Chemical Analysis Report

NW-DIST-2023-06-14-02

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

Event Description: **Laurel Hill East**
Request ID: **RQ-2023-06-12-64**
Customer: **NW-DIST**
Project ID: **SMP**

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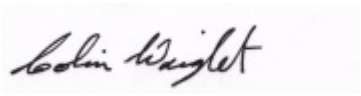
Date Certified: 30-JUN-2023 11:09



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: GUM CREEK **Collection Date/Time: 06/13/2023 11:15**

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417274	EPA 8321B	Aldicarb	0.020	U	ug/L	P431332	
		Aldicarb Sulfone	0.0020	U	ug/L	P431332	
		Aldicarb Sulfoxide	0.0020	UJ	ug/L	P431332	MS
		Carbaryl	0.0020	U	ug/L	P431332	
		Carbofuran	0.0020	U	ug/L	P431332	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P431332	
		Methiocarb	0.0020	U	ug/L	P431332	
		Methomyl	0.0020	U	ug/L	P431332	
		Oxamyl	0.0020	U	ug/L	P431332	
		Propoxur	0.0020	U	ug/L	P431332	
2417275		2,4-D	0.0021	I	ug/L	P431299	
		Acesulfame K	0.10	U	ug/L	P431248	
		2,4,5-T	0.0040	U	ug/L	P431299	
		AMPA	0.10	U	ug/L	P431248	
		Acetaminophen	0.0080	U	ug/L	P431299	
		Acetamiprid	0.0020	U	ug/L	P431299	
		Endothall	0.25	U	ug/L	P431248	
		Glufosinate	0.10	U	ug/L	P431248	
		Glyphosate	0.10	U	ug/L	P431248	
		Afidopyropen	0.0020	U	ug/L	P431299	
		Bentazon	8.0E-04	U	ug/L	P431299	
		Sucralose	0.28		ug/L	P431248	
		Benzovindiflupyr	0.0020	U	ug/L	P431299	
		Carbamazepine	8.0E-04	U	ug/L	P431299	
		Clothianidin	0.0020	U	ug/L	P431299	
		Dinotefuran	0.0020	U	ug/L	P431299	
		Diuron	0.0020	UJ	ug/L	P431299	RPD
		Fenuron	0.032	U	ug/L	P431299	
		Fluridone	8.0E-04	U	ug/L	P431299	
		Imazapyr	0.010	I	ug/L	P431299	
		Hydrocodone	0.0020	U	ug/L	P431299	
		Ibuprofen	0.080	U	ug/L	P431299	
		Imidacloprid	0.0075	I	ug/L	P431299	
		Linuron	0.0040	U	ug/L	P431299	
		Mandestrobin	0.0020	U	ug/L	P431299	
		MCPP	0.0020	U	ug/L	P431299	
		Naproxen	0.0080	U	ug/L	P431299	
		Primidone	0.0040	U	ug/L	P431299	
		Pyraclostrobin	0.0020	U	ug/L	P431299	
		Silvex	0.0040	U	ug/L	P431299	
		Thiamethoxam	0.0020	U	ug/L	P431299	
		Tolfenpyrad	0.0020	U	ug/L	P431299	
		Triclopyr	0.0040	U	ug/L	P431299	
2417276	EPA 8270E	Aldrin	0.72	U	ng/L	P431247	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417276	EPA 8270E	Alpha-BHC	0.11	U	ng/L	P431247	
		Alpha-Chlordane	0.22	I	ng/L	P431247	
		PCB-1016	2.2	U	ng/L	P431247	
		Beta-BHC	0.11	U	ng/L	P431247	
		PCB-1221	2.2	U	ng/L	P431247	
		Beta-Cyfluthrin	1.4	U	ng/L	P431247	
		PCB-1232	2.2	U	ng/L	P431247	
		Bifenthrin	0.55	U	ng/L	P431247	
		PCB-1242	2.2	U	ng/L	P431247	
		PCB-1248	2.2	U	ng/L	P431247	
		Chlorothalonil	4.0	U	ng/L	P431247	
		PCB-1254	2.2	U	ng/L	P431247	
		Cis-Nonachlor	0.22	U	ng/L	P431247	
		PCB-1260	2.2	U	ng/L	P431247	
		Cypermethrin	1.7	U	ng/L	P431247	
		Dacthal	0.17	UJ	ng/L	P431247	LCS
		DDD-p,p'	0.28	U	ng/L	P431247	
		DDE-p,p'	0.22	U	ng/L	P431247	
		DDT-p,p'	0.28	U	ng/L	P431247	
		Delta-BHC	0.44	U	ng/L	P431247	
		Deltamethrin	1.4	U	ng/L	P431247	
		Dichlobenil	0.28	U	ng/L	P431247	
		Dicofol	1.4	U	ng/L	P431247	
		Dieldrin	0.44	U	ng/L	P431247	
		Endosulfan I	0.44	U	ng/L	P431247	
		Endosulfan II	0.44	U	ng/L	P431247	
		Endosulfan Sulfate	0.33	U	ng/L	P431247	
		Endrin	0.44	U	ng/L	P431247	
		Endrin Aldehyde	0.83	U	ng/L	P431247	
		Endrin Ketone	0.44	U	ng/L	P431247	
		Esfenvalerate	0.83	U	ng/L	P431247	
		Ethalfluralin	0.17	U	ng/L	P431247	
		Fenpropathrin	0.28	U	ng/L	P431247	
		Gamma-BHC	0.14	UJ	ng/L	P431247	RPD
		Gamma-Chlordane	0.23	I	ng/L	P431247	
		Heptachlor	0.22	U	ng/L	P431247	
		Heptachlor Epoxide	0.28	U	ng/L	P431247	
		Hexachlorobenzene**	1.1	U	ng/L	P431247	
		Kepone	5.5	U	ng/L	P431247	
		Lambda-Cyhalothrin	0.83	U	ng/L	P431247	
		Methoprene	0.83	U	ng/L	P431247	
		Methoxychlor	0.33	U	ng/L	P431247	
		MGK-264	0.22	U	ng/L	P431247	
		Mirex	0.39	U	ng/L	P431247	
		Oxychlordane	0.33	U	ng/L	P431247	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417276	EPA 8270E	Permethrin	1.8	U	ng/L	P431247	
		Phenothrin	0.99	U	ng/L	P431247	
		Piperonyl Butoxide	0.17	U	ng/L	P431247	
		Prallethrin	2.2	U	ng/L	P431247	
		Tau-Fluvalinate	0.28	U	ng/L	P431247	
		Tetramethrin	0.83	U	ng/L	P431247	
		Trans-Nonachlor	0.22	UJ	ng/L	P431247	RPD
		Triclosan Methyl	0.17	U	ng/L	P431247	
		Trifluralin	0.22	U	ng/L	P431247	
	EPA 8276	Chlordane	2.2	UJ	ng/L	P431247	LCS, MS
		Toxaphene	17	U	ng/L	P431247	
2417277	EPA 8270E	Oxybenzone**	11	U	ng/L	P431169	
		Acetochlor	0.22	U	ng/L	P431169	
		Octinoxate**	22	UJ	ng/L	P431169	LCS
		Alachlor	0.43	U	ng/L	P431169	
		Avobenzone**	110	U	ng/L	P431169	
		Ametryn	1.2	U	ng/L	P431169	
		Atrazine	8.5		ng/L	P431169	
		PBDE-47**	4.3	U	ng/L	P431169	
		Atrazine Desethyl	1.4	U	ng/L	P431169	
		PBDE-99**	5.4	U	ng/L	P431169	
		Azinphos Methyl	3.2	U	ng/L	P431169	
		Tri-o-cresyl Phosphate**	6.5	U	ng/L	P431169	
		Azoxystrobin	0.43	U	ng/L	P431169	
		Bromacil	0.65	U	ng/L	P431169	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	13	U	ng/L	P431169	
		Butylate	0.22	U	ng/L	P431169	
		Dechlorane Plus**	32	U	ng/L	P431169	
		Caffeine**	34	I	ng/L	P431169	
		Dechlorane 602**	5.4	U	ng/L	P431169	
		Carbophenothion	0.54	U	ng/L	P431169	
		Dechlorane 603**	4.3	U	ng/L	P431169	
		Carfentrazone Ethyl	0.16	U	ng/L	P431169	
		Hexabromobenzene**	6.5	U	ng/L	P431169	
		Chlorfenapyr	0.32	U	ng/L	P431169	
		PBB-153**	8.7	U	ng/L	P431169	
		Chlorpyrifos Ethyl	0.32	U	ng/L	P431169	
		Pentabromotoluene**	3.2	U	ng/L	P431169	
		Chlorpyrifos Methyl	0.11	U	ng/L	P431169	
		Tris(2-chloroethyl) phosphate (TCEP)**	76	U	ng/L	P431169	
		Coumaphos	1.1	U	ng/L	P431169	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	16	U	ng/L	P431169	
		Cyanazine	5.4	U	ng/L	P431169	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.7	U	ng/L	P431169	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417277	EPA 8270E	Cyprodinil	0.22	U	ng/L	P431169	
		Tetradecachloro-m-terphenyl**	8.1	U	ng/L	P431169	
		Demeton	3.8	U	ng/L	P431169	
		Diazinon	0.14	U	ng/L	P431169	
		Difenoconazole	0.65	U	ng/L	P431169	
		Dimethenamid	0.11	U	ng/L	P431169	
		Dimethomorph	0.32	U	ng/L	P431169	
		Disulfoton	0.65	U	ng/L	P431169	
		Dithiopyr	1.1	U	ng/L	P431169	
		EPTC	0.54	U	ng/L	P431169	
		Ethion	0.32	U	ng/L	P431169	
		Ethoprop	0.14	U	ng/L	P431169	
		Etridiazole	0.11	U	ng/L	P431169	
		Fenamiphos	0.49	U	ng/L	P431169	
		Fenbuconazole	0.54	U	ng/L	P431169	
		Fipronil	0.22	U	ng/L	P431169	
		Fipronil Desulfinyl**	0.28	I	ng/L	P431169	
		Fipronil Sulfide	0.15	I	ng/L	P431169	
		Fipronil Sulfone	0.22	I	ng/L	P431169	
		Fluazifop-P-butyl	0.11	U	ng/L	P431169	
		Fludioxonil	0.11	U	ng/L	P431169	
		Flumioxazin	3.2	U	ng/L	P431169	
		Flutolanil	0.11	U	ng/L	P431169	
		Fluxapyroxad	0.27	U	ng/L	P431169	
		Fonofos	0.16	U	ng/L	P431169	
		Hexazinone	0.54	U	ng/L	P431169	
		Imazalil	0.70	U	ng/L	P431169	
		Iprodione	0.54	U	ng/L	P431169	
		Loratadine**	0.32	U	ng/L	P431169	
		Malathion	0.38	U	ng/L	P431169	
		Metalaxyl	0.54	U	ng/L	P431169	
		Metolachlor	5.4		ng/L	P431169	
		Metribuzin	0.43	U	ng/L	P431169	
		Mevinphos	1.1	U	ng/L	P431169	
		Molinate	0.27	U	ng/L	P431169	
		Myclobutanil	0.38	U	ng/L	P431169	
		Naled	2.7	U	ng/L	P431169	
		Napropamide	0.76	U	ng/L	P431169	
		Norflurazon	1.1	U	ng/L	P431169	
		Oxadiazon	0.38	U	ng/L	P431169	
		Oxyfluorfen	0.22	U	ng/L	P431169	
		Parathion Ethyl	0.16	U	ng/L	P431169	
		Parathion Methyl	0.22	U	ng/L	P431169	
		Pendimethalin	0.81	UJ	ng/L	P431169	LCS, MS
		Phenytoin**	5.7	U	ng/L	P431169	

Field ID: G4NW0382 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417277	EPA 8270E	Phorate	0.27	U	ng/L	P431169	
		Prodiamine	0.22	U	ng/L	P431169	
		Prometon	3.2	U	ng/L	P431169	
		Prometryn	0.38	U	ng/L	P431169	
		Pronamide	0.11	U	ng/L	P431169	
		Propanil	0.11	U	ng/L	P431169	
		Propargite	0.87	U	ng/L	P431169	
		Propiconazole	0.65	U	ng/L	P431169	
		Pyraflufen Ethyl	0.32	U	ng/L	P431169	
		Pyridaben	1.5	U	ng/L	P431169	
		Pyriproxyfen	0.27	U	ng/L	P431169	
		Simazine	0.27	U	ng/L	P431169	
		Stirophos	0.43	U	ng/L	P431169	
		Sulfentrazone	1.5	U	ng/L	P431169	
		Tebuconazole	1.5	U	ng/L	P431169	
		Terbufos	0.22	U	ng/L	P431169	
		Terbuthylazine	0.22	U	ng/L	P431169	
		Thiobencarb	0.54	U	ng/L	P431169	
		Triadimefon	0.16	U	ng/L	P431169	

Ref. Method and Comment:
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8276: 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. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: EAST BRANCH PINE LOG CREEK ABOVE BEAR BAY FLATS ROAD **Collection Date/Time: 06/13/2023 12:50**

Field ID: G4NW0208 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417262	DEP SOP: NU-094-1	Color (true)	150		PCU	P431283	
	EPA 180.1 Rev. 2.0	Turbidity	4.3		NTU	P431280	
	EPA 300.0 Rev. 2.1	Chloride	4.3		mg Cl/L	P431532	
		Sulfate	0.29	I	mg SO4/L	P431535	
	SM 2320 B-2011	Total Alkalinity	11		mg CaCO3/L	P431568	
	SM 2540 C-2015	TDS	36		mg/L	P431655	
	SM 2540 D-2015	TSS	10	I	mg/L	P431521	
	SM 4500-F- C-2011	Fluoride	0.031	I	mg F/L	P431571	
2417263	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P431489	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.82		mg N/L	P431537	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P431473	
	EPA 365.1 Rev. 2.0	Total-P	0.067		mg P/L	P431382	
	SM 5310 B-2011	Organic Carbon	15		mg C/L	P431573	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 5310 B-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: FB **Collection Date/Time: 06/13/2023 12:50**

Field ID: FB_06132023 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417264	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P431283	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P431280	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P431532	
		Sulfate	0.20	U	mg SO4/L	P431535	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P431568	
	SM 2540 C-2015	TDS	15	U	mg/L	P431655	
	SM 2540 D-2015	TSS	2	U	mg/L	P431521	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P431571	
2417265	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P431489	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P431537	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P431724	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P431628	
	SM 5310 B-2011	Organic Carbon	0.50	U	mg C/L	P431573	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 5310 B-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P431283

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P431280

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431532

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431535

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431489

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431537

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431473

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431724

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431382

Component	Result	Code	Units
Total-P	0.010	U	mg P/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431628

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

Reference Method: EPA 8270E
Batch ID: P431169

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
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	120	I	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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P431169

Component	Result	Code	Units
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
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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P431169

Component	Result	Code	Units
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
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	110		ng/L
Octinoxate	200		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
Phenytoin	5.3	U	ng/L
Phenytoin	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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P431169

Component	Result	Code	Units
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
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
Terbuthylazine	0.20	U	ng/L
Terbuthylazine	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: P431247

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P431247

Component	Result	Code	Units
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
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'	0.25	U	ng/L
DDT-p,p'	0.25	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	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfluralin	0.15	U	ng/L
Ethalfluralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P431247

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P431247

Component	Result	Code	Units
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: P431247

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

Reference Method: EPA 8321B
Batch ID: P431248

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: P431299

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P431299

Component	Result	Code	Units
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B
Batch ID: P431332

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: SM 2320 B-2011
Batch ID: P431568

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

Reference Method: SM 2540 C-2015
Batch ID: P431655

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P431521

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P431571

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P431573

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: P431283

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: P431280

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431532

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431535

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431489

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431537

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431473

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	105		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431724

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	105		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431382

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431628

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	99.2		P	90 - 110

Reference Method: EPA 8270E
Batch ID: P431169

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	128		P	42 - 162
Acetochlor	79.5		P	69 - 123
Alachlor	75.7		P	65 - 118
Ametryn	111		P	58 - 141
Atrazine	93.1		P	73 - 118
Atrazine Desethyl	76.6		P	32 - 125
Avobenzone	130		P	40 - 203
Azinphos Methyl	112		P	36 - 197
Azoxystrobin	98.2		P	58 - 226
Bromacil	112		P	48 - 120
Butylate	67.2		P	27 - 85.0
Caffeine	86.8		P	40 - 137
Carbophenothion	109		P	54 - 132
Carfentrazone Ethyl	113		P	60 - 142
Chlorfenapyr	78.7		P	53 - 117
Chlorpyrifos Ethyl	87.8		P	59 - 116
Chlorpyrifos Methyl	100		P	66 - 119
Coumaphos	133		P	11 - 234
Cyanazine	137		P	61 - 248
Cyprodinil	94.2		P	50 - 147
Dechlorane 602	109		P	50 - 150
Dechlorane 603	140		P	50 - 150
Dechlorane Plus	113		P	47 - 182
Demeton	75.6		P	30 - 138
Diazinon	114		P	67 - 126
Difenoconazole	105		P	38 - 205
Dimethenamid	90.6		P	57 - 111
Dimethomorph	93.9		P	16 - 212
Disulfoton	101		P	46 - 126
Dithiopyr	105		P	62 - 115
EPTC	61.2		P	28 - 80.0
Ethion	100		P	24 - 122
Ethoprop	96.0		P	62 - 113
Etridiazole	73.9		P	28 - 92.0
Fenamiphos	80.0		P	57 - 128
Fenbuconazole	73.1		P	52 - 155
Fipronil	80.9		P	63 - 130
Fipronil Desulfinyl	99.5		P	61 - 130
Fipronil Sulfide	86.8		P	56 - 117
Fipronil Sulfone	83.5		P	52 - 118
Fluazifop-P-butyl	68.8		P	61 - 128
Fludioxonil	79.3		P	59 - 129
Flumioxazin	160		P	30 - 250
Flutolanil	83.9		P	53 - 127
Fluxapyroxad	91.1		P	42 - 132
Fonofos	87.4		P	61 - 110

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P431169

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Hexabromobenzene	134		P	50 - 150
Hexazinone	98.6		P	46 - 139
Imazalil	64.7		P	40 - 139
Iprodione	88.2		P	40 - 146
Loratadine	146		P	10 - 224
Malathion	103		P	61 - 135
Metalaxyl	102		P	58 - 121
Metolachlor	89.1		P	64 - 118
Metribuzin	99.6		P	45 - 245
Mevinphos	84.3		P	49 - 118
Molinate	65.2		P	42 - 92.0
Myclobutanil	107		P	55 - 127
Naled	37.1		P	10 - 114
Napropamide	77.5		P	39 - 121
Norflurazon	98.6		P	55 - 129
Octinoxate	171		F	26 - 166
Oxadiazon	86.3		P	54 - 115
Oxybenzone	115		P	49 - 135
Oxyfluorfen	110		P	64 - 139
Parathion Ethyl	92.7		P	70 - 111
Parathion Methyl	96.7		P	76 - 136
PBB-153	143		P	50 - 150
PBDE-47	119		P	41 - 148
PBDE-99	117		P	38 - 147
Pendimethalin	151		F	52 - 118
Pentabromotoluene	115		P	50 - 150
Phenytoin	147		P	10 - 162
Phorate	107		P	40 - 122
Prodiamine	78.8		P	26 - 141
Prometon	104		P	54 - 122
Prometryn	97.2		P	61 - 128
Pronamide	117		P	72 - 121
Propanil	113		P	45 - 144
Propargite	95.3		P	10 - 199
Propiconazole	78.0		P	56 - 127
Pyraflufen Ethyl	61.0		P	56 - 140
Pyridaben	85.1		P	26 - 211
Pyriproxyfen	80.1		P	33 - 194
Simazine	93.2		P	67 - 121
Stirophos	96.3		P	20 - 142
Sulfentrazone	54.8		P	21 - 144
Tebuconazole	87.2		P	10 - 122
Terbufos	107		P	60 - 129
Terbuthylazine	88.3		P	69 - 113
Tetradecachloro-m-terphenyl	180		P	70 - 200
Thiobencarb	114		P	51 - 120
Tri-o-cresyl Phosphate	122		P	49 - 150
Triadimefon	101		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	99.6		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	119		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	116		P	70 - 180

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P431247

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	44.0		P	10 - 92.0
Alpha-BHC	75.4		P	75 - 107
Alpha-Chlordane	60.4		P	50 - 108
Beta-BHC	82.7		P	36 - 138
Beta-Cyfluthrin	66.9		P	20 - 161
Bifenthrin	62.4		P	10 - 119
Chlorothalonil	91.0		P	26 - 186
Cis-Nonachlor	50.6		P	42 - 119
Cypermethrin	66.2		P	22 - 150
Dacthal	70.3		F	72 - 119
DDD-p,p'	62.5		P	45 - 107
DDE-p,p'	60.8		P	48 - 106
DDT-p,p'	61.4		P	48 - 110
Delta-BHC	96.8		P	54 - 140
Deltamethrin	82.8		P	22 - 189
Dichlobenil	73.5		P	36 - 117
Dicofol	62.5		P	46 - 155
Dieldrin	57.1		P	54 - 110
Endosulfan I	62.8		P	59 - 105
Endosulfan II	55.3		P	51 - 118
Endosulfan Sulfate	57.7		P	57 - 121
Endrin	57.6		P	10 - 120
Endrin Aldehyde	59.3		P	34 - 118
Endrin Ketone	77.3		P	69 - 177
Esfenvalerate	91.8		P	23 - 168
Ethalfluralin	59.6		P	49 - 99.0
Fenpropathrin	61.3		P	34 - 117
Gamma-BHC	80.4		P	72 - 117
Gamma-Chlordane	63.0		P	43 - 106
Heptachlor	53.4		P	41 - 98.0
Heptachlor Epoxide	77.2		P	57 - 106
Hexachlorobenzene	51.9		P	36 - 99.0
Kepone	53.5		P	16 - 215
Lambda-Cyhalothrin	79.9		P	21 - 177
Methoprene	42.6		P	10 - 119
Methoxychlor	69.5		P	60 - 112
MGK-264	49.2		P	26 - 122
Mirex	59.2		P	10 - 169
Oxychlordane	53.2		P	43 - 105
PCB-1016	71.3		P	48 - 112
PCB-1260	65.5		P	44 - 118
Permethrin	60.2		P	24 - 148
Phenothrin	79.0		P	10 - 106
Piperonyl Butoxide	75.7		P	10 - 139
Prallethrin	52.9		P	17 - 109
Tau-Fluvalinate	76.3		P	13 - 131
Tetramethrin	67.7		P	10 - 132
Trans-Nonachlor	56.2		P	44 - 106
Triclosan Methyl	69.8		P	59 - 109
Trifluralin	66.4		P	44 - 101

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8276
Batch ID: P431247

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	59.2		F	61 - 116
Toxaphene	64.1		P	48 - 124

Reference Method: EPA 8321B
Batch ID: P431248

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	135		P	40 - 150
AMPA	85.7		P	40 - 150
Endothall	102		P	40 - 150
Glufosinate	90.5		P	40 - 150
Glyphosate	93.6		P	40 - 150
Sucralose	110		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P431299

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	106		P	40 - 150
2,4,5-T	94.0		P	40 - 150
Acetaminophen	49.1		P	30 - 150
Acetamiprid	79.2		P	40 - 150
Afidopyropen	62.2		P	30 - 150
Bentazon	110		P	30 - 150
Benzovindiflupyr	64.4		P	40 - 150
Carbamazepine	67.4		P	40 - 150
Clothianidin	84.1		P	40 - 150
Dinotefuran	86.0		P	40 - 150
Diuron	51.7		P	40 - 150
Fenuron	72.2		P	40 - 150
Fluridone	73.1		P	40 - 150
Hydrocodone	86.2		P	40 - 150
Ibuprofen	85.3		P	40 - 150
Imazapyr	88.9		P	40 - 150
Imidacloprid	79.6		P	40 - 150
Linuron	82.7		P	40 - 150
Mandestrobin	78.8		P	40 - 150
MCPP	95.8		P	40 - 150
Naproxen	70.7		P	40 - 150
Primidone	77.1		P	40 - 150
Pyraclostrobin	87.0		P	40 - 150
Silvex	96.2		P	40 - 150
Thiamethoxam	83.2		P	40 - 150
Tolfenpyrad	60.4		P	30 - 150
Triclopyr	93.5		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P431332

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	54.2		P	40 - 150
Aldicarb	40.7		P	30 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P431332

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldicarb Sulfone	77.9		P	40 - 150
Aldicarb Sulfoxide	93.0		P	40 - 150
Carbaryl	77.8		P	40 - 150
Carbofuran	69.8		P	40 - 150
Methiocarb	65.1		P	40 - 150
Methomyl	76.4		P	40 - 150
Oxamyl	70.9		P	40 - 150
Propoxur	66.3		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P431568

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	98.9		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P431655

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	94.2		P	90 - 110

Reference Method: SM 2540 D-2015
Batch ID: P431521

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	88.8		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P431571

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

Reference Method: SM 5310 B-2011
Batch ID: P431573

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.3		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431532

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417219	Chloride	104		P	90 - 110
2417378	Chloride	103		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431535

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417219	Sulfate	101		P	90 - 110
2417378	Sulfate	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431489

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417223	Ammonia-N	95.4	97.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431537

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417222	Kjeldahl Nitrogen	100	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431473

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417326	NO2NO3-N	104	103	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431724

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417421	NO2NO3-N	105	104	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431382

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417351	Total-P	107	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431628

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2418475	Total-P	106	107	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P431169

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2416029	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	114	120	P/P	26 - 165
2416029	Acetochlor	79.4	85.0	P/P	67 - 124

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P431169

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2416029	Alachlor	80.5	76.8	P/P	60 - 120
2416029	Ametryn	113	131	P/P	54 - 216
2416029	Atrazine Desethyl	95.1	109	P/P	15 - 122
2416029	Avobenzone	139	123	P/P	37 - 178
2416029	Azinphos Methyl	107	116	P/P	40 - 292
2416029	Azoxystrobin	133	139	P/P	35 - 220
2416029	Bromacil	104	91.9	P/P	45 - 127
2416029	Butylate	61.7	54.0	P/P	20 - 83.0
2416029	Caffeine	111	99.0	P/P	10 - 194
2416029	Carbophenothion	106	111	P/P	57 - 127
2416029	Carfentrazone Ethyl	110	117	P/P	51 - 141
2416029	Chlorfenapyr	87.2	87.7	P/P	46 - 111
2416029	Chlorpyrifos Ethyl	113	96.5	P/P	52 - 120
2416029	Chlorpyrifos Methyl	104	108	P/P	63 - 119
2416029	Coumaphos	111	136	P/P	10 - 228
2416029	Cyanazine	170	148	P/P	59 - 241
2416029	Cyprodinil	101	88.2	P/P	47 - 146
2416029	Dechlorane 602	78.6	85.7	P/P	50 - 150
2416029	Dechlorane 603	136	135	P/P	50 - 150
2416029	Dechlorane Plus	93.6	93.0	P/P	50 - 150
2416029	Demeton	86.1	83.5	P/P	40 - 136
2416029	Diazinon	112	114	P/P	69 - 132
2416029	Difenoconazole	87.4	103	P/P	57 - 258
2416029	Dimethenamid	90.8	97.7	P/P	54 - 110
2416029	Dimethomorph	193	161	P/P	28 - 210
2416029	Disulfoton	110	106	P/P	43 - 133
2416029	Dithiopyr	110	113	P/P	39 - 116
2416029	EPTC	58.3	48.1	P/P	20 - 78.0
2416029	Ethion	112	96.7	P/P	17 - 119
2416029	Ethoprop	103	98.8	P/P	66 - 120
2416029	Etridiazole	67.8	62.0	P/P	28 - 96.0
2416029	Fenamiphos	92.3	89.3	P/P	41 - 126
2416029	Fenbuconazole	76.8	80.6	P/P	42 - 169
2416029	Fipronil	79.4	80.3	P/P	61 - 132
2416029	Fipronil Desulfinyl	94.3	97.4	P/P	56 - 132
2416029	Fipronil Sulfide	91.7	87.8	P/P	48 - 119
2416029	Fipronil Sulfone	69.7	85.7	P/P	42 - 131
2416029	Fluazifop-P-butyl	71.7	71.6	P/P	53 - 131
2416029	Fludioxonil	90.1	91.5	P/P	56 - 127
2416029	Flumioxazin	127	142	P/P	19 - 300
2416029	Flutolanil	81.3	83.6	P/P	41 - 127
2416029	Fluxapyroxad	79.8	93.4	P/P	42 - 172
2416029	Fonofos	96.7	89.2	P/P	59 - 113
2416029	Hexabromobenzene	138	129	P/P	50 - 150
2416029	Hexazinone	103	111	P/P	66 - 122
2416029	Imazalil	49.1	78.8	P/P	21 - 283
2416029	Iprodione	89.9	99.1	P/P	43 - 150
2416029	Loratadine	141	151	P/P	23 - 201
2416029	Malathion	99.7	101	P/P	58 - 136
2416029	Metalaxyl	93.3	95.3	P/P	55 - 120
2416029	Metolachlor	109	113	P/P	57 - 121
2416029	Metribuzin	107	110	P/P	58 - 294

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P431169

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2416029	Mevinphos	96.4	90.7	P/P	50 - 126
2416029	Molinate	64.1	59.4	P/P	42 - 93.0
2416029	Myclobutanil	110	108	P/P	55 - 125
2416029	Naled	35.9	38.5	P/P	18 - 200
2416029	Napropamide	70.3	77.9	P/P	39 - 110
2416029	Norflurazon	95.5	98.3	P/P	48 - 128
2416029	Octinoxate	142	104	P/P	21 - 159
2416029	Oxadiazon	92.1	96.3	P/P	43 - 112
2416029	Oxybenzone	128	121	P/P	41 - 142
2416029	Oxyfluorfen	121	114	P/P	64 - 153
2416029	Parathion Ethyl	109	101	P/P	69 - 114
2416029	Parathion Methyl	110	111	P/P	79 - 139
2416029	PBB-153	149	147	P/P	50 - 150
2416029	PBDE-47	97.1	100	P/P	27 - 144
2416029	PBDE-99	92.4	96.0	P/P	18 - 150
2416029	Pendimethalin	172	150	F/F	50 - 139
2416029	Pentabromotoluene	123	111	P/P	50 - 150
2416029	Phenytoin	109	94.9	P/P	10 - 146
2416029	Phorate	137	113	P/P	54 - 161
2416029	Prodiamine	75.3	70.6	P/P	30 - 161
2416029	Prometon	95.3	96.1	P/P	45 - 134
2416029	Prometryn	95.8	109	P/P	45 - 137
2416029	Pronamide	118	109	P/P	65 - 133
2416029	Propanil	114	116	P/P	49 - 142
2416029	Propargite	65.4	82.2	P/P	10 - 203
2416029	Propiconazole	81.9	86.9	P/P	38 - 146
2416029	Pyraflufen Ethyl	69.9	62.0	P/P	34 - 153
2416029	Pyridaben	91.9	106	P/P	12 - 192
2416029	Pyriproxyfen	89.9	94.5	P/P	33 - 180
2416029	Simazine	111	99.0	P/P	51 - 157
2416029	Stirophos	76.2	72.1	P/P	10 - 128
2416029	Sulfentrazone	89.4	101	P/P	53 - 186
2416029	Tebuconazole	65.0	76.3	P/P	10 - 133
2416029	Terbufos	115	106	P/P	65 - 139
2416029	Terbuthylazine	91.1	91.1	P/P	66 - 117
2416029	Tetradecachloro-m-terphenyl	180	169	P/P	70 - 200
2416029	Thiobencarb	108	101	P/P	51 - 119
2416029	Tri-o-cresyl Phosphate	134	121	P/P	31 - 144
2416029	Triadimefon	117	111	P/P	48 - 119
2416029	Tris(1-chloro-2-propyl) phosphate (TCPP)	115	90.0	P/P	50 - 150
2416029	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	125	114	P/P	50 - 150
2416029	Tris(2-chloroethyl) phosphate (TCEP)	126	114	P/P	70 - 180

Reference Method: EPA 8270E
Batch ID: P431247

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2416653	PCB-1016	92.2	104	P/P	46 - 111
2416653	PCB-1260	83.8	106	P/P	45 - 114
2417276	Aldrin	53.3	51.3	P/P	20 - 82.0
2417276	Alpha-BHC	97.0	87.4	P/P	71 - 109
2417276	Alpha-Chlordane	75.0	53.6	P/P	42 - 106

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P431247

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417276	Beta-BHC	103	92.2	P/P	69 - 180
2417276	Beta-Cyfluthrin	79.7	66.2	P/P	18 - 175
2417276	Bifenthrin	108	80.4	P/P	21 - 128
2417276	Chlorothalonil	193	132	P/P	10 - 300
2417276	Cis-Nonachlor	72.1	66.3	P/P	34 - 106
2417276	Cypermethrin	83.1	66.0	P/P	22 - 158
2417276	Dacthal	116	90.7	P/P	54 - 116
2417276	DDD-p,p'	106	85.6	P/P	34 - 107
2417276	DDE-p,p'	102	75.1	P/P	33 - 110
2417276	DDT-p,p'	70.4	60.0	P/P	50 - 122
2417276	Delta-BHC	143	105	P/P	77 - 193
2417276	Deltamethrin	110	103	P/P	10 - 195
2417276	Dichlobenil	39.1	45.6	P/P	25 - 113
2417276	Dicofol	84.2	73.9	P/P	38 - 247
2417276	Dieldrin	75.8	67.2	P/P	45 - 118
2417276	Endosulfan I	80.5	72.8	P/P	51 - 106
2417276	Endosulfan II	61.1	59.6	P/P	37 - 122
2417276	Endosulfan Sulfate	77.2	59.9	P/P	43 - 132
2417276	Endrin	66.9	64.9	P/P	29 - 101
2417276	Endrin Aldehyde	87.5	64.6	P/P	19 - 110
2417276	Endrin Ketone	77.9	68.5	P/P	60 - 140
2417276	Esfenvalerate	118	128	P/P	26 - 199
2417276	Ethalfluralin	62.8	62.9	P/P	45 - 99.0
2417276	Fenpropathrin	74.0	65.4	P/P	35 - 120
2417276	Gamma-BHC	115	91.4	P/P	63 - 128
2417276	Gamma-Chlordane	64.3	46.1	P/P	40 - 104
2417276	Heptachlor	56.9	56.4	P/P	36 - 97.0
2417276	Heptachlor Epoxide	76.9	67.8	P/P	49 - 184
2417276	Hexachlorobenzene	81.0	57.8	P/P	39 - 96.0
2417276	Kepone	93.4	54.8	P/P	10 - 217
2417276	Lambda-Cyhalothrin	190	155	P/P	21 - 193
2417276	Methoprene	47.4	41.9	P/P	20 - 106
2417276	Methoxychlor	83.0	75.2	P/P	53 - 118
2417276	MGK-264	57.9	55.7	P/P	40 - 118
2417276	Mirex	86.7	68.8	P/P	26 - 92.0
2417276	Oxychlordane	47.8	47.4	P/P	44 - 99.0
2417276	Permethrin	75.7	79.4	P/P	33 - 182
2417276	Phenothrin	115	107	P/P	10 - 129
2417276	Piperonyl Butoxide	113	105	P/P	10 - 211
2417276	Prallethrin	45.2	44.4	P/P	24 - 113
2417276	Tau-Fluvalinate	148	138	P/P	14 - 149
2417276	Tetramethrin	83.3	72.4	P/P	17 - 151
2417276	Trans-Nonachlor	71.5	45.6	P/P	42 - 102
2417276	Triclosan Methyl	81.1	69.3	P/P	48 - 108
2417276	Trifluralin	54.2	56.2	P/P	47 - 96.0

Reference Method: EPA 8276
Batch ID: P431247

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2416653	Chlordane	47.4	42.8	F/F	53 - 126
2416653	Toxaphene	58.9	59.9	P/P	56 - 211

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P431248

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417275	Acesulfame K	131	132	P/P	40 - 150
2417275	AMPA	87.7	90.5	P/P	40 - 150
2417275	Endothall	99.0	110	P/P	40 - 150
2417275	Glufosinate	78.2	82.3	P/P	40 - 150
2417275	Glyphosate	80.3	85.9	P/P	40 - 150
2417275	Sucralose	125	104	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P431299

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417275	2,4-D	108	100	P/P	40 - 150
2417275	2,4,5-T	110	91.1	P/P	40 - 150
2417275	Acetaminophen	51.3	49.6	P/P	30 - 150
2417275	Acetamiprid	86.8	67.5	P/P	40 - 150
2417275	Afidopyropen	54.5	70.5	P/P	30 - 150
2417275	Bentazon	104	110	P/P	30 - 150
2417275	Benzovindiflupyr	94.4	85.9	P/P	40 - 150
2417275	Carbamazepine	85.8	73.3	P/P	40 - 150
2417275	Clothianidin	91.3	96.8	P/P	40 - 150
2417275	Dinotefuran	95.1	89.8	P/P	40 - 150
2417275	Diuron	46.7	74.1	P/P	40 - 150
2417275	Fenuron	73.4	70.7	P/P	40 - 150
2417275	Fluridone	73.8	73.5	P/P	40 - 150
2417275	Hydrocodone	82.8	84.7	P/P	40 - 150
2417275	Ibuprofen	64.3	79.9	P/P	40 - 150
2417275	Imazapyr	113	107	P/P	40 - 150
2417275	Imidacloprid	98.8	126	P/P	40 - 150
2417275	Linuron	63.6	65.4	P/P	40 - 150
2417275	Mandestrobin	91.3	87.2	P/P	40 - 150
2417275	MCPP	112	105	P/P	40 - 150
2417275	Naproxen	75.3	67.2	P/P	40 - 150
2417275	Primidone	90.0	68.7	P/P	40 - 150
2417275	Pyraclostrobin	89.3	89.7	P/P	40 - 150
2417275	Silvex	109	97.2	P/P	40 - 150
2417275	Thiamethoxam	98.5	102	P/P	40 - 150
2417275	Tolfenpyrad	56.0	54.2	P/P	30 - 150
2417275	Triclopyr	121	96.7	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P431332

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417274	3-Hydroxycarbofuran	70.1	68.7	P/P	40 - 150
2417274	Aldicarb	53.7	59.6	P/P	30 - 150
2417274	Aldicarb Sulfone	83.5	86.2	P/P	40 - 150
2417274	Aldicarb Sulfoxide	25.2	31.8	F/F	40 - 150
2417274	Carbaryl	69.2	53.9	P/P	40 - 150
2417274	Carbofuran	63.4	62.4	P/P	40 - 150
2417274	Methiocarb	78.8	91.0	P/P	40 - 150
2417274	Methomyl	70.5	74.8	P/P	40 - 150
2417274	Oxamyl	80.3	76.1	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P431332

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417274	Propoxur	67.8	64.7	P/P	40 - 150

Reference Method: SM 4500-F- C-2011
Batch ID: P431571

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417379	Fluoride	102	103	P/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P431573

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2415723	Organic Carbon	96.3		P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P431283

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417151	Color (true)	0.535	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P431280

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417216	Turbidity	0.712	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431532

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417219	Chloride	0.998	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431535

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417219	Sulfate	0.727	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431489

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417223	Ammonia-N	1.86	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431537

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417222	Kjeldahl Nitrogen	5.34	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431473

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417326	NO2NO3-N	0.344	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431724

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417421	NO2NO3-N	0.477	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431382

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417351	Total-P	3.13	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431628

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2418475	Total-P	0.211	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P431169

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416029	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	5.32	Spike	P	0 - 37
2416029	Acetochlor	6.00	Spike	P	0 - 28
2416029	Alachlor	4.66	Spike	P	0 - 30
2416029	Ametryn	14.7	Spike	P	0 - 32
2416029	Atrazine	9.00	Spike	P	0 - 41
2416029	Atrazine Desethyl	13.3	Spike	P	0 - 36
2416029	Avobenzone	12.2	Spike	P	0 - 36
2416029	Azinphos Methyl	8.26	Spike	P	0 - 75
2416029	Azoxystrobin	4.57	Spike	P	0 - 39
2416029	Bromacil	10.6	Spike	P	0 - 33
2416029	Butylate	13.3	Spike	P	0 - 44
2416029	Caffeine	8.72	Spike	P	0 - 74
2416029	Carbophenothion	5.00	Spike	P	0 - 25
2416029	Carfentrazone Ethyl	6.07	Spike	P	0 - 27
2416029	Chlorfenapyr	0.508	Spike	P	0 - 24
2416029	Chlorpyrifos Ethyl	15.5	Spike	P	0 - 26
2416029	Chlorpyrifos Methyl	3.66	Spike	P	0 - 26
2416029	Coumaphos	19.6	Spike	P	0 - 28
2416029	Cyanazine	13.7	Spike	P	0 - 48
2416029	Cyprodinil	13.7	Spike	P	0 - 29
2416029	Dechlorane 602	8.70	Spike	P	0 - 30
2416029	Dechlorane 603	1.01	Spike	P	0 - 30
2416029	Dechlorane Plus	0.701	Spike	P	0 - 30
2416029	Demeton	3.06	Spike	P	0 - 33
2416029	Diazinon	1.39	Spike	P	0 - 29
2416029	Difenoconazole	15.9	Spike	P	0 - 34
2416029	Dimethenamid	6.46	Spike	P	0 - 39
2416029	Dimethomorph	18.5	Spike	P	0 - 51
2416029	Disulfoton	3.61	Spike	P	0 - 30
2416029	Dithiopyr	2.16	Spike	P	0 - 26
2416029	EPTC	19.2	Spike	P	0 - 43
2416029	Ethion	14.9	Spike	P	0 - 79
2416029	Ethoprop	4.12	Spike	P	0 - 29
2416029	Etridiazole	8.93	Spike	P	0 - 33
2416029	Fenamiphos	3.34	Spike	P	0 - 40
2416029	Fenbuconazole	4.86	Spike	P	0 - 74
2416029	Fipronil	0.913	Spike	P	0 - 29

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P431169

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416029	Fipronil Desulfinyl	2.84	Spike	P	0 - 32
2416029	Fipronil Sulfide	4.06	Spike	P	0 - 30
2416029	Fipronil Sulfone	18.9	Spike	P	0 - 33
2416029	Fluazifop-P-butyl	0.0938	Spike	P	0 - 38
2416029	Fludioxonil	1.47	Spike	P	0 - 29
2416029	Flumioxazin	11.2	Spike	P	0 - 51
2416029	Flutolanil	2.84	Spike	P	0 - 25
2416029	Fluxapyroxad	13.7	Spike	P	0 - 45
2416029	Fonofos	8.08	Spike	P	0 - 27
2416029	Hexabromobenzene	6.45	Spike	P	0 - 30
2416029	Hexazinone	7.28	Spike	P	0 - 30
2416029	Imazalil	46.5	Spike	P	0 - 100
2416029	Iprodione	9.74	Spike	P	0 - 33
2416029	Loratadine	6.92	Spike	P	0 - 56
2416029	Malathion	1.11	Spike	P	0 - 37
2416029	Metalaxyl	1.80	Spike	P	0 - 40
2416029	Metolachlor	2.40	Spike	P	0 - 29
2416029	Metribuzin	2.75	Spike	P	0 - 45
2416029	Mevinphos	6.04	Spike	P	0 - 29
2416029	Molinate	7.53	Spike	P	0 - 33
2416029	Myclobutanil	1.72	Spike	P	0 - 26
2416029	Naled	7.06	Spike	P	0 - 37
2416029	Napropamide	10.2	Spike	P	0 - 44
2416029	Norflurazon	2.92	Spike	P	0 - 30
2416029	Octinoxate	24.3	Spike	P	0 - 45
2416029	Oxadiazon	4.45	Spike	P	0 - 28
2416029	Oxybenzone	5.41	Spike	P	0 - 46
2416029	Oxyfluorfen	5.39	Spike	P	0 - 28
2416029	Parathion Ethyl	7.43	Spike	P	0 - 31
2416029	Parathion Methyl	1.12	Spike	P	0 - 29
2416029	PBB-153	1.21	Spike	P	0 - 30
2416029	PBDE-47	3.11	Spike	P	0 - 36
2416029	PBDE-99	3.82	Spike	P	0 - 40
2416029	Pendimethalin	13.4	Spike	P	0 - 33
2416029	Pentabromotoluene	10.2	Spike	P	0 - 30
2416029	Phenytoin	14.1	Spike	P	0 - 100
2416029	Phorate	19.0	Spike	P	0 - 36
2416029	Prodiamine	6.54	Spike	P	0 - 71
2416029	Prometon	0.791	Spike	P	0 - 36
2416029	Prometryn	12.7	Spike	P	0 - 28
2416029	Pronamide	8.00	Spike	P	0 - 24
2416029	Propanil	1.18	Spike	P	0 - 28
2416029	Propargite	22.7	Spike	P	0 - 43
2416029	Propiconazole	5.94	Spike	P	0 - 33
2416029	Pyraflufen Ethyl	12.0	Spike	P	0 - 29
2416029	Pyridaben	14.4	Spike	P	0 - 30
2416029	Pyriproxyfen	4.97	Spike	P	0 - 79
2416029	Simazine	11.5	Spike	P	0 - 29
2416029	Stirophos	5.57	Spike	P	0 - 61
2416029	Sulfentrazone	10.6	Spike	P	0 - 33
2416029	Tebuconazole	16.0	Spike	P	0 - 69

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P431169

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416029	Terbufos	8.27	Spike	P	0 - 29
2416029	Terbuthylazine	0.0232	Spike	P	0 - 32
2416029	Tetradecachloro-m-terphenyl	6.41	Spike	P	0 - 30
2416029	Thiobencarb	6.28	Spike	P	0 - 26
2416029	Tri-o-cresyl Phosphate	10.0	Spike	P	0 - 33
2416029	Triadimefon	4.66	Spike	P	0 - 28
2416029	Tris(1-chloro-2-propyl) phosphate (TCPP)	24.5	Spike	P	0 - 30
2416029	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	8.99	Spike	P	0 - 30
2416029	Tris(2-chloroethyl) phosphate (TCEP)	9.89	Spike	P	0 - 30

Reference Method: EPA 8270E
Batch ID: P431247

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416653	PCB-1016	11.7	Spike	P	0 - 32
2416653	PCB-1260	23.7	Spike	P	0 - 31
2417276	Aldrin	3.82	Spike	P	0 - 41
2417276	Alpha-BHC	10.4	Spike	P	0 - 25
2417276	Alpha-Chlordane	30.2	Spike	P	0 - 33
2417276	Beta-BHC	11.4	Spike	P	0 - 36
2417276	Beta-Cyfluthrin	18.6	Spike	P	0 - 42
2417276	Bifenthrin	29.2	Spike	P	0 - 53
2417276	Chlorothalonil	37.7	Spike	P	0 - 71
2417276	Cis-Nonachlor	8.40	Spike	P	0 - 29
2417276	Cypermethrin	23.0	Spike	P	0 - 40
2417276	Dacthal	24.3	Spike	P	0 - 26
2417276	DDD-p,p'	20.9	Spike	P	0 - 39
2417276	DDE-p,p'	30.3	Spike	P	0 - 33
2417276	DDT-p,p'	16.0	Spike	P	0 - 40
2417276	Delta-BHC	31.3	Spike	P	0 - 37
2417276	Deltamethrin	6.79	Spike	P	0 - 100
2417276	Dichlobenil	15.2	Spike	P	0 - 40
2417276	Dicofol	13.1	Spike	P	0 - 31
2417276	Dieldrin	12.1	Spike	P	0 - 27
2417276	Endosulfan I	10.1	Spike	P	0 - 23
2417276	Endosulfan II	2.46	Spike	P	0 - 28
2417276	Endosulfan Sulfate	25.2	Spike	P	0 - 38
2417276	Endrin	3.06	Spike	P	0 - 63
2417276	Endrin Aldehyde	30.1	Spike	P	0 - 60
2417276	Endrin Ketone	12.9	Spike	P	0 - 37
2417276	Esfenvalerate	8.39	Spike	P	0 - 52
2417276	Ethalfluralin	0.0547	Spike	P	0 - 23
2417276	Fenpropathrin	12.3	Spike	P	0 - 32
2417276	Gamma-BHC	23.0	Spike	F	0 - 17
2417276	Gamma-Chlordane	29.6	Spike	P	0 - 40
2417276	Heptachlor	0.808	Spike	P	0 - 29
2417276	Heptachlor Epoxide	12.6	Spike	P	0 - 25
2417276	Hexachlorobenzene	33.6	Spike	P	0 - 36
2417276	Kepone	52.1	Spike	P	0 - 93
2417276	Lambda-Cyhalothrin	20.4	Spike	P	0 - 55

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P431247

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417276	Methoprene	12.4	Spike	P	0 - 53
2417276	Methoxychlor	9.94	Spike	P	0 - 29
2417276	MGK-264	3.83	Spike	P	0 - 35
2417276	Mirex	23.0	Spike	P	0 - 46
2417276	Oxychlordane	0.863	Spike	P	0 - 29
2417276	Permethrin	4.69	Spike	P	0 - 44
2417276	Phenothrin	6.97	Spike	P	0 - 56
2417276	Piperonyl Butoxide	7.22	Spike	P	0 - 100
2417276	Prallethrin	1.67	Spike	P	0 - 42
2417276	Tau-Fluvalinate	6.75	Spike	P	0 - 54
2417276	Tetramethrin	13.9	Spike	P	0 - 51
2417276	Trans-Nonachlor	44.3	Spike	F	0 - 37
2417276	Triclosan Methyl	15.7	Spike	P	0 - 31
2417276	Trifluralin	3.71	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P431247

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416653	Chlordane	10.3	Spike	P	0 - 25
2416653	Toxaphene	1.57	Spike	P	0 - 26

Reference Method: EPA 8321B
Batch ID: P431248

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417275	Acesulfame K	0.457	Spike	P	0 - 30
2417275	AMPA	3.15	Spike	P	0 - 30
2417275	Endothall	10.3	Spike	P	0 - 30
2417275	Glufosinate	5.07	Spike	P	0 - 30
2417275	Glyphosate	6.81	Spike	P	0 - 30
2417275	Sucralose	16.5	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P431299

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417275	2,4-D	7.28	Spike	P	0 - 30
2417275	2,4,5-T	19.1	Spike	P	0 - 30
2417275	Acetaminophen	3.29	Spike	P	0 - 30
2417275	Acetamiprid	24.9	Spike	P	0 - 30
2417275	Afidopyropen	25.5	Spike	P	0 - 30
2417275	Bentazon	5.26	Spike	P	0 - 30
2417275	Benzovindiflupyr	9.51	Spike	P	0 - 30
2417275	Carbamazepine	15.8	Spike	P	0 - 30
2417275	Clothianidin	5.86	Spike	P	0 - 30
2417275	Dinotefuran	5.66	Spike	P	0 - 30
2417275	Diuron	45.4	Spike	F	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P431299

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417275	Fenuron	3.80	Spike	P	0 - 30
2417275	Fluridone	0.429	Spike	P	0 - 30
2417275	Hydrocodone	2.30	Spike	P	0 - 30
2417275	Ibuprofen	21.7	Spike	P	0 - 30
2417275	Imazapyr	5.47	Spike	P	0 - 30
2417275	Imidacloprid	22.2	Spike	P	0 - 30
2417275	Linuron	2.75	Spike	P	0 - 30
2417275	Mandestrobin	4.60	Spike	P	0 - 30
2417275	MCPP	6.42	Spike	P	0 - 30
2417275	Naproxen	11.3	Spike	P	0 - 30
2417275	Primidone	26.8	Spike	P	0 - 30
2417275	Pyraclostrobin	0.421	Spike	P	0 - 30
2417275	Silvex	11.1	Spike	P	0 - 30
2417275	Thiamethoxam	3.19	Spike	P	0 - 30
2417275	Tolfenpyrad	3.28	Spike	P	0 - 30
2417275	Triclopyr	22.2	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P431332

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417274	3-Hydroxycarbofuran	1.93	Spike	P	0 - 30
2417274	Aldicarb	10.5	Spike	P	0 - 30
2417274	Aldicarb Sulfone	3.18	Spike	P	0 - 30
2417274	Aldicarb Sulfoxide	23.2	Spike	P	0 - 30
2417274	Carbaryl	25.0	Spike	P	0 - 30
2417274	Carbofuran	1.54	Spike	P	0 - 30
2417274	Methiocarb	14.4	Spike	P	0 - 30
2417274	Methomyl	5.91	Spike	P	0 - 30
2417274	Oxamyl	5.47	Spike	P	0 - 30
2417274	Propoxur	4.70	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P431568

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417379	Total Alkalinity	1.19	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P431655

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417325	TDS	0.587	Sample	P	0 - 10

Quality Assurance Report
Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P431571

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417379	Fluoride	0.492	Spike	P	0 - 1.9

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2417274
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	44.9	P	30 - 160

Lab Sample ID: 2417275
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	113	P	30 - 160
EPA 8321B	Acetaminophen-d4	52.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	63.7	P	30 - 160
EPA 8321B	Diuron-d6	58.1	P	30 - 160
EPA 8321B	Endothall-d6	93.5	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	91.1	P	30 - 160
EPA 8321B	Ibuprofen-d3	92.4	P	30 - 160
EPA 8321B	Primidone-d5	74.4	P	30 - 160
EPA 8321B	Sucralose-d6	156	P	30 - 160

Lab Sample ID: 2417276
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	95.0	P	29 - 130
EPA 8270E	Decachlorobiphenyl	78.9	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	73.3	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	69.5	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	43.4	P	30 - 101
EPA 8276	PCNB	102	P	48 - 121

Lab Sample ID: 2417277
Field Sample ID: G4NW0382

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	78.2	P	20 - 200
EPA 8270E	Simazine-d10	90.4	P	62 - 142
EPA 8270E	Terbufos-d10	93.8	P	58 - 132
EPA 8270E	Terphenyl-d14	79.9	P	52 - 137

Quality Assurance Report
Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A119806
Included Lab Sample IDs: 2417262, 2417264

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	102	102	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1
Run ID: A119807
Included Lab Sample IDs: 2417262, 2417264

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.8	98.8	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A119859
Included Lab Sample IDs: 2417275

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	102	83.0	P/P	60 - 160
Endothall	95.4	96.7	P/P	60 - 160
Glufosinate	90.0	89.6	P/P	60 - 160
Glyphosate	89.7	85.7	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A119868
Included Lab Sample IDs: 2417275

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	133	141	P/P	60 - 160
Sucralose	120	129	P/P	60 - 160

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A119884
Included Lab Sample IDs: 2417263

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	104	101	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A119885
Included Lab Sample IDs: 2417277

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	94.2		P	80 - 120
Avobenzone	98.1		P	80 - 120
Dechlorane 602	98.7		P	80 - 120
Dechlorane 603	96.4		P	80 - 120
Dechlorane Plus	92.5		P	80 - 120
Hexabromobenzene	97.1		P	80 - 120
Octinoxate	94.9		P	80 - 120
Oxybenzone	93.4		P	80 - 120
PBB-153	96.2		P	80 - 120
PBDE-47	96.4		P	80 - 120
PBDE-99	96.0		P	80 - 120
Pentabromotoluene	98.4		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A119885
Included Lab Sample IDs: 2417277

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tetradecachloro-m-terphenyl	93.3		P	80 - 120
Tri-o-cresyl Phosphate	97.5		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	91.3		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	94.1		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	91.6		P	80 - 120

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A119894
Included Lab Sample IDs: 2417263

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	103	104	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A119900
Included Lab Sample IDs: 2417275

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	103	95.1	P/P	50 - 150
2,4,5-T	104	83.7	P/P	50 - 150
3-Hydroxycarbofuran	105	93.2	P/P	60 - 150
Acetaminophen	69.3	62.6	P/P	60 - 160
Acetamiprid	93.7	107	P/P	50 - 150
Afidopyropen	102	105	P/P	50 - 150
Aldicarb	107	113	P/P	60 - 150
Aldicarb Sulfone	101	114	P/P	50 - 150
Aldicarb Sulfoxide	74.3	97.5	P/P	50 - 150
Bentazon	125	160	P/P	50 - 160
Benzovindiflupyr	96.7	118	P/P	50 - 150
Carbamazepine	103	90.0	P/P	60 - 150
Carbaryl	104	106	P/P	60 - 150
Carbofuran	91.7	93.5	P/P	50 - 150
Clothianidin	106	108	P/P	60 - 150
Dinotefuran	102	107	P/P	50 - 150
Diuron	96.2	138	P/P	60 - 160
Fenuron	96.0	110	P/P	60 - 150
Fluridone	109	93.8	P/P	60 - 160
Hydrocodone	108	111	P/P	60 - 150
Ibuprofen	138	92.3	P/P	50 - 160
Imazapyr	107	106	P/P	50 - 150
Imidacloprid	97.6	89.4	P/P	60 - 150
Linuron	104	118	P/P	60 - 150
Mandestrobin	108	107	P/P	50 - 150
MCPP	104	99.5	P/P	50 - 150
Methiocarb	122	108	P/P	50 - 150
Methomyl	98.5	97.9	P/P	50 - 150
Naproxen	85.7	113	P/P	50 - 160
Oxamyl	118	89.8	P/P	50 - 150
Primidone	88.2	95.0	P/P	60 - 150
Propoxur	106	112	P/P	50 - 150
Pyraclostrobin	108	126	P/P	60 - 150

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A119900
Included Lab Sample IDs: 2417275

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Silvex	101	126	P/P	50 - 150
Thiamethoxam	143	104	P/P	50 - 150
Tolfenpyrad	105	104	P/P	60 - 150
Triclopyr	112	99.8	P/P	50 - 150

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A119904
Included Lab Sample IDs: 2417263, 2417265

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.8	97.9	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A119927
Included Lab Sample IDs: 2417262, 2417264

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	102	97.8	P/P	90 - 110
Sulfate	101	97.3	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A119934
Included Lab Sample IDs: 2417277

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	90.2		P	80 - 120
Alachlor	86.5		P	80 - 120
Ametryn	103		P	80 - 120
Atrazine	89.3		P	80 - 120
Atrazine Desethyl	81.7		P	80 - 120
Azinphos Methyl	96.3		P	80 - 120
Azoxystrobin	97.6		P	80 - 120
Bromacil	99.5		P	80 - 120
Butylate	99.9		P	80 - 120
Caffeine	114		P	80 - 120
Carbophenothion	93.4		P	80 - 120
Carfentrazone Ethyl	92.8		P	80 - 120
Chlorfenapyr	82.3		P	80 - 120
Chlorpyrifos Ethyl	87.9		P	80 - 120
Chlorpyrifos Methyl	104		P	80 - 120
Coumaphos	101		P	80 - 120
Cyanazine	82.6		P	80 - 120
Cyprodinil	97.6		P	80 - 120
Demeton	102		P	80 - 120
Diazinon	101		P	80 - 120
Difenoconazole	98.0		P	80 - 120
Dimethenamid	107		P	80 - 120
Dimethomorph	93.5		P	80 - 120
Disulfoton	98.7		P	80 - 120
Dithiopyr	99.6		P	80 - 120
EPTC	99.4		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A119934
Included Lab Sample IDs: 2417277

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ethion	84.2		P	80 - 120
Ethoprop	105		P	80 - 120
Etridiazole	97.6		P	80 - 120
Fenamiphos	87.5		P	80 - 120
Fenbuconazole	88.6		P	80 - 120
Fipronil	91.3		P	80 - 120
Fipronil Desulfinyl	101		P	80 - 120
Fipronil Sulfide	103		P	80 - 120
Fipronil Sulfone	101		P	80 - 120
Fluazifop-P-butyl	93.7		P	80 - 120
Fludioxonil	105		P	80 - 120
Flumioxazin	97.7		P	80 - 120
Flutolanil	101		P	80 - 120
Fluxapyroxad	99.4		P	80 - 120
Fonofos	97.4		P	80 - 120
Hexazinone	98.3		P	80 - 120
Imazalil	95.2		P	80 - 120
Iprodione	91.6		P	80 - 120
Loratadine	85.6		P	80 - 120
Malathion	89.2		P	80 - 120
Metalaxyl	95.2		P	80 - 120
Metolachlor	104		P	80 - 120
Metribuzin	101		P	80 - 120
Mevinphos	102		P	80 - 120
Molinate	89.7		P	80 - 120
Myclobutanil	87.9		P	80 - 120
Naled	94.0		P	80 - 120
Napropamide	97.0		P	80 - 120
Norflurazon	92.0		P	80 - 120
Oxadiazon	97.2		P	80 - 120
Oxyfluorfen	94.0		P	80 - 120
Parathion Ethyl	96.9		P	80 - 120
Parathion Methyl	90.7		P	80 - 120
Pendimethalin	101		P	80 - 120
Phenytoin	101		P	80 - 120
Phorate	102		P	80 - 120
Prodiamine	99.4		P	80 - 120
Prometon	100		P	80 - 120
Prometryn	105		P	80 - 120
Pronamide	103		P	80 - 120
Propanil	101		P	80 - 120
Propargite	90.1		P	80 - 120
Propiconazole	85.3		P	80 - 120
Pyraflufen Ethyl	102		P	80 - 120
Pyridaben	103		P	80 - 120
Pyriproxyfen	96.1		P	80 - 120
Simazine	92.0		P	80 - 120
Stirophos	86.5		P	80 - 120
Sulfentrazone	97.3		P	80 - 120
Tebuconazole	97.3		P	80 - 120
Terbufos	98.5		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A119934
Included Lab Sample IDs: 2417277

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Terbuthylazine	84.0		P	80 - 120
Thiobencarb	104		P	80 - 120
Triadimefon	98.5		P	80 - 120

Reference Method: EPA 8270E
Run ID: A119936
Included Lab Sample IDs: 2417276

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	89.8		P	80 - 120
PCB-1260	105		P	80 - 120

Reference Method: SM 2320 B-2011
Run ID: A119941
Included Lab Sample IDs: 2417262, 2417264

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.7	94.1	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A119941
Included Lab Sample IDs: 2417262, 2417264

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	103	104	P/P	90 - 110

Reference Method: SM 5310 B-2011
Run ID: A119942
Included Lab Sample IDs: 2417263, 2417265

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	95.3	96.7	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A119961
Included Lab Sample IDs: 2417263, 2417265

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	103	102	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A119994
Included Lab Sample IDs: 2417265

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

Quality Assurance Report
Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A119996
Included Lab Sample IDs: 2417265

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	104	104	P/P	90 - 110

Reference Method: EPA 8276
Run ID: A120020
Included Lab Sample IDs: 2417276

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	98.5		P	80 - 120
Toxaphene	102		P	80 - 120

Reference Method: EPA 8270E
Run ID: A120024
Included Lab Sample IDs: 2417276

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	103		P	80 - 120
Alpha-BHC	108		P	80 - 120
Alpha-Chlordane	112		P	80 - 120
Beta-BHC	116		P	80 - 120
Beta-Cyfluthrin	88.9		P	80 - 120
Bifenthrin	97.9		P	80 - 120
Chlorothalonil	105		P	80 - 120
Cis-Nonachlor	115		P	80 - 120
Cypermethrin	98.9		P	80 - 120
Dacthal	96.7		P	80 - 120
DDD-p,p'	107		P	80 - 120
DDE-p,p'	103		P	80 - 120
DDT-p,p'	97.6		P	80 - 120
Delta-BHC	110		P	80 - 120
Deltamethrin	90.7		P	80 - 120
Dichlobenil	109		P	80 - 120
Dicofol	93.0		P	80 - 120
Dieldrin	97.6		P	80 - 120
Endosulfan I	105		P	80 - 120
Endosulfan II	108		P	80 - 120
Endosulfan Sulfate	98.5		P	80 - 120
Endrin	108		P	80 - 120
Endrin Aldehyde	116		P	80 - 120
Endrin Ketone	108		P	80 - 120
Esfenvalerate	93.4		P	80 - 120
Ethalfluralin	97.5		P	80 - 120
Fenpropathrin	97.7		P	80 - 120
Gamma-BHC	106		P	80 - 120
Gamma-Chlordane	113		P	80 - 120
Heptachlor	99.6		P	80 - 120
Heptachlor Epoxide	120		P	80 - 120
Hexachlorobenzene	111		P	80 - 120
Kepone	93.3		P	80 - 120
Lambda-Cyhalothrin	114		P	80 - 120
Methoprene	102		P	80 - 120
Methoxychlor	102		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A120024
Included Lab Sample IDs: 2417276

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
MGK-264	94.1		P	80 - 120
Mirex	114		P	80 - 120
Oxychlordane	102		P	80 - 120
Permethrin	94.6		P	80 - 120
Phenothrin	103		P	80 - 120
Piperonyl Butoxide	94.2		P	80 - 120
Prallethrin	111		P	80 - 120
Tau-Fluvalinate	83.9		P	80 - 120
Tetramethrin	99.4		P	80 - 120
Trans-Nonachlor	107		P	80 - 120
Triclosan Methyl	118		P	80 - 120
Trifluralin	97.5		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	SMP	MS
DEP SOP: NU-094-1	Color (true)	101				0.535	
EPA 180.1 Rev. 2.0	Turbidity	102				0.712	
EPA 300.0 Rev. 2.1	Chloride	104	104	103		0.998	
	Sulfate	101	101	101		0.727	
EPA 350.1 Rev. 2.0	Ammonia-N	97.0	95.4	97.6			1.86
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.3	100	107			5.34
EPA 353.2 Rev. 2.0	NO2NO3-N	105	104	103			0.344
	NO2NO3-N	105	105	104			0.477
EPA 365.1 Rev. 2.0	Total-P	100	107	103			3.13
	Total-P	99.2	106	107			0.211
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	128	114	120			5.32
	Acetochlor	79.5	79.4	85.0			6.00
	Alachlor	75.7	80.5	76.8			4.66
	Aldrin	44.0	53.3	51.3			3.82
	Alpha-BHC	75.4	97.0	87.4			10.4
	Alpha-Chlordane	60.4	75.0	53.6			30.2
	Ametryn	111	113	131			14.7
	Atrazine	93.1					9.00
	Atrazine Desethyl	76.6	95.1	109			13.3
	Avobenzone	130	139	123			12.2
	Azinphos Methyl	112	107	116			8.26
	Azoxystrobin	98.2	133	139			4.57
	Beta-BHC	82.7	103	92.2			11.4
	Beta-Cyfluthrin	66.9	79.7	66.2			18.6
	Bifenthrin	62.4	108	80.4			29.2
	Bromacil	112	104	91.9			10.6
	Butylate	67.2	61.7	54.0			13.3
	Caffeine	86.8	111	99.0			8.72
	Carbophenothion	109	106	111			5.00
	Carfentrazone Ethyl	113	110	117			6.07
	Chlorfenapyr	78.7	87.2	87.7			0.508
	Chlorothalonil	91.0	193	132			37.7
	Chlorpyrifos Ethyl	87.8	113	96.5			15.5
	Chlorpyrifos Methyl	100	104	108			3.66
	Cis-Nonachlor	50.6	72.1	66.3			8.40
	Coumaphos	133	111	136			19.6
	Cyanazine	137	170	148			13.7
	Cypermethrin	66.2	83.1	66.0			23.0
	Cyprodinil	94.2	101	88.2			13.7
	Dacthal	70.3	116	90.7			24.3
	DDD-p,p'	62.5	106	85.6			20.9
	DDE-p,p'	60.8	102	75.1			30.3
	DDT-p,p'	61.4	70.4	60.0			16.0
	Dechlorane 602	109	78.6	85.7			8.70
	Dechlorane 603	140	136	135			1.01
	Dechlorane Plus	113	93.6	93.0			0.701
	Delta-BHC	96.8	143	105			31.3
	Deltamethrin	82.8	110	103			6.79
	Demeton	75.6	86.1	83.5			3.06
	Diazinon	114	112	114			1.39
	Dichlobenil	73.5	39.1	45.6			15.2
	Dicofol	62.5	84.2	73.9			13.1

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Dieldrin	57.1	75.8	67.2			12.1
	Difenoconazole	105	87.4	103			15.9
	Dimethenamid	90.6	90.8	97.7			6.46
	Dimethomorph	93.9	193	161			18.5
	Disulfoton	101	110	106			3.61
	Dithiopyr	105	110	113			2.16
	Endosulfan I	62.8	80.5	72.8			10.1
	Endosulfan II	55.3	61.1	59.6			2.46
	Endosulfan Sulfate	57.7	77.2	59.9			25.2
	Endrin	57.6	66.9	64.9			3.06
	Endrin Aldehyde	59.3	87.5	64.6			30.1
	Endrin Ketone	77.3	77.9	68.5			12.9
	EPTC	61.2	58.3	48.1			19.2
	Esfenvalerate	91.8	118	128			8.39
	Ethalfluralin	59.6	62.8	62.9			0.0547
	Ethion	100	112	96.7			14.9
	Ethoprop	96.0	103	98.8			4.12
	Etridiazole	73.9	67.8	62.0			8.93
	Fenamiphos	80.0	92.3	89.3			3.34
	Fenbuconazole	73.1	76.8	80.6			4.86
	Fenpropathrin	61.3	74.0	65.4			12.3
	Fipronil	80.9	79.4	80.3			0.913
	Fipronil Desulfinyl	99.5	94.3	97.4			2.84
	Fipronil Sulfide	86.8	91.7	87.8			4.06
	Fipronil Sulfone	83.5	69.7	85.7			18.9
	Fluazifop-P-butyl	68.8	71.7	71.6			0.0938
	Fludioxonil	79.3	90.1	91.5			1.47
	Flumioxazin	160	127	142			11.2
	Flutolanil	83.9	81.3	83.6			2.84
	Fluxapyroxad	91.1	79.8	93.4			13.7
	Fonofos	87.4	96.7	89.2			8.08
	Gamma-BHC	80.4	115	91.4			23.0
	Gamma-Chlordane	63.0	64.3	46.1			29.6
	Heptachlor	53.4	56.9	56.4			0.808
	Heptachlor Epoxide	77.2	76.9	67.8			12.6
	Hexabromobenzene	134	138	129			6.45
	Hexachlorobenzene	51.9	81.0	57.8			33.6
	Hexazinone	98.6	103	111			7.28
	Imazalil	64.7	49.1	78.8			46.5
	Iprodione	88.2	89.9	99.1			9.74
	Kepone	53.5	93.4	54.8			52.1
	Lambda-Cyhalothrin	79.9	190	155			20.4
	Loratadine	146	141	151			6.92
	Malathion	103	99.7	101			1.11
	Metalaxyl	102	93.3	95.3			1.80
	Methoprene	42.6	47.4	41.9			12.4
	Methoxychlor	69.5	83.0	75.2			9.94
	Metolachlor	89.1	109	113			2.40
	Metribuzin	99.6	107	110			2.75
	Mevinphos	84.3	96.4	90.7			6.04
	MGK-264	49.2	57.9	55.7			3.83
	Mirex	59.2	86.7	68.8			23.0
	Molinate	65.2	64.1	59.4			7.53
	Myclobutanil	107	110	108			1.72

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Naled	37.1	35.9	38.5			7.06
	Napropamide	77.5	70.3	77.9			10.2
	Norflurazon	98.6	95.5	98.3			2.92
	Octinoxate	171	142	104			24.3
	Oxadiazon	86.3	92.1	96.3			4.45
	Oxybenzone	115	128	121			5.41
	Oxychlordane	53.2	47.8	47.4			0.863
	Oxyfluorfen	110	121	114			5.39
	Parathion Ethyl	92.7	109	101			7.43
	Parathion Methyl	96.7	110	111			1.12
	PBB-153	143	149	147			1.21
	PBDE-47	119	97.1	100			3.11
	PBDE-99	117	92.4	96.0			3.82
	PCB-1016	71.3	92.2	104			11.7
	PCB-1260	65.5	83.8	106			23.7
	Pendimethalin	151	172	150			13.4
	Pentabromotoluene	115	123	111			10.2
	Permethrin	60.2	75.7	79.4			4.69
	Phenothrin	79.0	115	107			6.97
	Phenytoin	147	109	94.9			14.1
	Phorate	107	137	113			19.0
	Piperonyl Butoxide	75.7	113	105			7.22
	Prallethrin	52.9	45.2	44.4			1.67
	Prodiamine	78.8	75.3	70.6			6.54
	Prometon	104	95.3	96.1			0.791
	Prometryn	97.2	95.8	109			12.7
	Pronamide	117	118	109			8.00
	Propanil	113	114	116			1.18
	Propargite	95.3	65.4	82.2			22.7
	Propiconazole	78.0	81.9	86.9			5.94
	Pyraflufen Ethyl	61.0	69.9	62.0			12.0
	Pyridaben	85.1	91.9	106			14.4
	Pyriproxyfen	80.1	89.9	94.5			4.97
	Simazine	93.2	111	99.0			11.5
	Stirophos	96.3	76.2	72.1			5.57
	Sulfentrazone	54.8	89.4	101			10.6
	Tau-Fluvalinate	76.3	148	138			6.75
	Tebuconazole	87.2	65.0	76.3			16.0
	Terbufos	107	115	106			8.27
	Terbuthylazine	88.3	91.1	91.1			0.0232
	Tetradecachloro-m-terphenyl	180	180	169			6.41
	Tetramethrin	67.7	83.3	72.4			13.9
	Thiobencarb	114	108	101			6.28
	Trans-Nonachlor	56.2	71.5	45.6			44.3
	Tri-o-cresyl Phosphate	122	134	121			10.0
	Triadimefon	101	117	111			4.66
	Triclosan Methyl	69.8	81.1	69.3			15.7
	Trifluralin	66.4	54.2	56.2			3.71
	Tris(1-chloro-2-propyl) phosphate (TCPP)	99.6	115	90.0			24.5
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	119	125	114			8.99
	Tris(2-chloroethyl) phosphate (TCEP)	116	126	114			9.89

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8276	Chlordane	59.2	47.4	42.8			10.3
	Toxaphene	64.1	58.9	59.9			1.57
EPA 8321B	2,4-D	106	108	100			7.28
	2,4,5-T	94.0	110	91.1			19.1
	3-Hydroxycarbofuran	54.2	68.7	70.1			1.93
	Acesulfame K	135	131	132			0.457
	Acetaminophen	49.1	51.3	49.6			3.29
	Acetamiprid	79.2	86.8	67.5			24.9
	Afidopyropen	62.2	54.5	70.5			25.5
	Aldicarb	40.7	59.6	53.7			10.5
	Aldicarb Sulfone	77.9	86.2	83.5			3.18
	Aldicarb Sulfoxide	93.0	31.8	25.2			23.2
	AMPA	85.7	87.7	90.5			3.15
	Bentazon	110	104	110			5.26
	Benzovindiflupyr	64.4	94.4	85.9			9.51
	Carbamazepine	67.4	85.8	73.3			15.8
	Carbaryl	77.8	69.2	53.9			25.0
	Carbofuran	69.8	62.4	63.4			1.54
	Clothianidin	84.1	91.3	96.8			5.86
	Dinotefuran	86.0	95.1	89.8			5.66
	Diuron	51.7	46.7	74.1			45.4
	Endothall	102	99.0	110			10.3
	Fenuron	72.2	73.4	70.7			3.80
	Fluridone	73.1	73.8	73.5			0.429
	Glufosinate	90.5	78.2	82.3			5.07
	Glyphosate	93.6	80.3	85.9			6.81
	Hydrocodone	86.2	82.8	84.7			2.30
	Ibuprofen	85.3	64.3	79.9			21.7
	Imazapyr	88.9	113	107			5.47
	Imidacloprid	79.6	98.8	126			22.2
	Linuron	82.7	63.6	65.4			2.75
	Mandestrobin	78.8	91.3	87.2			4.60
	MCPP	95.8	112	105			6.42
	Methiocarb	65.1	78.8	91.0			14.4
	Methomyl	76.4	74.8	70.5			5.91
	Naproxen	70.7	75.3	67.2			11.3
	Oxamyl	70.9	76.1	80.3			5.47
	Primidone	77.1	90.0	68.7			26.8
	Propoxur	66.3	64.7	67.8			4.70
	Pyraclostrobin	87.0	89.3	89.7			0.421
	Silvex	96.2	109	97.2			11.1
	Sucralose	110	125	104			16.5
	Thiamethoxam	83.2	98.5	102			3.19
	Tolfenpyrad	60.4	56.0	54.2			3.28
	Triclopyr	93.5	121	96.7			22.2
SM 2320 B-2011	Total Alkalinity	98.9				1.19	
SM 2540 C-2015	TDS	94.2				0.587	
SM 2540 D-2015	TSS	88.8					
SM 4500-F- C-2011	Fluoride	101	102	103			0.492
SM 5310 B-2011	Organic Carbon	96.3	96.3				

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2417262, 2417264
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2417262, 2417264
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2417262, 2417264
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2417262, 2417264
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2417263, 2417265
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2417263, 2417265
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2417263, 2417265
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2417263, 2417265
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2417277
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2417276
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2417277
EPA 8270E	PCBs in water matrices by GC/MS/MS	2417276
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2417276
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2417274
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2417275
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2417262, 2417264
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2417262, 2417264
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2417262, 2417264
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2417262, 2417264
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2417263, 2417265

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	06/14/2023			06/14/2023 15:14	Anna M. Plaviak	2417262
	06/14/2023			06/14/2023 15:15	Anna M. Plaviak	2417264
EPA 180.1 Rev. 2.0	06/14/2023			06/14/2023 12:50	Alexis Price	2417262
	06/14/2023			06/14/2023 12:51	Alexis Price	2417264
EPA 300.0 Rev. 2.1	06/14/2023			06/20/2023 04:12	James L Waggerby	2417262
	06/14/2023			06/20/2023 04:27	James L Waggerby	2417264
EPA 350.1 Rev. 2.0	06/14/2023			06/16/2023 12:43	Khloe J Berg	2417263
	06/14/2023			06/16/2023 12:44	Khloe J Berg	2417265
EPA 351.2 Rev. 2.0	06/14/2023	06/21/2023 10:13	Samantha L Bates	06/22/2023 10:25	Samantha L Bates	2417263
	06/14/2023	06/21/2023 10:13	Samantha L Bates	06/22/2023 10:27	Samantha L Bates	2417265
EPA 353.2 Rev. 2.0	06/14/2023			06/20/2023 08:41	Beverly Y. Sanders	2417263
	06/14/2023			06/23/2023 13:00	Beverly Y. Sanders	2417265
EPA 365.1 Rev. 2.0	06/14/2023	06/16/2023 15:00	Alexis Price	06/19/2023 11:36	Chandler E Cox	2417263
	06/14/2023	06/22/2023 13:08	Alexis Price	06/23/2023 11:13	James L Waggerby	2417265
EPA 8270E	06/14/2023	06/14/2023 11:00	Rasheda Ghaffari	06/16/2023 20:05	Vandana T. Nagar	2417277
	06/14/2023	06/14/2023 11:00	Rasheda Ghaffari	06/16/2023 21:51	Arthur Maknenko	2417277
	06/14/2023	06/16/2023 08:00	Fe-Val Siddell	06/20/2023 20:57	Michael Poppell	2417276
	06/14/2023	06/16/2023 08:00	Fe-Val Siddell	06/20/2023 23:19	Lipi Saha	2417276
EPA 8276	06/14/2023	06/16/2023 08:00	Fe-Val Siddell	06/22/2023 08:18	Lipi Saha	2417276
EPA 8321B	06/14/2023	06/14/2023 14:00	Touraj Touran	06/14/2023 18:50	Touraj Touran	2417275
	06/14/2023	06/14/2023 14:00	Touraj Touran	06/16/2023 10:53	Touraj Touran	2417275
	06/14/2023	06/19/2023 09:00	Hoor Shaik	06/20/2023 14:51	Juyoung Kim	2417275
	06/14/2023	06/20/2023 08:30	Hoor Shaik	06/21/2023 00:16	Juyoung Kim	2417274
SM 2320 B-2011	06/14/2023			06/21/2023 03:07	Dale L. Simmons	2417262
	06/14/2023			06/21/2023 03:16	Dale L. Simmons	2417264
SM 2540 C-2015	06/14/2023			06/15/2023 16:20	Dana G. Hughes	2417262, 2417264
SM 2540 D-2015	06/14/2023			06/15/2023 16:20	Dana G. Hughes	2417262, 2417264
SM 4500-F- C-2011	06/14/2023			06/21/2023 03:07	Dale L. Simmons	2417262
	06/14/2023			06/21/2023 03:16	Dale L. Simmons	2417264
SM 5310 B-2011	06/14/2023			06/20/2023 01:45	Elise M. Gillis	2417263
	06/14/2023			06/20/2023 02:02	Elise M. Gillis	2417265