	
	SM 2540 C-2015	TDS	132		mg/L	P439353	
	SM 2540 D-2015	TSS	4	I	mg/L	P439295	
2456251	SM 4500-F- C-2011	Fluoride	0.057	I	mg F/L	P439121	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.011		mg N/L	P438990	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P438961	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.024		mg N/L	P439172	
	EPA 365.1 Rev. 2.0	Total-P	0.099		mg P/L	P438970	
2456269	SM 5310 B-2014	Organic Carbon	33		mg C/L	P439102	
	EPA 8321B	2,4-D	0.0035	I	ug/L	P438885	
		Acesulfame K	0.10	U	ug/L	P438838	
		2,4,5-T	0.0040	U	ug/L	P438885	
		AMPA	0.10	U	ug/L	P438838	
		Acetaminophen	0.0080	U	ug/L	P438885	
		Acetamiprid	0.0020	U	ug/L	P438885	
		Endothall	0.25	U	ug/L	P438838	
		Glufosinate	0.10	U	ug/L	P438838	
		Glyphosate	0.10	U	ug/L	P438838	
		Afidopyropen	0.0020	U	ug/L	P438885	
		Bentazon	8.0E-04	U	ug/L	P438885	
		Sucralose	0.081		ug/L	P438838	
		Benzovindiflupyr	0.0020	U	ug/L	P438885	
		Carbamazepine	8.0E-04	U	ug/L	P438885	
		Clothianidin	0.0020	U	ug/L	P438885	
		Dinotefuran	0.0020	U	ug/L	P438885	
		Diuron	0.0020	U	ug/L	P438885	
		Fenuron	0.032	U	ug/L	P438885	
		Fluridone	8.3E-04	I	ug/L	P438885	
		Imazapyr	0.025		ug/L	P438885	
		Hydrocodone	0.0020	U	ug/L	P438885	
		Ibuprofen	0.080	U	ug/L	P438885	
		Imidacloprid	0.0020	U	ug/L	P438885	
		Linuron	0.0040	U	ug/L	P438885	
		Mandestrobin	0.0020	U	ug/L	P438885	
		MCP	0.0020	U	ug/L	P438885	
		Naproxen	0.0080	U	ug/L	P438885	
		Primidone	0.0040	U	ug/L	P438885	
		Pyraclostrobin	0.0020	U	ug/L	P438885	
		Silvex	0.0040	U	ug/L	P438885	
		Thiamethoxam	0.0020	U	ug/L	P438885	

Field ID: 20030739

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456269	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P438885	
		Triclopyr	0.0040	U	ug/L	P438885	

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: Tributary to Trout at Capper Rd

Collection Date/Time: 12/11/2023 11:50

Field ID: G2NE1208

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456252	DEP SOP: NU-094-1	Color (true)	190		PCU	P438852	
	EPA 180.1 Rev. 2.0	Turbidity	5.7		NTU	P438846	
	EPA 300.0 Rev. 2.1	Chloride	22		mg Cl/L	P439333	
		Sulfate	8.7		mg SO4/L	P439336	
	SM 2320 B-2011	Total Alkalinity	52		mg CaCO3/L	P439118	
	SM 2540 C-2015	TDS	144		mg/L	P439353	
	SM 2540 D-2015	TSS	5	I	mg/L	P439295	
2456253	SM 4500-F- C-2011	Fluoride	0.10		mg F/L	P439121	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.023		mg N/L	P438990	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.62		mg N/L	P438961	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.020		mg N/L	P439172	
	EPA 365.1 Rev. 2.0	Total-P	0.17		mg P/L	P438970	
2456270	SM 5310 B-2014	Organic Carbon	18		mg C/L	P439102	
	EPA 8321B	2,4-D	0.069		ug/L	P438885	
		Acesulfame K	0.28	I	ug/L	P438838	
		2,4,5-T	0.0040	U	ug/L	P438885	
		AMPA	0.10	U	ug/L	P438838	
		Acetaminophen	0.061		ug/L	P438885	
		Acetamiprid	0.0020	U	ug/L	P438885	
		Endothall	0.25	U	ug/L	P438838	
		Glufosinate	0.10	U	ug/L	P438838	
		Glyphosate	0.10	U	ug/L	P438838	
		Afidopyropen	0.0020	U	ug/L	P438885	
		Bentazon	0.0052		ug/L	P438885	
		Sucralose	0.34		ug/L	P438838	
		Benzovindiflupyr	0.0020	U	ug/L	P438885	
		Carbamazepine	8.0E-04	U	ug/L	P438885	
		Clothianidin	0.0020	U	ug/L	P438885	
		Dinotefuran	0.0020	U	ug/L	P438885	
		Diuron	0.075		ug/L	P438885	
		Fenuron	0.032	U	ug/L	P438885	
		Fluridone	0.0034		ug/L	P438885	
		Imazapyr	0.084		ug/L	P438885	
		Hydrocodone	0.0020	U	ug/L	P438885	
		Ibuprofen	0.080	U	ug/L	P438885	
		Imidacloprid	0.0051	I	ug/L	P438885	
		Linuron	0.0040	U	ug/L	P438885	
		Mandestrobin	0.0020	U	ug/L	P438885	
		MCPP	0.0020	U	ug/L	P438885	
		Naproxen	0.0080	U	ug/L	P438885	
		Primidone	0.0040	U	ug/L	P438885	
		Pyraclostrobin	0.0020	U	ug/L	P438885	
		Silvex	0.0040	U	ug/L	P438885	
		Thiamethoxam	0.0020	U	ug/L	P438885	

Field ID: G2NE1208

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456270	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P438885	
		Triclopyr	0.0040	U	ug/L	P438885	

Ref. Method and Comment:
SM 2540 C-2015: The reported result is consistent with the conductivity measured in the laboratory, 200 umhos/cm.
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Tributary to Trout at Bessent Rd

Collection Date/Time: 12/11/2023 12:10

Field ID: G2NE1207

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456256	DEP SOP: NU-094-1	Color (true)	170		PCU	P438852	
	EPA 180.1 Rev. 2.0	Turbidity	7.6		NTU	P438846	
	EPA 300.0 Rev. 2.1	Chloride	140		mg Cl/L	P439333	
		Sulfate	24		mg SO4/L	P439336	
	SM 2320 B-2011	Total Alkalinity	67		mg CaCO3/L	P439118	
	SM 2540 C-2015	TDS	349		mg/L	P439353	
	SM 2540 D-2015	TSS	7	I	mg/L	P439295	
	SM 4500-F- C-2011	Fluoride	0.13		mg F/L	P439121	
2456257	EPA 350.1 Rev. 2.0	Ammonia-N	0.024		mg N/L	P438990	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.75		mg N/L	P439107	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.026		mg N/L	P439172	
	EPA 365.1 Rev. 2.0	Total-P	0.16		mg P/L	P438971	
	SM 5310 B-2014	Organic Carbon	18		mg C/L	P439102	
2456271	EPA 8321B	Aldicarb	0.020	U	ug/L	P438625	
		Aldicarb Sulfone	0.0020	U	ug/L	P438625	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P438625	
		Carbaryl	0.0020	U	ug/L	P438625	
		Carbofuran	0.0020	U	ug/L	P438625	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P438625	
		Methiocarb	0.0020	U	ug/L	P438625	
		Methomyl	0.0020	U	ug/L	P438625	
		Oxamyl	0.0020	U	ug/L	P438625	
		Propoxur	0.0020	U	ug/L	P438625	
2456272		2,4-D	0.064		ug/L	P438885	
		Acesulfame K	0.22	I	ug/L	P438838	
		2,4,5-T	0.0040	U	ug/L	P438885	
		AMPA	0.10	U	ug/L	P438838	
		Acetaminophen	0.040		ug/L	P438885	
		Acetamiprid	0.0020	U	ug/L	P438885	
		Endothall	0.25	U	ug/L	P438838	
		Glufosinate	0.10	U	ug/L	P438838	
		Glyphosate	0.10	U	ug/L	P438838	
		Afidopyropen	0.0020	U	ug/L	P438885	
		Bentazon	0.0054		ug/L	P438885	
		Sucralose	0.14		ug/L	P438838	
		Benzovindiflupyr	0.0020	U	ug/L	P438885	
		Carbamazepine	8.0E-04	U	ug/L	P438885	
		Clothianidin	0.0059	I	ug/L	P438885	
		Dinotefuran	0.0020	U	ug/L	P438885	
		Diuron	0.26		ug/L	P438885	
		Fenuron	0.032	U	ug/L	P438885	
		Fluridone	0.0030	I	ug/L	P438885	
		Imazapyr	0.15		ug/L	P438885	
		Hydrocodone	0.0020	U	ug/L	P438885	

Field ID: G2NE1207

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456272	EPA 8321B	Ibuprofen	0.080	U	ug/L	P438885	
		Imidacloprid	0.0060	I	ug/L	P438885	
		Linuron	0.0040	U	ug/L	P438885	
		Mandestrobin	0.0020	U	ug/L	P438885	
		MCP	0.0020	U	ug/L	P438885	
		Naproxen	0.0080	U	ug/L	P438885	
		Primidone	0.0040	U	ug/L	P438885	
		Pyraclostrobin	0.0020	U	ug/L	P438885	
		Silvex	0.0040	U	ug/L	P438885	
		Thiamethoxam	0.0020	U	ug/L	P438885	
		Tolfenpyrad	0.0020	U	ug/L	P438885	
		Triclopyr	0.0040	U	ug/L	P438885	
2456273	EPA 8270E	Aldrin	0.66	U	ng/L	P439005	
		Alpha-BHC	0.10	U	ng/L	P439005	
		Alpha-Chlordane	0.20	U	ng/L	P439005	
		PCB-1016	2.0	U	ng/L	P439005	
		Beta-BHC	0.10	U	ng/L	P439005	MS, RPD
		PCB-1221	2.0	U	ng/L	P439005	
		Beta-Cyfluthrin	1.3	U	ng/L	P439005	
		PCB-1232	2.0	U	ng/L	P439005	
		Bifenthrin	0.51	U	ng/L	P439005	
		PCB-1242	2.0	U	ng/L	P439005	
		PCB-1248	2.0	U	ng/L	P439005	
		Chlorothalonil	3.7	U	ng/L	P439005	
		PCB-1254	2.0	U	ng/L	P439005	
		Cis-Nonachlor	0.20	U	ng/L	P439005	
		PCB-1260	2.0	U	ng/L	P439005	
		Cypermethrin	1.5	U	ng/L	P439005	
		Dacthal	0.15	U	ng/L	P439005	
		DDD-p,p'	0.26	U	ng/L	P439005	
		DDE-p,p'	0.20	U	ng/L	P439005	
		DDT-p,p'	0.82	U	ng/L	P439005	
		Delta-BHC	0.41	U	ng/L	P439005	
		Deltamethrin	1.3	U	ng/L	P439005	
		Dichlobenil	0.26	U	ng/L	P439005	
		Dicofol	1.3	U	ng/L	P439005	
		Dieldrin	0.41	U	ng/L	P439005	RPD
		Endosulfan I	0.41	U	ng/L	P439005	
		Endosulfan II	0.92	U	ng/L	P439005	
		Endosulfan Sulfate	0.31	U	ng/L	P439005	
		Endrin	0.92	U	ng/L	P439005	
		Endrin Aldehyde	0.77	U	ng/L	P439005	
		Endrin Ketone	0.41	U	ng/L	P439005	
		Esfenvalerate	0.77	U	ng/L	P439005	
		Ethalfuralin	0.15	U	ng/L	P439005	RPD

Field ID: G2NE1207

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456273	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P439005	MS, RPD
		Gamma-BHC	0.13	U	ng/L	P439005	
		Gamma-Chlordane	0.20	U	ng/L	P439005	
		Heptachlor	0.20	U	ng/L	P439005	
		Heptachlor Epoxide	0.26	U	ng/L	P439005	
		Hexachlorobenzene**	1.0	U	ng/L	P439005	
		Kepone	14	U	ng/L	P439005	
		Lambda-Cyhalothrin	0.77	U	ng/L	P439005	
		Methoprene	0.77	U	ng/L	P439005	
		Methoxychlor	0.31	U	ng/L	P439005	
		MGK-264	0.20	U	ng/L	P439005	
		Mirex	0.36	U	ng/L	P439005	RPD
		Oxychlordane	0.31	U	ng/L	P439005	
		Permethrin	1.6	U	ng/L	P439005	
		Phenothrin	0.92	U	ng/L	P439005	
		Piperonyl Butoxide	0.93		ng/L	P439005	
		Prallethrin	2.0	U	ng/L	P439005	
		Tau-Fluvalinate	0.26	U	ng/L	P439005	
		Tetramethrin	0.77	U	ng/L	P439005	
		Trans-Nonachlor	0.20	U	ng/L	P439005	MS, RPD
		Triclosan Methyl	0.15	U	ng/L	P439005	
		Trifluralin	0.20	U	ng/L	P439005	
2456274	EPA 8270E	Chlordane	2.0	UJ	ng/L	P439005	SUR
		Toxaphene	15	UJ	ng/L	P439005	
		Oxybenzone**	10	U	ng/L	P439019	LCS
		Acetochlor	0.21	UJ	ng/L	P439019	
		Octinoxate**	150	UJ	ng/L	P439019	
		Alachlor	0.41	U	ng/L	P439019	CCV
		Avobenzone**	100	U	ng/L	P439019	
		Ametryn	1.1	U	ng/L	P439019	
		Atrazine	16		ng/L	P439019	
		PBDE-47**	4.1	U	ng/L	P439019	
		Atrazine Desethyl	1.3	UJ	ng/L	P439019	
		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	1.6	I	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**	200		ng/L	P439019	
		Dechlorane 602**	5.2	U	ng/L	P439019	
		Carbophenothion	0.52	U	ng/L	P439019	

Field ID: G2NE1207

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456274	EPA 8270E	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	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	89		ng/L	P439019	
		Cyanazine	5.2	U	ng/L	P439019	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	9.1		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**	0.77		ng/L	P439019	
		Fipronil Sulfide	0.77		ng/L	P439019	MS
		Fipronil Sulfone	1.5		ng/L	P439019	
		Fluazifop-P-butyl	0.10	U	ng/L	P439019	
		Fludioxonil	0.10	U	ng/L	P439019	
		Flumioxazin	4.0	I	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	

Field ID: G2NE1207

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2456274	EPA 8270E	Malathion	0.36	U	ng/L	P439019	
		Metalaxyl	4.6	J	ng/L	P439019	
		Metolachlor	3.0	I	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	0.73	I	ng/L	P439019	
		Naled	2.6	U	ng/L	P439019	
		Napropamide	0.72	U	ng/L	P439019	
		Norflurazon	1.0	U	ng/L	P439019	
		Oxadiazon	0.51	I	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	2.9	I	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	6.7		ng/L	P439019	
		Stirophos	0.41	U	ng/L	P439019	
		Sulfentrazone	4.1	I	ng/L	P439019	
		Tebuconazole	7.8		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:

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

EPA 8276: Refer to the Lab Analysis Report for an explanation of QC Codes.

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: P438852

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P438846

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439333

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439336

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438990

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438854

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438961

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439107

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P438970

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P438971

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

Reference Method: EPA 8270E
Batch ID: P439005

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: P439005

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: P439005

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

Reference Method: EPA 8321B

Batch ID: P438625

Component	Result	Code	Units
3-Hydroxycarbofuran	0.0020	U	ug/L
Aldicarb	0.020	U	ug/L
Aldicarb Sulfone	0.0020	U	ug/L
Aldicarb Sulfoxide	0.0020	U	ug/L
Carbaryl	0.0020	U	ug/L
Carbofuran	0.0020	U	ug/L
Methiocarb	0.0020	U	ug/L
Methomyl	0.0020	U	ug/L
Oxamyl	0.0020	U	ug/L
Propoxur	0.0020	U	ug/L

Reference Method: EPA 8321B

Batch ID: P438838

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

Reference Method: EPA 8321B

Batch ID: P438885

Component	Result	Code	Units
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Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B

Batch ID: P438885

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.080	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: SM 2320 B-2011

Batch ID: P439118

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO3/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 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: P438852

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P438846

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439333

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439336

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438990

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438854

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438961

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	98.3		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439107

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	101		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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P438970

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P438971

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

Reference Method: EPA 8270E
Batch ID: P439005

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	57.1		P	30 - 96.0
Alpha-BHC	94.5		P	70 - 109
Alpha-Chlordane	81.7		P	45 - 107
Beta-BHC	103		P	64 - 138
Beta-Cyfluthrin	103		P	17 - 141
Bifenthrin	88.7		P	10 - 113
Chlorothalonil	75.3		P	26 - 180
Cis-Nonachlor	77.1		P	37 - 102
Cypermethrin	97.1		P	20 - 133
Dacthal	75.9		P	69 - 114
DDD-p,p'	81.5		P	42 - 105
DDE-p,p'	58.8		P	42 - 106
DDT-p,p'	74.4		P	42 - 107
Delta-BHC	84.4		P	67 - 144
Deltamethrin	149		P	15 - 149
Dichlobenil	72.3		P	46 - 117
Dicofol	72.9		P	34 - 114
Dieldrin	80.1		P	50 - 108
Endosulfan I	102		P	55 - 104
Endosulfan II	80.0		P	51 - 111
Endosulfan Sulfate	84.0		P	56 - 121
Endrin	101		P	10 - 106
Endrin Aldehyde	92.7		P	34 - 114
Endrin Ketone	124		P	63 - 177
Esfenvalerate	126		P	29 - 143
Ethalfuralin	92.2		P	46 - 96.0
Fenpropathrin	79.6		P	28 - 115
Gamma-BHC	88.4		P	65 - 121
Gamma-Chlordane	80.1		P	39 - 103
Heptachlor	69.4		P	39 - 94.0
Heptachlor Epoxide	69.6		P	54 - 104
Hexachlorobenzene	60.4		P	36 - 100
Kepone	124		P	10 - 225
Lambda-Cyhalothrin	123		P	10 - 135
Methoprene	60.5		P	10 - 109
Methoxychlor	99.9		P	52 - 112
MGK-264	89.5		P	44 - 117
Mirex	74.6		P	20 - 90.0
Oxychlordane	50.2		P	44 - 102
PCB-1016	79.2		P	45 - 107

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P439005

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PCB-1260	90.0		P	40 - 118
Permethrin	111		P	18 - 135
Phenothrin	99.4		P	10 - 102
Piperonyl Butoxide	110		P	28 - 156
Prallethrin	102		P	28 - 113
Tau-Fluvalinate	119		P	10 - 123
Tetramethrin	91.7		P	18 - 158
Trans-Nonachlor	55.0		P	39 - 104
Triclosan Methyl	79.3		P	54 - 108
Trifluralin	62.0		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: P439005

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	117		P	43 - 123
Toxaphene	127		P	27 - 156

Reference Method: EPA 8321B

Batch ID: P438625

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	91.8		P	40 - 150
Aldicarb	65.0		P	30 - 150
Aldicarb Sulfone	102		P	40 - 150
Aldicarb Sulfoxide	121		P	40 - 150
Carbaryl	71.2		P	40 - 150
Carbofuran	72.5		P	40 - 150
Methiocarb	73.2		P	40 - 150
Methomyl	89.4		P	40 - 150
Oxamyl	93.0		P	40 - 150
Propoxur	71.8		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P438838

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	122		P	40 - 150
AMPA	96.7		P	40 - 160
Endothall	98.6		P	40 - 160
Glufosinate	97.0		P	40 - 160
Glyphosate	92.6		P	40 - 160
Sucralose	99.2		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P438885

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	106		P	40 - 150
2,4,5-T	115		P	40 - 150
Acetaminophen	50.5		P	30 - 150
Acetamiprid	80.0		P	40 - 150
Afidopyropen	67.8		P	30 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P438885

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Bentazon	73.4		P	30 - 150
Benzovindiflupyr	84.5		P	40 - 150
Carbamazepine	86.4		P	40 - 150
Clothianidin	93.9		P	40 - 150
Dinotefuran	108		P	40 - 150
Diuron	86.8		P	40 - 150
Fenuron	91.8		P	40 - 150
Fluridone	95.9		P	40 - 150
Hydrocodone	96.9		P	40 - 150
Ibuprofen	70.2		P	40 - 150
Imazapyr	92.4		P	40 - 150
Imidacloprid	91.2		P	40 - 150
Linuron	80.4		P	40 - 150
Mandestrobin	94.1		P	40 - 150
MCPP	101		P	40 - 150
Naproxen	74.6		P	40 - 150
Primidone	89.0		P	40 - 150
Pyraclostrobin	82.9		P	40 - 150
Silvex	88.1		P	40 - 150
Thiamethoxam	96.2		P	40 - 150
Tolfenpyrad	58.8		P	30 - 150
Triclopyr	120		P	40 - 150

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 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 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: P439333

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456168	Chloride	101		P	90 - 110
2456233	Chloride	96.5		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439336

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456168	Sulfate	97.3		P	90 - 110
2456233	Sulfate	95.5		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438990

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456251	Ammonia-N	98.8	98.2	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438854

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456255	Kjeldahl Nitrogen	102	98.3	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438961

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456172	Kjeldahl Nitrogen	99.5	99.7	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439107

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456448	Kjeldahl Nitrogen	103	101	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: P438970

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456255	Total-P	110	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P438971

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456360	Total-P	106	105	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P439005

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456282	Aldrin	60.1	47.3	P/P	24 - 81.0
2456282	Alpha-BHC	83.0	71.5	P/P	65 - 110
2456282	Alpha-Chlordane	53.1	68.5	P/P	43 - 119
2456282	Beta-BHC	51.6	92.8	F/P	54 - 165
2456282	Beta-Cyfluthrin	95.1	86.4	P/P	27 - 165
2456282	Bifenthrin	82.0	73.3	P/P	17 - 117
2456282	Chlorothalonil	54.8	76.5	P/P	10 - 255
2456282	Cis-Nonachlor	94.3	82.1	P/P	34 - 98.0
2456282	Cypermethrin	67.9	82.1	P/P	25 - 143
2456282	Dacthal	79.6	83.5	P/P	55 - 139
2456282	DDD-p,p'	92.1	72.4	P/P	30 - 109
2456282	DDE-p,p'	46.2	52.3	P/P	35 - 106
2456282	DDT-p,p'	62.4	64.7	P/P	41 - 101
2456282	Delta-BHC	83.7	94.0	P/P	58 - 165
2456282	Deltamethrin	76.0	120	P/P	10 - 194
2456282	Dichlobenil	48.9	69.1	P/P	22 - 114
2456282	Dicofol	66.8	74.2	P/P	17 - 133
2456282	Dieldrin	123	61.1	P/P	45 - 129
2456282	Endosulfan I	77.5	70.9	P/P	49 - 104
2456282	Endosulfan II	66.3	67.8	P/P	37 - 117
2456282	Endosulfan Sulfate	91.9	82.8	P/P	38 - 128
2456282	Endrin	82.7	78.2	P/P	35 - 116
2456282	Endrin Aldehyde	105	95.6	P/P	19 - 108
2456282	Endrin Ketone	115	93.8	P/P	44 - 134
2456282	Esfenvalerate	87.9	99.7	P/P	27 - 176
2456282	Ethalfuralin	71.3	53.8	P/P	49 - 100
2456282	Fenpropathrin	74.5	70.5	P/P	34 - 117
2456282	Gamma-BHC	44.6	76.5	F/P	59 - 129
2456282	Gamma-Chlordane	66.7	67.3	P/P	33 - 107
2456282	Heptachlor	59.1	46.4	P/P	37 - 94.0
2456282	Heptachlor Epoxide	89.5	81.2	P/P	38 - 118
2456282	Hexachlorobenzene	37.6	41.2	P/P	35 - 97.0
2456282	Kepone	104	137	P/P	10 - 221
2456282	Lambda-Cyhalothrin	88.5	85.0	P/P	23 - 190
2456282	Methoprene	39.4	42.1	P/P	21 - 109
2456282	Methoxychlor	109	87.3	P/P	46 - 118
2456282	MGK-264	75.5	80.7	P/P	39 - 122
2456282	Mirex	34.0	65.3	P/P	25 - 90.0
2456282	Oxychlordane	44.0	53.5	P/P	42 - 100
2456282	Permethrin	101	71.9	P/P	33 - 181
2456282	Phenothrin	53.5	70.5	P/P	12 - 125
2456282	Piperonyl Butoxide	56.0	86.0	P/P	10 - 178
2456282	Prallethrin	103	89.8	P/P	24 - 122
2456282	Tau-Fluvalinate	88.3	122	P/P	13 - 151
2456282	Tetramethrin	68.8	81.9	P/P	16 - 172
2456282	Trans-Nonachlor	30.9	81.7	F/P	39 - 100
2456282	Triclosan Methyl	49.4	66.7	P/P	43 - 110
2456282	Trifluralin	58.8	77.7	P/P	45 - 94.0
2456294	PCB-1016	77.7	76.7	P/P	45 - 107
2456294	PCB-1260	85.4	74.4	P/P	40 - 112

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	Stiropfos	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: P439005

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456294	Chlordane	87.0	103	P/P	43 - 123
2456294	Toxaphene	79.7	89.2	P/P	27 - 156

Reference Method: EPA 8321B

Batch ID: P438625

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

Reference Method: EPA 8321B

Batch ID: P438625

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2455118	3-Hydroxycarbofuran	89.8	76.4	P/P	40 - 150
2455118	Aldicarb	70.7	62.0	P/P	30 - 150
2455118	Aldicarb Sulfone	99.1	94.4	P/P	40 - 150
2455118	Aldicarb Sulfoxide	43.9	44.1	P/P	40 - 150
2455118	Carbaryl	69.3	63.9	P/P	40 - 150
2455118	Carbofuran	63.5	62.2	P/P	40 - 150
2455118	Methiocarb	58.4	58.1	P/P	40 - 150
2455118	Methomyl	85.4	82.5	P/P	40 - 150
2455118	Oxamyl	89.3	84.9	P/P	40 - 150
2455118	Propoxur	62.7	63.2	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P438838

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456269	Acesulfame K	117	118	P/P	40 - 150
2456269	AMPA	93.4	93.6	P/P	40 - 160
2456269	Endothall	92.1	103	P/P	40 - 160
2456269	Glufosinate	95.3	89.3	P/P	40 - 160
2456269	Glyphosate	73.5	72.6	P/P	40 - 160
2456269	Sucralose	96.1	105	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P438885

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456192	2,4-D	103	96.0	P/P	40 - 150
2456192	2,4,5-T	92.2	90.8	P/P	40 - 150
2456192	Acetaminophen	52.7	46.3	P/P	30 - 150
2456192	Acetamiprid	96.9	90.8	P/P	40 - 150
2456192	Afidopyropen	87.2	75.6	P/P	30 - 150
2456192	Bentazon	70.8	70.0	P/P	30 - 150
2456192	Benzovindiflupyr	88.2	80.2	P/P	40 - 150
2456192	Carbamazepine	90.1	81.6	P/P	40 - 150
2456192	Clothianidin	95.4	86.7	P/P	40 - 150
2456192	Dinotefuran	107	98.0	P/P	40 - 150
2456192	Diuron	79.6	74.3	P/P	40 - 150
2456192	Fenuron	85.4	77.5	P/P	40 - 150
2456192	Fluridone	97.4	82.8	P/P	40 - 150
2456192	Hydrocodone	98.2	89.1	P/P	40 - 150
2456192	Ibuprofen	69.9	68.9	P/P	40 - 150
2456192	Imazapyr	100	88.2	P/P	40 - 150
2456192	Imidacloprid	103	92.8	P/P	40 - 150
2456192	Linuron	72.3	70.5	P/P	40 - 150
2456192	Mandestrobin	94.6	89.4	P/P	40 - 150
2456192	MCCPP	97.3	92.5	P/P	40 - 150
2456192	Naproxen	80.0	82.2	P/P	40 - 150
2456192	Primidone	84.8	81.1	P/P	40 - 150
2456192	Pyraclostrobin	81.9	77.0	P/P	40 - 150
2456192	Silvex	92.5	84.3	P/P	40 - 150
2456192	Thiamethoxam	89.2	81.1	P/P	40 - 150
2456192	Tolfenpyrad	51.6	49.2	P/P	30 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P438885

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2456192	Triclopyr	100	92.9	P/P	40 - 150

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 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: P438852

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456235	Color (true)	2.58	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P438846

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456254	Turbidity	3.51	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439333

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456168	Chloride	0.172	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P439336

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456168	Sulfate	0.226	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P438990

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456251	Ammonia-N	0.500	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438854

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456255	Kjeldahl Nitrogen	2.94	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P438961

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456172	Kjeldahl Nitrogen	0.146	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P439107

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456448	Kjeldahl Nitrogen	1.37	Spike	P	0 - 20

Quality Assurance Report Precision

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P438970

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456255	Total-P	3.49	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P438971

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456360	Total-P	0.676	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P439005

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456282	Aldrin	23.7	Spike	P	0 - 41
2456282	Alpha-BHC	14.9	Spike	P	0 - 25
2456282	Alpha-Chlordane	9.92	Spike	P	0 - 32
2456282	Beta-BHC	57.0	Spike	F	0 - 33
2456282	Beta-Cyfluthrin	9.65	Spike	P	0 - 43
2456282	Bifenthrin	11.2	Spike	P	0 - 52
2456282	Chlorothalonil	33.1	Spike	P	0 - 82
2456282	Cis-Nonachlor	11.8	Spike	P	0 - 33
2456282	Cypermethrin	18.9	Spike	P	0 - 51
2456282	Dacthal	4.83	Spike	P	0 - 27
2456282	DDD-p,p'	23.9	Spike	P	0 - 39
2456282	DDE-p,p'	12.4	Spike	P	0 - 31
2456282	DDT-p,p'	3.64	Spike	P	0 - 29
2456282	Delta-BHC	11.5	Spike	P	0 - 35
2456282	Deltamethrin	44.7	Spike	P	0 - 100
2456282	Dichlobenil	34.3	Spike	P	0 - 40
2456282	Dicofol	10.5	Spike	P	0 - 37
2456282	Dieldrin	27.9	Spike	F	0 - 27
2456282	Endosulfan I	8.78	Spike	P	0 - 23
2456282	Endosulfan II	2.29	Spike	P	0 - 34
2456282	Endosulfan Sulfate	10.4	Spike	P	0 - 36
2456282	Endrin	5.55	Spike	P	0 - 45
2456282	Endrin Aldehyde	9.44	Spike	P	0 - 76
2456282	Endrin Ketone	20.7	Spike	P	0 - 43
2456282	Esfenvalerate	12.5	Spike	P	0 - 51
2456282	Ethalfuralin	28.0	Spike	F	0 - 22
2456282	Fenpropathrin	5.50	Spike	P	0 - 49
2456282	Gamma-BHC	52.7	Spike	F	0 - 28
2456282	Gamma-Chlordane	0.494	Spike	P	0 - 40
2456282	Heptachlor	24.2	Spike	P	0 - 29

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P439005

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456282	Heptachlor Epoxide	6.18	Spike	P	0 - 33
2456282	Hexachlorobenzene	9.20	Spike	P	0 - 36
2456282	Kepone	27.6	Spike	P	0 - 85
2456282	Lambda-Cyhalothrin	4.01	Spike	P	0 - 55
2456282	Methoprene	6.62	Spike	P	0 - 53
2456282	Methoxychlor	21.7	Spike	P	0 - 50
2456282	MGK-264	6.68	Spike	P	0 - 43
2456282	Mirex	63.0	Spike	F	0 - 40
2456282	Oxychlorane	19.7	Spike	P	0 - 31
2456282	Permethrin	34.1	Spike	P	0 - 50
2456282	Phenothrin	27.4	Spike	P	0 - 58
2456282	Piperonyl Butoxide	42.2	Spike	P	0 - 100
2456282	Prallethrin	13.9	Spike	P	0 - 39
2456282	Tau-Fluvalinate	32.0	Spike	P	0 - 54
2456282	Tetramethrin	17.5	Spike	P	0 - 51
2456282	Trans-Nonachlor	50.2	Spike	F	0 - 39
2456282	Triclosan Methyl	29.9	Spike	P	0 - 31
2456282	Trifluralin	27.7	Spike	F	0 - 22
2456294	PCB-1016	1.29	Spike	P	0 - 25
2456294	PCB-1260	13.8	Spike	P	0 - 30

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	Stiropfos	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: P439005

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456294	Chlordane	16.9	Spike	P	0 - 28
2456294	Toxaphene	7.90	Spike	P	0 - 27

Reference Method: EPA 8321B

Batch ID: P438625

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2455118	3-Hydroxycarbofuran	16.1	Spike	P	0 - 30
2455118	Aldicarb	13.1	Spike	P	0 - 30
2455118	Aldicarb Sulfone	4.85	Spike	P	0 - 30
2455118	Aldicarb Sulfoxide	0.503	Spike	P	0 - 30
2455118	Carbaryl	8.02	Spike	P	0 - 30
2455118	Carbofuran	2.04	Spike	P	0 - 30
2455118	Methiocarb	0.450	Spike	P	0 - 30
2455118	Methomyl	3.46	Spike	P	0 - 30
2455118	Oxamyl	5.02	Spike	P	0 - 30
2455118	Propoxur	0.809	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P438838

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456269	Acesulfame K	0.336	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P438838

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456269	AMPA	0.169	Spike	P	0 - 30
2456269	Endothall	11.2	Spike	P	0 - 30
2456269	Glufosinate	6.54	Spike	P	0 - 30
2456269	Glyphosate	1.28	Spike	P	0 - 30
2456269	Sucralose	8.83	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P438885

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2456192	2,4-D	7.24	Spike	P	0 - 30
2456192	2,4,5-T	1.61	Spike	P	0 - 30
2456192	Acetaminophen	12.9	Spike	P	0 - 30
2456192	Acetamiprid	6.55	Spike	P	0 - 30
2456192	Afidopyropen	14.2	Spike	P	0 - 30
2456192	Bentazon	1.23	Spike	P	0 - 30
2456192	Benzovindiflupyr	9.50	Spike	P	0 - 30
2456192	Carbamazepine	9.88	Spike	P	0 - 30
2456192	Clothianidin	9.59	Spike	P	0 - 30
2456192	Dinotefuran	9.12	Spike	P	0 - 30
2456192	Diuron	6.97	Spike	P	0 - 30
2456192	Fenuron	9.67	Spike	P	0 - 30
2456192	Fluridone	16.2	Spike	P	0 - 30
2456192	Hydrocodone	9.72	Spike	P	0 - 30
2456192	Ibuprofen	1.42	Spike	P	0 - 30
2456192	Imazapyr	11.9	Spike	P	0 - 30
2456192	Imidacloprid	10.6	Spike	P	0 - 30
2456192	Linuron	2.52	Spike	P	0 - 30
2456192	Mandestrobin	5.71	Spike	P	0 - 30
2456192	MCPP	4.98	Spike	P	0 - 30
2456192	Naproxen	2.65	Spike	P	0 - 30
2456192	Primidone	4.49	Spike	P	0 - 30
2456192	Pyraclostrobin	6.10	Spike	P	0 - 30
2456192	Silvex	9.31	Spike	P	0 - 30
2456192	Thiamethoxam	9.48	Spike	P	0 - 30
2456192	Tolfenpyrad	4.77	Spike	P	0 - 30
2456192	Triclopyr	7.31	Spike	P	0 - 30

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 2540 C-2015
Batch ID: P439353

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
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Quality Assurance Report Precision

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

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 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: 2456269
Field Sample ID: 20030739

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	87.9	P	30 - 160
EPA 8321B	Acetaminophen-d4	54.4	P	30 - 160
EPA 8321B	Carbamazepine-d10	49.3	P	30 - 160
EPA 8321B	Diuron-d6	46.7	P	30 - 160
EPA 8321B	Endothall-d6	119	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	82.5	P	30 - 160
EPA 8321B	Ibuprofen-d3	68.9	P	30 - 160
EPA 8321B	Primidone-d5	75.3	P	30 - 160
EPA 8321B	Sucralose-d6	107	P	30 - 160

Lab Sample ID: 2456270
Field Sample ID: G2NE1208

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	85.5	P	30 - 160
EPA 8321B	Acetaminophen-d4	38.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	51.8	P	30 - 160
EPA 8321B	Diuron-d6	46.4	P	30 - 160
EPA 8321B	Endothall-d6	134	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	86.7	P	30 - 160
EPA 8321B	Ibuprofen-d3	59.5	P	30 - 160
EPA 8321B	Primidone-d5	74.2	P	30 - 160
EPA 8321B	Sucralose-d6	105	P	30 - 160

Lab Sample ID: 2456271
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	48.3	P	30 - 160

Lab Sample ID: 2456272
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	80.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	37.6	P	30 - 160
EPA 8321B	Carbamazepine-d10	53.5	P	30 - 160
EPA 8321B	Diuron-d6	49.1	P	30 - 160
EPA 8321B	Endothall-d6	147	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	79.4	P	30 - 160
EPA 8321B	Ibuprofen-d3	57.0	P	30 - 160
EPA 8321B	Primidone-d5	76.6	P	30 - 160
EPA 8321B	Sucralose-d6	60.4	P	30 - 160

Lab Sample ID: 2456273
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	108	P	37 - 129
EPA 8270E	Decachlorobiphenyl	64.8	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	50.6	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	74.0	P	29 - 95.0

Quality Assurance Report Surrogates

Lab Sample ID: 2456273
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	Decachlorobiphenyl	127	F	28 - 102
EPA 8276	PCNB	126	F	49 - 115

Lab Sample ID: 2456274
Field Sample ID: G2NE1207

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	68.7	P	20 - 200
EPA 8270E	Simazine-d10	75.7	P	58 - 137
EPA 8270E	Terbufos-d10	93.2	P	50 - 134
EPA 8270E	Terphenyl-d14	106	P	44 - 134

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A123164

Included Lab Sample IDs: 2456250, 2456252, 2456254, 2456256

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.5	99.5	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1

Run ID: A123166

Included Lab Sample IDs: 2456254

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	101	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A123167

Included Lab Sample IDs: 2456250, 2456252, 2456256

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	98.5	102	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A123171

Included Lab Sample IDs: 2456271

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	106	109	P/P	60 - 150
Aldicarb	102	90.0	P/P	60 - 150
Aldicarb Sulfone	106	108	P/P	50 - 150
Aldicarb Sulfoxide	107	108	P/P	50 - 150
Carbaryl	112	117	P/P	60 - 150
Carbofuran	114	111	P/P	50 - 150
Methiocarb	106	114	P/P	50 - 150
Methomyl	105	105	P/P	50 - 150
Oxamyl	108	108	P/P	50 - 150
Propoxur	112	112	P/P	50 - 150

Reference Method: EPA 8321B

Run ID: A123176

Included Lab Sample IDs: 2456269, 2456270, 2456272

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	119	117	P/P	60 - 160
Acesulfame K	124	119	P/P	60 - 160
Sucralose	101	105	P/P	60 - 160
Sucralose	107	101	P/P	60 - 160

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A123222

Included Lab Sample IDs: 2456255

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	106	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A123230

Included Lab Sample IDs: 2456251, 2456253, 2456255, 2456257

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.7	97.2	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A123240

Included Lab Sample IDs: 2456251, 2456253, 2456255, 2456257

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	100	99.8	P/P	90 - 110
Total-P	101	99.7	P/P	90 - 110
Total-P	99.7	100	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A123243

Included Lab Sample IDs: 2456269, 2456270, 2456272

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	116	109	P/P	50 - 150
2,4,5-T	97.3	106	P/P	50 - 150
Acetaminophen	102	85.9	P/P	60 - 160
Acetamiprid	110	110	P/P	50 - 150
Afidopyropen	99.5	102	P/P	50 - 150
Bentazon	102	93.7	P/P	50 - 160
Benzovindiflupyr	105	108	P/P	50 - 150
Carbamazepine	115	113	P/P	60 - 150
Clothianidin	104	103	P/P	60 - 150
Dinotefuran	113	116	P/P	50 - 150
Diuron	115	114	P/P	60 - 160
Fenuron	103	102	P/P	60 - 150
Fluridone	108	112	P/P	60 - 160
Hydrocodone	111	112	P/P	60 - 150
Ibuprofen	103	85.4	P/P	50 - 160
Imazapyr	97.8	87.0	P/P	50 - 150
Imidacloprid	97.1	98.0	P/P	60 - 150
Linuron	102	103	P/P	60 - 150
Mandestrobin	117	115	P/P	50 - 150
MCPP	109	111	P/P	50 - 150
Naproxen	87.5	137	P/P	50 - 160
Primidone	95.2	98.9	P/P	60 - 150
Pyraclostrobin	107	110	P/P	60 - 150
Silvex	107	106	P/P	50 - 150
Thiamethoxam	113	115	P/P	50 - 150
Tolfenpyrad	106	102	P/P	60 - 150
Triclopyr	91.4	108	P/P	50 - 150

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A123262

Included Lab Sample IDs: 2456251, 2456253

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.0	98.6	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: SM 5310 B-2014

Run ID: A123280

Included Lab Sample IDs: 2456251, 2456253, 2456255, 2456257

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: 2456250, 2456252, 2456254, 2456256

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

Reference Method: SM 4500-F- C-2011

Run ID: A123283

Included Lab Sample IDs: 2456250, 2456252, 2456254, 2456256

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

Reference Method: EPA 8321B

Run ID: A123300

Included Lab Sample IDs: 2456269, 2456270, 2456272

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	150	146	P/P	60 - 160
AMPA	159	150	P/P	60 - 160
Endothall	121	155	P/P	60 - 160
Endothall	160	121	P/P	60 - 160
Glufosinate	151	148	P/P	60 - 160
Glufosinate	151	151	P/P	60 - 160
Glyphosate	155	157	P/P	60 - 160
Glyphosate	158	155	P/P	60 - 160

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A123304

Included Lab Sample IDs: 2456251, 2456253, 2456255, 2456257

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: 2456250, 2456252, 2456254, 2456256

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.2	99.9	P/P	90 - 110
Sulfate	100	99.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A123368

Included Lab Sample IDs: 2456257

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	99.3	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8276
Run ID: A123405
Included Lab Sample IDs: 2456273

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	93.0		P	80 - 120
Toxaphene	90.4		P	80 - 120

Reference Method: EPA 8270E
Run ID: A123425
Included Lab Sample IDs: 2456273

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	101		P	80 - 120
Alpha-BHC	102		P	80 - 120
Alpha-Chlordane	85.4		P	80 - 120
Beta-BHC	107		P	80 - 120
Beta-Cyfluthrin	99.0		P	80 - 120
Bifenthrin	112		P	80 - 120
Chlorothalonil	97.0		P	80 - 120
Cis-Nonachlor	87.7		P	80 - 120
Cypermethrin	99.2		P	80 - 120
Dacthal	89.0		P	80 - 120
DDD-p,p'	91.1		P	80 - 120
DDE-p,p'	89.2		P	80 - 120
DDT-p,p'	104		P	80 - 120
Delta-BHC	99.9		P	80 - 120
Deltamethrin	96.3		P	80 - 120
Dichlobenil	103		P	80 - 120
Dicofol	98.9		P	80 - 120
Dieldrin	99.0		P	80 - 120
Endosulfan I	99.4		P	80 - 120
Endosulfan II	98.8		P	80 - 120
Endosulfan Sulfate	94.9		P	80 - 120
Endrin	102		P	80 - 120
Endrin Aldehyde	97.1		P	80 - 120
Endrin Ketone	113		P	80 - 120
Esfenvalerate	97.8		P	80 - 120
Ethalfuralin	87.7		P	80 - 120
Fenpropathrin	95.8		P	80 - 120
Gamma-BHC	97.3		P	80 - 120
Gamma-Chlordane	88.1		P	80 - 120
Heptachlor	90.9		P	80 - 120
Heptachlor Epoxide	104		P	80 - 120
Hexachlorobenzene	95.0		P	80 - 120
Kepone	90.4		P	80 - 120
Lambda-Cyhalothrin	103		P	80 - 120
Methoprene	97.9		P	80 - 120
Methoxychlor	94.2		P	80 - 120
MGK-264	87.8		P	80 - 120
Mirex	103		P	80 - 120
Oxychlordane	87.1		P	80 - 120
Permethrin	96.4		P	80 - 120
Phenothrin	99.6		P	80 - 120
Piperonyl Butoxide	85.3		P	80 - 120
Prallethrin	100		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A123425
Included Lab Sample IDs: 2456273

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tau-Fluvalinate	104		P	80 - 120
Tetramethrin	98.3		P	80 - 120
Trans-Nonachlor	91.3		P	80 - 120
Triclosan Methyl	86.1		P	80 - 120
Trifluralin	103		P	80 - 120

Reference Method: EPA 8270E
Run ID: A123439
Included Lab Sample IDs: 2456273

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	93.6		P	80 - 120
PCB-1260	104		P	80 - 120

Reference Method: EPA 8270E
Run ID: A123510
Included Lab Sample IDs: 2456274

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: 2456274

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A123555
Included Lab Sample IDs: 2456274

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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
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

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A123555
Included Lab Sample IDs: 2456274

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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
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)	101				2.58	
EPA 180.1 Rev. 2.0	Turbidity	103				3.51	
EPA 300.0 Rev. 2.1	Chloride	102	101	96.5		0.172	
	Sulfate	101	97.3	95.5		0.226	
EPA 350.1 Rev. 2.0	Ammonia-N	96.8	98.8	98.2			0.500
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	103	102	98.3			2.94
	Kjeldahl Nitrogen	98.3	99.5	99.7			0.146
	Kjeldahl Nitrogen	101	103	101			1.37
EPA 353.2 Rev. 2.0	NO2NO3-N	100	94.8	94.8			0.0
EPA 365.1 Rev. 2.0	Total-P	106	110	105			3.49
	Total-P	99.6	106	105			0.676
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	57.1	60.1	47.3			23.7
	Alpha-BHC	94.5	83.0	71.5			14.9
	Alpha-Chlordane	81.7	53.1	68.5			9.92
	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	103	51.6	92.8			57.0
	Beta-Cyfluthrin	103	95.1	86.4			9.65
	Bifenthrin	88.7	82.0	73.3			11.2
	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	75.3	54.8	76.5			33.1
	Chlorpyrifos Ethyl	112	75.3	90.4			18.1
	Chlorpyrifos Methyl	129	119	91.6			26.3
	Cis-Nonachlor	77.1	94.3	82.1			11.8
	Coumaphos	104	85.2	91.0			6.68
	Cyanazine	167	108	114			6.13
	Cypermethrin	97.1	67.9	82.1			18.9
	Cyprodinil	116	94.6	116			20.5
	Dacthal	75.9	79.6	83.5			4.83
	DDD-p,p'	81.5	92.1	72.4			23.9
	DDE-p,p'	58.8	46.2	52.3			12.4
	DDT-p,p'	74.4	62.4	64.7			3.64
	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	84.4	83.7	94.0			11.5
	Deltamethrin	149	76.0	120			44.7
	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	72.3		48.9	69.1			34.3
	Dicofol	72.9		66.8	74.2			10.5
	Dieldrin	80.1		123	61.1			27.9
	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	102		77.5	70.9			8.78
	Endosulfan II	80.0		66.3	67.8			2.29
	Endosulfan Sulfate	84.0		91.9	82.8			10.4
	Endrin	101		82.7	78.2			5.55
	Endrin Aldehyde	92.7		105	95.6			9.44
	Endrin Ketone	124		115	93.8			20.7
	EPTC	67.5		34.4	41.8			19.4
	Esfenvalerate	126		87.9	99.7			12.5
	Ethalfuralin	92.2		71.3	53.8			28.0
	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	79.6		74.5	70.5			5.50
	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	88.4		44.6	76.5			52.7
	Gamma-Chlordane	80.1		66.7	67.3			0.494
	Heptachlor	69.4		59.1	46.4			24.2
	Heptachlor Epoxide	69.6		89.5	81.2			6.18
	Hexabromobenzene	76.9		82.0	90.7			10.1
	Hexachlorobenzene	60.4		37.6	41.2			9.20
	Hexazinone	118		92.1	95.9			4.10
	Imazalil	110		117	133			13.0
	Iprodione	120		106	86.1			20.7
	Kepone	124		104	137			27.6
	Lambda-Cyhalothrin	123		88.5	85.0			4.01
	Loratadine	93.0						4.63
	Malathion	122		80.9	79.7			1.44
	Metalaxyl	101		65.8	77.0			15.7
	Methoprene	60.5		39.4	42.1			6.62
	Methoxychlor	99.9		109	87.3			21.7
	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	89.5		75.5	80.7			6.68

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Mirex	74.6	34.0	65.3		63.0
	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	50.2	44.0	53.5		19.7
	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	79.2	77.7	76.7		1.29
	PCB-1260	90.0	85.4	74.4		13.8
	Pendimethalin	129	119	93.6		23.9
	Pentabromotoluene	106	80.7	88.7		9.45
	Permethrin	111	101	71.9		34.1
	Phenothrin	99.4	53.5	70.5		27.4
	Phenytoin	137	86.9	87.4		0.300
	Phorate	115	57.4	76.3		28.2
	Piperonyl Butoxide	110	56.0	86.0		42.2
	Prallethrin	102	103	89.8		13.9
	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	119	88.3	122		32.0
	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	91.7	68.8	81.9		17.5
	Thiobencarb	109	85.2	89.2		4.56
	Trans-Nonachlor	55.0	30.9	81.7		50.2
	Tri-o-cresyl Phosphate	132	89.1	98.1		9.65
	Triadimefon	92.2	79.3	68.3		14.8
	Triclosan Methyl	79.3	49.4	66.7		29.9
	Trifluralin	62.0	58.8	77.7		27.7
	Tris(1-chloro-2-propyl) phosphate (TCPP)	105				8.32

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	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	117	87.0	103			16.9
	Toxaphene	127	79.7	89.2			7.90
EPA 8321B	2,4-D	106	96.0	103			7.24
	2,4,5-T	115	90.8	92.2			1.61
	3-Hydroxycarbofuran	91.8	89.8	76.4			16.1
	Acesulfame K	122	117	118			0.336
	Acetaminophen	50.5	52.7	46.3			12.9
	Acetamiprid	80.0	96.9	90.8			6.55
	Afidopyropen	67.8	75.6	87.2			14.2
	Aldicarb	65.0	70.7	62.0			13.1
	Aldicarb Sulfone	102	99.1	94.4			4.85
	Aldicarb Sulfoxide	121	43.9	44.1			0.503
	AMPA	96.7	93.4	93.6			0.169
	Bentazon	73.4	70.0	70.8			1.23
	Benzovindiflupyr	84.5	80.2	88.2			9.50
	Carbamazepine	86.4	90.1	81.6			9.88
	Carbaryl	71.2	69.3	63.9			8.02
	Carbofuran	72.5	63.5	62.2			2.04
	Clothianidin	93.9	95.4	86.7			9.59
	Dinotefuran	108	107	98.0			9.12
	Diuron	86.8	79.6	74.3			6.97
	Endothall	98.6	92.1	103			11.2
	Fenuron	91.8	85.4	77.5			9.67
	Fluridone	95.9	82.8	97.4			16.2
	Glufosinate	97.0	95.3	89.3			6.54
	Glyphosate	92.6	73.5	72.6			1.28
	Hydrocodone	96.9	98.2	89.1			9.72
	Ibuprofen	70.2	68.9	69.9			1.42
	Imazapyr	92.4	88.2	100			11.9
	Imidacloprid	91.2	103	92.8			10.6
	Linuron	80.4	70.5	72.3			2.52
	Mandestrobin	94.1	89.4	94.6			5.71
	MCPP	101	92.5	97.3			4.98
	Methiocarb	73.2	58.4	58.1			0.450
	Methomyl	89.4	85.4	82.5			3.46
	Naproxen	74.6	82.2	80.0			2.65
	Oxamyl	93.0	89.3	84.9			5.02
	Primidone	89.0	84.8	81.1			4.49
	Propoxur	71.8	62.7	63.2			0.809
	Pyraclostrobin	82.9	77.0	81.9			6.10
	Silvex	88.1	84.3	92.5			9.31
	Sucralose	99.2	96.1	105			8.83
	Thiamethoxam	96.2	89.2	81.1			9.48
	Tolfenpyrad	58.8	49.2	51.6			4.77
	Triclopyr	120	92.9	100			7.31
SM 2320 B-2011	Total Alkalinity	95.8				0.763	
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
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)	2456250, 2456252, 2456254, 2456256
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2456250, 2456252, 2456254, 2456256
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2456250, 2456252, 2456254, 2456256
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2456250, 2456252, 2456254, 2456256
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2456251, 2456253, 2456255, 2456257
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2456251, 2456253, 2456255, 2456257
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2456251, 2456253, 2456255, 2456257
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2456251, 2456253, 2456255, 2456257
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2456274
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2456273
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2456274
EPA 8270E	PCBs in water matrices by GC/MS/MS	2456273
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2456273
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2456271
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2456269, 2456270, 2456272
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2456250, 2456252, 2456254, 2456256
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2456250, 2456252, 2456254, 2456256
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2456250, 2456252, 2456254, 2456256
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2456250, 2456252, 2456254, 2456256
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2456251, 2456253, 2456255, 2456257

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	12/12/2023			12/12/2023 14:22	Samantha L Bates	2456254
	12/12/2023			12/12/2023 15:08	Samantha L Bates	2456250, 2456252
	12/12/2023			12/12/2023 15:09	Samantha L Bates	2456256
EPA 180.1 Rev. 2.0	12/12/2023			12/12/2023 14:47	Chandler E Cox	2456250
	12/12/2023			12/12/2023 14:49	Chandler E Cox	2456252
	12/12/2023			12/12/2023 14:50	Chandler E Cox	2456256
EPA 300.0 Rev. 2.1	12/12/2023			12/12/2023 14:55	Chandler E Cox	2456254
	12/12/2023			12/20/2023 23:01	James L Waggeberby	2456250
	12/12/2023			12/20/2023 23:16	James L Waggeberby	2456252
EPA 350.1 Rev. 2.0	12/12/2023			12/20/2023 23:31	James L Waggeberby	2456254
	12/12/2023			12/20/2023 23:47	James L Waggeberby	2456256
	12/12/2023			12/14/2023 13:12	Khloe J Berg	2456251
EPA 351.2 Rev. 2.0	12/12/2023			12/14/2023 13:16	Khloe J Berg	2456253
	12/12/2023			12/14/2023 13:17	Khloe J Berg	2456255
	12/12/2023			12/14/2023 13:19	Khloe J Berg	2456257
EPA 353.2 Rev. 2.0	12/12/2023	12/13/2023 09:31	Samantha L Bates	12/14/2023 10:46	Samantha L Bates	2456255
	12/12/2023	12/14/2023 15:30	Simonne.V. Calhoun	12/15/2023 13:43	Samantha L Bates	2456251
	12/12/2023	12/14/2023 15:30	Simonne.V. Calhoun	12/15/2023 13:45	Samantha L Bates	2456253
EPA 365.1 Rev. 2.0	12/12/2023	12/18/2023 12:31	Simonne.V. Calhoun	12/21/2023 10:07	Samantha L Bates	2456257
	12/12/2023			12/18/2023 12:26	Fadila Guebre	2456251
	12/12/2023			12/18/2023 12:32	Fadila Guebre	2456253
EPA 8270E	12/12/2023			12/18/2023 12:33	Fadila Guebre	2456255
	12/12/2023			12/18/2023 12:34	Fadila Guebre	2456257
	12/12/2023	12/14/2023 11:55	Adam P Silver	12/14/2023 16:43	James L Waggeberby	2456255
EPA 8276	12/12/2023	12/14/2023 11:55	Adam P Silver	12/14/2023 16:52	James L Waggeberby	2456251
	12/12/2023	12/14/2023 11:55	Adam P Silver	12/14/2023 16:53	James L Waggeberby	2456253
	12/12/2023	12/14/2023 11:55	Adam P Silver	12/14/2023 17:01	James L Waggeberby	2456257
EPA 8321B	12/12/2023	12/18/2023 08:00	Fe-Val Siddell	12/21/2023 20:42	Lipi Saha	2456273
	12/12/2023	12/18/2023 08:00	Fe-Val Siddell	12/23/2023 00:23	Julie Wi	2456273
	12/12/2023	12/18/2023 08:30	Rasheda Ghaffari	01/05/2024 00:47	Arthur Maknenko	2456274
EPA 8321B	12/12/2023	12/18/2023 08:30	Rasheda Ghaffari	12/23/2023 22:30	Vandana T. Nagar	2456274
	12/12/2023	12/18/2023 08:00	Fe-Val Siddell	12/22/2023 12:24	Kenedi Mills	2456273
	12/12/2023	12/12/2023 13:00	Hoor Shaik	12/13/2023 08:10	Juyoung Kim	2456271
EPA 8321B	12/12/2023	12/13/2023 14:30	Hana Lee	12/13/2023 16:16	Tae K Lee	2456269
	12/12/2023	12/13/2023 14:30	Hana Lee	12/13/2023 17:55	Tae K Lee	2456270
	12/12/2023	12/13/2023 14:30	Hana Lee	12/13/2023 18:09	Tae K Lee	2456272
EPA 8321B	12/12/2023	12/13/2023 14:30	Hana Lee	12/15/2023 21:48	Tae K Lee	2456269
	12/12/2023	12/13/2023 14:30	Hana Lee	12/15/2023 23:24	Tae K Lee	2456270
	12/12/2023	12/13/2023 14:30	Hana Lee	12/15/2023 23:38	Tae K Lee	2456272
EPA 8321B	12/12/2023	12/14/2023 09:00	Hoor Shaik	12/14/2023 18:44	Juyoung Kim	2456269

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	12/12/2023	12/14/2023 09:00	Hoor Shaik	12/14/2023 19:02	Juyoung Kim	2456270
	12/12/2023	12/14/2023 09:00	Hoor Shaik	12/14/2023 19:20	Juyoung Kim	2456272
SM 2320 B-2011	12/12/2023			12/16/2023 02:50	Chandler E Cox	2456250
	12/12/2023			12/16/2023 03:02	Chandler E Cox	2456252
	12/12/2023			12/16/2023 03:14	Chandler E Cox	2456254
	12/12/2023			12/16/2023 03:26	Chandler E Cox	2456256
SM 2540 C-2015	12/12/2023			12/15/2023 15:49	Yijie Li	2456250, 2456252, 2456254, 2456256
SM 2540 D-2015	12/12/2023			12/15/2023 15:49	Yijie Li	2456250, 2456252, 2456254, 2456256
SM 4500-F- C-2011	12/12/2023			12/16/2023 02:50	Chandler E Cox	2456250
	12/12/2023			12/16/2023 03:02	Chandler E Cox	2456252
	12/12/2023			12/16/2023 03:14	Chandler E Cox	2456254
	12/12/2023			12/16/2023 03:26	Chandler E Cox	2456256
SM 5310 B-2014	12/12/2023			12/16/2023 13:06	Kenneth H Lee	2456251
	12/12/2023			12/16/2023 13:20	Kenneth H Lee	2456253
	12/12/2023			12/16/2023 13:36	Kenneth H Lee	2456255
	12/12/2023			12/16/2023 13:50	Kenneth H Lee	2456257