

Chemical Analysis Report

NE-DIST-2023-01-11-01

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

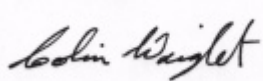
Event Description: **Di water check-NE ROC**
Request ID: **RQ-2023-01-09-45**
Customer: **NE-DIST**
Project ID: **DISCRTNARY**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Jacksonville, FL 32256-7577
Attn: Jeremy Parrish

For additional information please contact
Colin Wright, Ph.D.
Liang-Tsair Lin, Ph.D.
Kerry Tate, Ph.D.
Dr. rer. nat. Bettina Steinbock
Thekkekalathil Chandrasekhar, Ph.D, QA Officer
Phone (850) 245-8085

Certified by: Colin Wright, Program Administrator

Date Certified: 03-FEB-2023 11:39



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: Metals, 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: NEROC DI Water Source

Collection Date/Time: 01/10/2023 13:15

Field ID: DIWATERNEROC

Matrix: DI-WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2379971	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P424429	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P424626	
		Sulfate	0.20	U	mg SO4/L	P424629	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P424760	
	SM 2540 C-2015	TDS	15	U	mg/L	P424910	
	SM 2540 D-2015	TSS	2	U	mg/L	P424819	
2379972	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P424764	RPD
	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P424566	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P425193	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P424733	MS
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P424592	
2379973	SM 5310 B-2011	Organic Carbon	0.87	I	mg C/L	P424574	
	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.004	U	mg P/L	P424431	
2379989	EPA 8321B	Aldicarb	0.020	U	ug/L	P424577	
		Aldicarb Sulfone	0.0020	U	ug/L	P424577	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P424577	MS
		Carbaryl	0.0020	U	ug/L	P424577	
		Carbofuran	0.0020	U	ug/L	P424577	MS
		3-Hydroxycarbofuran	0.0020	U	ug/L	P424577	
		Methiocarb	0.0020	U	ug/L	P424577	
		Methomyl	0.0020	U	ug/L	P424577	
		Oxamyl	0.0020	U	ug/L	P424577	
		Propoxur	0.0020	U	ug/L	P424577	MS
2379990		Acesulfame K	0.10	UQ	ug/L	P424336	
		2,4-D	0.0020	U	ug/L	P424452	
		AMPA	0.10	U	ug/L	P424336	
		2,4,5-T	0.0040	U	ug/L	P424452	
		Sucralose	0.010	U	ug/L	P424336	
		Acetaminophen	0.0080	U	ug/L	P424452	
		Endothall	0.25	U	ug/L	P424336	
		Acetamiprid	0.0020	U	ug/L	P424452	
		Glufosinate	0.10	U	ug/L	P424336	
		Glyphosate	0.10	U	ug/L	P424336	
		Afidopyropen	0.0020	U	ug/L	P424452	
		Bentazon	8.0E-04	U	ug/L	P424452	
		Benzovindiflupyr	0.0020	U	ug/L	P424452	
		Carbamazepine	8.0E-04	U	ug/L	P424452	
		Clothianidin	0.0020	U	ug/L	P424452	
		Dinotefuran	0.0020	U	ug/L	P424452	
		Diuron	0.0020	U	ug/L	P424452	
		Fenuron	0.032	U	ug/L	P424452	
		Fluridone	8.0E-04	U	ug/L	P424452	
		Imazapyr	0.0040	U	ug/L	P424452	

Field ID: DIWATERNEROC

Matrix: DI-WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2379990	EPA 8321B	Hydrocodone	0.0020	U	ug/L	P424452	MS
		Ibuprofen	0.080	U	ug/L	P424452	
		Imidacloprid	0.0020	U	ug/L	P424452	
		Linuron	0.0040	U	ug/L	P424452	
		Mandestrobin	0.0020	U	ug/L	P424452	
		MCP	0.0020	U	ug/L	P424452	
		Naproxen	0.0080	U	ug/L	P424452	
		Primidone	0.0040	U	ug/L	P424452	
		Pyraclostrobin	0.0020	U	ug/L	P424452	
		Silvex	0.0040	U	ug/L	P424452	
		Thiamethoxam	0.0020	U	ug/L	P424452	
		Tolfenpyrad	0.0020	U	ug/L	P424452	
		Triclopyr	0.0040	U	ug/L	P424452	
2379991	EPA 8270E	Aldrin	0.68	U	ng/L	P424460	MS
		Alpha-BHC	0.10	U	ng/L	P424460	
		Alpha-Chlordane	0.21	U	ng/L	P424460	
		Beta-BHC	0.10	U	ng/L	P424460	
		Beta-Cyfluthrin	1.3	U	ng/L	P424460	
		Bifenthrin	0.52	U	ng/L	P424460	
		Chlorothalonil	3.8	U	ng/L	P424460	
		Cis-Nonachlor	0.21	U	ng/L	P424460	
		Cypermethrin	1.6	U	ng/L	P424460	
		Dacthal	0.16	U	ng/L	P424460	
		DDD-p,p'	0.26	U	ng/L	P424460	
		DDE-p,p'	0.21	U	ng/L	P424460	
		DDT-p,p'	0.26	U	ng/L	P424460	
		Delta-BHC	0.42	U	ng/L	P424460	
		Deltamethrin	1.3	U	ng/L	P424460	MS
		Dichlobenil	0.26	U	ng/L	P424460	
		Dicofol	1.3	U	ng/L	P424460	
		Dieldrin	0.42	U	ng/L	P424460	
		Endosulfan I	0.42	U	ng/L	P424460	
		Endosulfan II	0.42	U	ng/L	P424460	
		Endosulfan Sulfate	0.31	U	ng/L	P424460	
		Endrin	0.42	U	ng/L	P424460	
		Endrin Aldehyde	0.78	U	ng/L	P424460	
		Endrin Ketone	0.42	U	ng/L	P424460	
		Esfenvalerate	0.78	U	ng/L	P424460	
		Ethalfuralin	0.16	U	ng/L	P424460	
		Fenpropathrin	0.26	U	ng/L	P424460	
		Gamma-BHC	0.13	U	ng/L	P424460	
		Gamma-Chlordane	0.21	U	ng/L	P424460	
		Heptachlor	0.21	U	ng/L	P424460	
		Heptachlor Epoxide	0.26	U	ng/L	P424460	
		Hexachlorobenzene**	1.0	U	ng/L	P424460	

Field ID: DIWATERNEROC

Matrix: DI-WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2379991	EPA 8270E	Kepone	5.2	UJ	ng/L	P424460	CCV
		Lambda-Cyhalothrin	0.78	U	ng/L	P424460	
		Methoprene	0.78	U	ng/L	P424460	
		Methoxychlor	0.31	U	ng/L	P424460	
		MGK-264	0.21	U	ng/L	P424460	MS
		Mirex	0.36	U	ng/L	P424460	
		Oxychlordane	0.31	U	ng/L	P424460	
		Permethrin	1.7	U	ng/L	P424460	
		Phenothrin	0.94	U	ng/L	P424460	
		Piperonyl Butoxide	0.16	U	ng/L	P424460	
		Prallethrin	2.1	U	ng/L	P424460	MS
		Tau-Fluvalinate	0.26	U	ng/L	P424460	
		Tetramethrin	0.78	U	ng/L	P424460	
		Trans-Nonachlor	0.21	U	ng/L	P424460	
		Triclosan Methyl	0.16	U	ng/L	P424460	
		Trifluralin	0.21	U	ng/L	P424460	
	EPA 8276	Chlordane	2.1	U	ng/L	P424460	
		Toxaphene	16	U	ng/L	P424460	MS
2379992	EPA 8270E	Oxybenzone**	9.6	U	ng/L	P424368	
		Acetochlor	0.24	U	ng/L	P424368	
		Octinoxate**	19	U	ng/L	P424368	
		Alachlor	0.24	U	ng/L	P424368	
		Avobenzone**	96	U	ng/L	P424368	
		Ametryn	0.58	U	ng/L	P424368	
		Atrazine	0.24	U	ng/L	P424368	
		PBDE-47**	3.9	U	ng/L	P424368	
		Atrazine Desethyl	1.4	U	ng/L	P424368	
		PBDE-99**	4.8	U	ng/L	P424368	
		Azinphos Methyl	1.9	U	ng/L	P424368	
		Tri-o-cresyl Phosphate**	5.8	U	ng/L	P424368	
		Azoxystrobin	0.48	U	ng/L	P424368	
		Bromacil	0.48	U	ng/L	P424368	
		2-Ethylhexyl	12	U	ng/L	P424368	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.39	U	ng/L	P424368	
		Dechlorane Plus**	29	U	ng/L	P424368	
		Caffeine**	7.2	U	ng/L	P424368	
		Carbophenothion	0.19	U	ng/L	P424368	
		Carfentrazone Ethyl	0.096	U	ng/L	P424368	
		Chlorfenapyr	0.17	U	ng/L	P424368	
		Chlorpyrifos Ethyl	0.24	U	ng/L	P424368	
		Chlorpyrifos Methyl	0.048	U	ng/L	P424368	
		Coumaphos	0.48	U	ng/L	P424368	
		Cyanazine	3.1	U	ng/L	P424368	MS
		Cyprodinil	0.096	U	ng/L	P424368	

Field ID: DIWATERNEROC

Matrix: DI-WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2379992	EPA 8270E	Demeton	1.4	U	ng/L	P424368	
		Diazinon	0.12	U	ng/L	P424368	
		Difenoconazole	0.58	U	ng/L	P424368	
		Dimethenamid	0.096	U	ng/L	P424368	
		Dimethomorph	0.17	U	ng/L	P424368	
		Disulfoton	0.48	U	ng/L	P424368	
		Dithiopyr	0.60	U	ng/L	P424368	
		EPTC	1.2	U	ng/L	P424368	
		Ethion	0.14	U	ng/L	P424368	
		Ethoprop	0.096	U	ng/L	P424368	
		Etridiazole	0.14	U	ng/L	P424368	
		Fenamiphos	0.48	U	ng/L	P424368	
		Fenbuconazole	0.12	U	ng/L	P424368	
		Fipronil	0.24	U	ng/L	P424368	
		Fipronil Desulfinyl**	0.12	U	ng/L	P424368	
		Fipronil Sulfide	0.14	U	ng/L	P424368	
		Fipronil Sulfone	0.14	U	ng/L	P424368	
		Fluazifop-P-butyl	0.096	U	ng/L	P424368	
		Fludioxonil	0.12	U	ng/L	P424368	
		Flumioxazin	4.3	U	ng/L	P424368	
		Flutolanil	0.096	U	ng/L	P424368	
		Fluxapyroxad	0.096	U	ng/L	P424368	
		Fonofos	0.19	U	ng/L	P424368	
		Hexazinone	0.48	U	ng/L	P424368	
		Imazalil	0.72	U	ng/L	P424368	
		Iprodione	0.58	U	ng/L	P424368	MS
		Loratadine**	0.34	U	ng/L	P424368	
		Malathion	0.34	U	ng/L	P424368	
		Metalaxyl	0.72	U	ng/L	P424368	
		Metolachlor	0.34	U	ng/L	P424368	
		Metribuzin	1.4	U	ng/L	P424368	
		Mevinphos	1.0	U	ng/L	P424368	
		Molinate	0.29	U	ng/L	P424368	
		Myclobutanil	0.24	U	ng/L	P424368	
		Naled	1.4	U	ng/L	P424368	
		Napropamide	0.39	U	ng/L	P424368	
		Norflurazon	0.48	U	ng/L	P424368	
		Oxadiazon	0.29	U	ng/L	P424368	
		Oxyfluorfen	0.14	U	ng/L	P424368	
		Parathion Ethyl	0.24	U	ng/L	P424368	
		Parathion Methyl	0.53	U	ng/L	P424368	MS
		Pendimethalin	0.96	U	ng/L	P424368	
		Phenytain**	3.4	U	ng/L	P424368	
		Phorate	0.51	UJ	ng/L	P424368	LCS, MS
		Prodiamine	0.17	U	ng/L	P424368	

Field ID: DIWATERNEROC

Matrix: DI-WATER

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2379992	EPA 8270E	Prometon	0.87	U	ng/L	P424368	
		Prometryn	0.19	U	ng/L	P424368	
		Pronamide	0.14	U	ng/L	P424368	
		Propanil	0.12	U	ng/L	P424368	
		Propargite	1.4	U	ng/L	P424368	
		Propiconazole	0.48	U	ng/L	P424368	
		Pyraflufen Ethyl	0.24	U	ng/L	P424368	
		Pyridaben	0.43	U	ng/L	P424368	
		Pyriproxyfen	0.12	U	ng/L	P424368	
		Simazine	0.48	U	ng/L	P424368	
		Stirophos	0.12	U	ng/L	P424368	
		Sulfentrazone	0.48	U	ng/L	P424368	
		Tebuconazole	0.48	U	ng/L	P424368	
		Terbufos	0.096	U	ng/L	P424368	MS
		Terbutylazine	0.41	U	ng/L	P424368	
		Thiobencarb	0.58	U	ng/L	P424368	
2379993	EPA 200.7 Rev. 4.4	Triadimefon	0.24	U	ng/L	P424368	
		Barium	1.0	U	ug/L	P424492	
		Calcium	0.075	U	mg/L	P424492	
		Iron	30	U	ug/L	P424492	
		Magnesium	0.040	U	mg/L	P424492	
		Potassium	0.30	U	mg/L	P424492	
		Sodium	0.50	U	mg/L	P424492	
		Zinc	5.0	U	ug/L	P424492	
	EPA 200.8 Rev. 5.4	Aluminum	5.0	U	ug/L	P424492	
		Antimony	0.050	U	ug/L	P424492	
		Arsenic	0.050	U	ug/L	P424492	
		Boron	2.0	U	ug/L	P424492	
		Cadmium	0.020	U	ug/L	P424492	
		Chromium	0.40	U	ug/L	P424492	
		Copper	0.40	U	ug/L	P424492	
		Lead	0.20	U	ug/L	P424492	
		Nickel	0.50	U	ug/L	P424492	
		Selenium	0.20	U	ug/L	P424492	
		Silver	0.010	U	ug/L	P424492	
		Thallium	0.10	U	ug/L	P424492	

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: The result was confirmed on 01/19/2023.

EPA 8321B: Acesulfame K analyzed beyond holding time due to technical difficulties.

EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

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

EPA 8270E: MS accuracy for ametryn, atrazine, and hexazinone 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.

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P424429

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P424492

Component	Result	Code	Units
Barium	1.0	U	ug/L
Calcium	0.075	U	mg/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Potassium	0.30	U	mg/L
Sodium	0.50	U	mg/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P424492

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Boron	2.0	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.40	U	ug/L
Copper	0.40	U	ug/L
Lead	0.20	U	ug/L
Nickel	0.50	U	ug/L
Selenium	0.20	U	ug/L
Silver	0.010	U	ug/L
Thallium	0.10	U	ug/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424626

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424629

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424566

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425193

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P424733

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424592

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P424431

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

Reference Method: EPA 8270E
Batch ID: P424368

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	0.25	U	ng/L
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P424368

Component	Result	Code	Units
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	1.5	U	ng/L
Demeton	1.5	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	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.62	U	ng/L
Dithiopyr	0.62	U	ng/L
EPTC	1.2	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Ethoprop	0.10	U	ng/L
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.12	U	ng/L
Fludioxonil	0.12	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P424368

Component	Result	Code	Units
Flumioxazin	4.5	U	ng/L
Flumioxazin	4.5	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fonofos	0.20	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.75	U	ng/L
Imazalil	0.75	U	ng/L
Iprodione	0.60	U	ng/L
Iprodione	0.60	U	ng/L
Loratadine	0.35	U	ng/L
Loratadine	0.35	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metaxyl	0.75	U	ng/L
Metaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	1.5	U	ng/L
Metribuzin	1.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.30	U	ng/L
Molinate	0.30	U	ng/L
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Napropamide	0.40	U	ng/L
Napropamide	0.40	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.55	U	ng/L
Parathion Methyl	0.55	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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P424368

Component	Result	Code	Units
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytol	3.5	U	ng/L
Phenytol	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiatone	0.18	U	ng/L
Prodiatone	0.18	U	ng/L
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Prometryn	0.20	U	ng/L
Pronatone	0.15	U	ng/L
Pronatone	0.15	U	ng/L
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbutylazine	0.42	U	ng/L
Terbutylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: EPA 8270E

Batch ID: P424460

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: P424460

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
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E
Batch ID: P424460

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
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276
Batch ID: P424460

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B

Batch ID: P424336

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: P424452

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: EPA 8321B

Batch ID: P424577

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8321B
Batch ID: P424577

Component	Result	Code	Units
Propoxur	0.0020	U	ug/L

Reference Method: SM 2320 B-2011
Batch ID: P424760

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

Reference Method: SM 2540 C-2015
Batch ID: P424910

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P424819

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P424764

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P424574

Component	Result	Code	Units
Organic Carbon	0.50	U	mg C/L

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P424429

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P424492

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Barium	98.9		P	85 - 115
Calcium	100		P	85 - 115
Iron	101		P	85 - 115
Magnesium	98.7		P	85 - 115
Potassium	98.8		P	85 - 115
Sodium	99.3		P	85 - 115
Zinc	98.5		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P424492

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	101		P	85 - 115
Antimony	107		P	85 - 115
Arsenic	103		P	85 - 115
Boron	106		P	85 - 115
Cadmium	106		P	85 - 115
Chromium	95.3		P	85 - 115
Copper	97.2		P	85 - 115
Lead	98.2		P	85 - 115
Nickel	99.4		P	85 - 115
Selenium	95.3		P	85 - 115
Silver	102		P	85 - 115
Thallium	101		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424626

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424629

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424566

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P425193

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

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P424733

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

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P424592

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P424431

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

Reference Method: EPA 8270E

Batch ID: P424368

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	105		P	42 - 162
Acetochlor	79.3		P	69 - 123
Alachlor	70.9		P	65 - 118
Ametryn	109		P	58 - 141
Atrazine	88.1		P	73 - 118
Atrazine Desethyl	52.3		P	32 - 125
Avobenzone	134		P	40 - 203
Azinphos Methyl	122		P	36 - 197
Azoxystrobin	98.4		P	58 - 226
Bromacil	79.3		P	48 - 120
Butylate	56.5		P	27 - 85.0
Caffeine	99.7		P	40 - 137
Carbophenothion	98.7		P	54 - 132
Carfentrazone Ethyl	82.7		P	60 - 142
Chlorfenapyr	63.8		P	53 - 117
Chlorpyrifos Ethyl	86.0		P	59 - 116
Chlorpyrifos Methyl	91.5		P	66 - 119
Coumaphos	140		P	11 - 234
Cyanazine	245		P	61 - 248
Cyprodinil	107		P	50 - 147
Dechlorane Plus	121		P	47 - 182
Demeton	102		P	30 - 138
Diazinon	84.2		P	67 - 126
Difenoconazole	138		P	38 - 205
Dimethenamid	95.0		P	57 - 111
Dimethomorph	117		P	16 - 212
Disulfoton	83.5		P	46 - 126
Dithiopyr	70.1		P	62 - 115

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P424368

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
EPTC	54.2		P	28 - 80.0
Ethion	68.4		P	24 - 122
Ethoprop	97.4		P	62 - 113
Etridiazole	48.4		P	28 - 92.0
Fenamiphos	90.1		P	57 - 128
Fenbuconazole	136		P	52 - 155
Fipronil	69.0		P	63 - 130
Fipronil Desulfinyl	64.9		P	61 - 130
Fipronil Sulfide	91.1		P	56 - 117
Fipronil Sulfone	116		P	52 - 118
Fluazifop-P-butyl	93.4		P	61 - 128
Fludioxonil	81.2		P	59 - 129
Flumioxazin	72.5		P	30 - 250
Flutolanil	78.7		P	53 - 127
Fluxapyroxad	119		P	42 - 132
Fonofos	87.2		P	61 - 110
Hexazinone	94.0		P	46 - 139
Imazalil	101		P	40 - 139
Iprodione	126		P	40 - 146
Loratadine	95.6		P	10 - 224
Malathion	99.1		P	61 - 135
Metalaxyl	96.0		P	58 - 121
Metolachlor	79.3		P	64 - 118
Metribuzin	88.7		P	45 - 245
Mevinphos	95.3		P	49 - 118
Molinate	75.3		P	42 - 92.0
Myclobutanil	84.4		P	55 - 127
Naled	99.5		P	10 - 114
Napropamide	56.8		P	39 - 121
Norflurazon	93.4		P	55 - 129
Octinoxate	98.3		P	26 - 166
Oxadiazon	91.4		P	54 - 115
Oxybenzone	95.6		P	49 - 135
Oxyfluorfen	80.0		P	64 - 139
Parathion Ethyl	95.5		P	70 - 111
Parathion Methyl	131		P	76 - 136
PBDE-47	104		P	41 - 148
PBDE-99	105		P	38 - 147
Pendimethalin	76.1		P	52 - 118
Phenytol	44.4		P	10 - 162
Phorate	132		F	40 - 122
Prodiamine	75.1		P	26 - 141
Prometon	96.8		P	54 - 122
Prometryn	98.6		P	61 - 128
Pronamide	74.1		P	72 - 121
Propanil	95.4		P	45 - 144
Propargite	82.4		P	10 - 199
Propiconazole	83.4		P	56 - 127
Pyraflufen Ethyl	84.1		P	56 - 140
Pyridaben	101		P	26 - 211
Pyriproxyfen	93.8		P	33 - 194
Simazine	91.6		P	67 - 121

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P424368

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Stiropfos	97.2		P	20 - 142
Sulfentrazone	93.1		P	21 - 144
Tebuconazole	86.3		P	10 - 122
Terbufos	97.2		P	60 - 129
Terbuthylazine	88.9		P	69 - 113
Thiobencarb	111		P	51 - 120
Tri-o-cresyl Phosphate	105		P	49 - 150
Triadimefon	68.1		P	56 - 114

Reference Method: EPA 8270E
Batch ID: P424460

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	65.4		P	10 - 92.0
Alpha-BHC	97.9		P	75 - 107
Alpha-Chlordane	88.7		P	50 - 108
Beta-BHC	130		P	36 - 138
Beta-Cyfluthrin	92.0		P	20 - 161
Bifenthrin	63.3		P	10 - 119
Chlorothalonil	114		P	26 - 186
Cis-Nonachlor	75.5		P	42 - 119
Cypermethrin	85.2		P	22 - 150
Dacthal	92.5		P	72 - 119
DDD-p,p'	100		P	45 - 107
DDE-p,p'	91.3		P	48 - 106
DDT-p,p'	80.5		P	48 - 110
Delta-BHC	122		P	54 - 140
Deltamethrin	95.8		P	22 - 189
Dichlobenil	98.6		P	36 - 117
Dicofol	84.1		P	46 - 155
Dieldrin	95.1		P	54 - 110
Endosulfan I	83.9		P	59 - 105
Endosulfan II	96.6		P	51 - 118
Endosulfan Sulfate	119		P	57 - 121
Endrin	95.7		P	10 - 120
Endrin Aldehyde	89.6		P	34 - 118
Endrin Ketone	102		P	69 - 177
Esfenvalerate	83.5		P	23 - 168
Ethalfuralin	81.8		P	49 - 99.0
Fenpropathrin	84.5		P	34 - 117
Gamma-BHC	99.7		P	72 - 117
Gamma-Chlordane	79.8		P	43 - 106
Heptachlor	73.7		P	41 - 98.0
Heptachlor Epoxide	82.7		P	57 - 106
Hexachlorobenzene	74.4		P	36 - 99.0
Kepone	157		P	16 - 215
Lambda-Cyhalothrin	80.2		P	21 - 177
Methoprene	80.6		P	10 - 119
Methoxychlor	99.8		P	60 - 112
MGK-264	108		P	26 - 122
Mirex	76.1		P	10 - 169
Oxychlordane	81.0		P	43 - 105

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P424460

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Permethrin	93.4		P	24 - 148
Phenothrin	87.2		P	10 - 106
Piperonyl Butoxide	122		P	10 - 139
Prallethrin	109		P	17 - 109
Tau-Fluvalinate	79.3		P	13 - 131
Tetramethrin	118		P	10 - 132
Trans-Nonachlor	73.6		P	44 - 106
Triclosan Methyl	80.3		P	59 - 109
Trifluralin	82.2		P	44 - 101

Reference Method: EPA 8276
Batch ID: P424460

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	98.6		P	53 - 126
Toxaphene	113		P	56 - 211

Reference Method: EPA 8321B
Batch ID: P424336

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	103		P	40 - 150
AMPA	107		P	40 - 150
Endothall	123		P	40 - 150
Glufosinate	126		P	40 - 150
Glyphosate	105		P	40 - 150
Sucralose	107		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P424452

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	105		P	40 - 150
2,4,5-T	84.4		P	40 - 150
Acetaminophen	88.7		P	30 - 150
Acetamiprid	98.6		P	40 - 150
Afidopyropen	73.3		P	30 - 150
Bentazon	85.6		P	30 - 150
Benzovindiflupyr	92.3		P	40 - 150
Carbamazepine	83.0		P	40 - 150
Clothianidin	98.6		P	40 - 150
Dinotefuran	98.0		P	40 - 150
Diuron	89.9		P	40 - 150
Fenuron	108		P	40 - 150
Fluridone	98.1		P	40 - 150
Hydrocodone	94.3		P	40 - 150
Ibuprofen	108		P	40 - 150
Imazapyr	93.9		P	40 - 150
Imidacloprid	103		P	40 - 150
Linuron	74.5		P	40 - 150
Mandestrobin	107		P	40 - 150
MCPP	105		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P424452

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Naproxen	86.8		P	40 - 150
Primidone	95.2		P	40 - 150
Pyraclostrobin	70.5		P	40 - 150
Silvex	82.8		P	40 - 150
Thiamethoxam	96.9		P	40 - 150
Tolfenpyrad	33.5		P	30 - 150
Triclopyr	84.6		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P424577

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	83.2		P	40 - 150
Aldicarb	66.4		P	30 - 150
Aldicarb Sulfone	94.8		P	40 - 150
Aldicarb Sulfoxide	97.9		P	40 - 150
Carbaryl	70.0		P	40 - 150
Carbofuran	69.0		P	40 - 150
Methiocarb	63.0		P	40 - 150
Methomyl	95.0		P	40 - 150
Oxamyl	97.1		P	40 - 150
Propoxur	67.5		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P424760

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	94.7		P	94 - 106

Reference Method: SM 2540 C-2015
Batch ID: P424910

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

Reference Method: SM 2540 D-2015
Batch ID: P424819

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	98.1		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P424764

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	102		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P424574

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.8		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P424492

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379701	Barium	99.5	98.8	P/P	80 - 120
2379701	Calcium	97.2		P	80 - 120
2379701	Iron	101	100	P/P	80 - 120
2379701	Magnesium	97.0		P	80 - 120
2379701	Potassium	95.4		P	80 - 120
2379701	Sodium	96.9		P	80 - 120
2379701	Zinc	102	101	P/P	80 - 120
2380052	Barium	98.8		P	80 - 120
2380052	Calcium	99.6		P	80 - 120
2380052	Iron	101		P	80 - 120
2380052	Magnesium	98.5		P	80 - 120
2380052	Potassium	97.2		P	80 - 120
2380052	Sodium	99.3		P	80 - 120
2380052	Zinc	102		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P424492

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379701	Aluminum	97.5	96.8	P/P	80 - 120
2379701	Antimony	107	107	P/P	80 - 120
2379701	Arsenic	106	106	P/P	80 - 120
2379701	Boron	96.6	96.6	P/P	80 - 120
2379701	Cadmium	107	105	P/P	80 - 120
2379701	Chromium	96.5	96.2	P/P	80 - 120
2379701	Copper	96.1	96.2	P/P	80 - 120
2379701	Lead	98.7	97.0	P/P	80 - 120
2379701	Nickel	98.6	98.6	P/P	80 - 120
2379701	Selenium	95.1	95.7	P/P	80 - 120
2379701	Silver	99.9	98.7	P/P	80 - 120
2379701	Thallium	106	104	P/P	80 - 120
2380052	Aluminum	91.4		P	80 - 120
2380052	Antimony	107		P	80 - 120
2380052	Arsenic	106		P	80 - 120
2380052	Boron	101		P	80 - 120
2380052	Cadmium	108		P	80 - 120
2380052	Chromium	97.0		P	80 - 120
2380052	Copper	96.7		P	80 - 120
2380052	Lead	98.3		P	80 - 120
2380052	Nickel	96.2		P	80 - 120
2380052	Selenium	97.9		P	80 - 120
2380052	Silver	99.7		P	80 - 120
2380052	Thallium	104		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P424626

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379955	Chloride	101		P	90 - 110
2380019	Chloride	99.9		P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P424629

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379955	Sulfate	101		P	90 - 110
2380019	Sulfate	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P424566

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379831	Ammonia-N	97.0	97.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P425193

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2381650	Kjeldahl Nitrogen	92.4	97.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P424733

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379999	NO2NO3-N	89.5	100	F/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P424592

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379960	Total-P	106	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P424431

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2380173	O-Phosphate-P	95.2	97.2	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P424368

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379192	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	95.6	100	P/P	26 - 165
2379192	Acetochlor	71.6	85.5	P/P	67 - 124
2379192	Alachlor	68.3	83.7	P/P	60 - 120
2379192	Atrazine Desethyl	56.6	61.7	P/P	15 - 122
2379192	Avobenzene	113	114	P/P	37 - 178
2379192	Azinphos Methyl	126	123	P/P	40 - 292
2379192	Azoxystrobin	105	111	P/P	35 - 220
2379192	Bromacil	85.0	80.4	P/P	45 - 127
2379192	Butylate	55.8	52.0	P/P	20 - 83.0
2379192	Caffeine	99.3	95.7	P/P	10 - 194
2379192	Carbophenothion	108	108	P/P	57 - 127
2379192	Carfentrazone Ethyl	82.0	81.0	P/P	51 - 141
2379192	Chlorfenapyr	70.9	71.8	P/P	46 - 111
2379192	Chlorpyrifos Ethyl	72.8	79.7	P/P	52 - 120
2379192	Chlorpyrifos Methyl	89.0	108	P/P	63 - 119

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P424368

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379192	Coumaphos	155	139	P/P	10 - 228
2379192	Cyanazine	260	232	F/P	59 - 241
2379192	Cyprodinil	113	133	P/P	47 - 146
2379192	Dechlorane Plus	79.1	74.8	P/P	50 - 150
2379192	Demeton	129	124	P/P	40 - 136
2379192	Diazinon	84.1	102	P/P	69 - 132
2379192	Difenoconazole	176	142	P/P	57 - 258
2379192	Dimethenamid	96.8	92.6	P/P	54 - 110
2379192	Dimethomorph	116	146	P/P	28 - 210
2379192	Disulfoton	88.5	96.4	P/P	43 - 133
2379192	Dithiopyr	70.4	83.8	P/P	39 - 116
2379192	EPTC	50.0	48.2	P/P	20 - 78.0
2379192	Ethion	71.2	69.3	P/P	17 - 119
2379192	Ethoprop	110	117	P/P	66 - 120
2379192	Etridiazole	49.2	36.0	P/P	28 - 96.0
2379192	Fenamiphos	87.9	97.7	P/P	41 - 126
2379192	Fenbuconazole	148	128	P/P	42 - 169
2379192	Fipronil	79.0	87.4	P/P	61 - 132
2379192	Fipronil Desulfinyl	63.1	88.0	P/P	56 - 132
2379192	Fipronil Sulfide	116	109	P/P	48 - 119
2379192	Fipronil Sulfone	117	108	P/P	42 - 131
2379192	Fluazifop-P-butyl	107	102	P/P	53 - 131
2379192	Fludioxonil	93.0	97.2	P/P	56 - 127
2379192	Flumioxazin	97.5	108	P/P	19 - 300
2379192	Flutolanil	85.2	92.3	P/P	41 - 127
2379192	Fluxapyroxad	137	162	P/P	42 - 172
2379192	Fonofos	89.4	109	P/P	59 - 113
2379192	Imazalil	152	118	P/P	21 - 283
2379192	Iprodione	148	172	P/F	43 - 150
2379192	Loratadine	106	111	P/P	23 - 201
2379192	Malathion	98.8	97.0	P/P	58 - 136
2379192	Metalaxyl	94.7	97.5	P/P	55 - 120
2379192	Metolachlor	81.6	79.6	P/P	57 - 121
2379192	Metribuzin	102	109	P/P	58 - 294
2379192	Mevinphos	112	119	P/P	50 - 126
2379192	Molinate	86.3	75.3	P/P	42 - 93.0
2379192	Myclobutanil	96.2	101	P/P	55 - 125
2379192	Naled	105	126	P/P	18 - 200
2379192	Napropamide	64.3	73.1	P/P	39 - 110
2379192	Norflurazon	114	121	P/P	48 - 128
2379192	Octinoxate	77.7	84.3	P/P	21 - 159
2379192	Oxadiazon	93.5	87.8	P/P	43 - 112
2379192	Oxybenzone	76.8	87.1	P/P	41 - 142
2379192	Oxyfluorfen	94.3	108	P/P	64 - 153
2379192	Parathion Ethyl	100	113	P/P	69 - 114
2379192	Parathion Methyl	150	154	F/F	79 - 139
2379192	PBDE-47	83.2	88.8	P/P	27 - 144
2379192	PBDE-99	85.0	89.6	P/P	18 - 150
2379192	Pendimethalin	101	118	P/P	50 - 139
2379192	Phenytoin	45.1	43.2	P/P	10 - 146
2379192	Phorate	162	136	F/P	54 - 161
2379192	Prodiamine	91.4	85.1	P/P	30 - 161

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P424368

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379192	Prometon	109	133	P/P	45 - 134
2379192	Prometryn	110	133	P/P	45 - 137
2379192	Pronamide	81.2	87.4	P/P	65 - 133
2379192	Propanil	98.5	89.1	P/P	49 - 142
2379192	Propargite	79.1	89.8	P/P	10 - 203
2379192	Propiconazole	113	119	P/P	38 - 146
2379192	Pyraflufen Ethyl	78.5	98.3	P/P	34 - 153
2379192	Pyridaben	99.9	107	P/P	12 - 192
2379192	Pyriproxyfen	86.5	100	P/P	33 - 180
2379192	Simazine	112	104	P/P	51 - 157
2379192	Stirophos	98.8	99.7	P/P	10 - 128
2379192	Sulfentrazone	151	112	P/P	53 - 186
2379192	Tebuconazole	86.2	95.0	P/P	10 - 133
2379192	Terbufos	115	142	P/F	65 - 139
2379192	Terbuthylazine	96.5	104	P/P	66 - 117
2379192	Thiobencarb	117	98.4	P/P	51 - 119
2379192	Tri-o-cresyl Phosphate	82.9	90.4	P/P	31 - 144
2379192	Triadimefon	57.7	59.0	P/P	48 - 119

Reference Method: EPA 8270E

Batch ID: P424460

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2380065	Aldrin	66.9	59.5	P/P	20 - 82.0
2380065	Alpha-BHC	96.4	104	P/P	71 - 109
2380065	Alpha-Chlordane	110	103	F/P	42 - 106
2380065	Beta-BHC	133	143	P/P	69 - 180
2380065	Beta-Cyfluthrin	104	90.6	P/P	18 - 175
2380065	Bifenthrin	71.8	67.1	P/P	21 - 128
2380065	Chlorothalonil	137	138	P/P	10 - 300
2380065	Cis-Nonachlor	78.7	76.9	P/P	34 - 106
2380065	Cypermethrin	93.2	83.0	P/P	22 - 158
2380065	Dacthal	103	94.5	P/P	54 - 116
2380065	DDD-p,p'	102	99.9	P/P	34 - 107
2380065	DDE-p,p'	105	97.2	P/P	33 - 110
2380065	DDT-p,p'	77.8	75.9	P/P	50 - 122
2380065	Delta-BHC	135	138	P/P	77 - 193
2380065	Deltamethrin	107	104	P/P	10 - 195
2380065	Dichlobenil	64.3	65.9	P/P	25 - 113
2380065	Dicofol	80.7	87.8	P/P	38 - 247
2380065	Dieldrin	106	103	P/P	45 - 118
2380065	Endosulfan I	94.3	86.0	P/P	51 - 106
2380065	Endosulfan II	97.6	90.3	P/P	37 - 122
2380065	Endosulfan Sulfate	109	118	P/P	43 - 132
2380065	Endrin	106	104	F/F	29 - 101
2380065	Endrin Aldehyde	89.1	83.0	P/P	19 - 110
2380065	Endrin Ketone	97.4	107	P/P	60 - 140
2380065	Esfenvalerate	110	108	P/P	26 - 199
2380065	Ethalfuralin	77.2	76.1	P/P	45 - 99.0
2380065	Fenpropathrin	78.9	77.2	P/P	35 - 120
2380065	Gamma-BHC	93.2	94.4	P/P	63 - 128
2380065	Gamma-Chlordane	97.0	86.7	P/P	40 - 104

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P424460

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2380065	Heptachlor	73.6	73.5	P/P	36 - 97.0
2380065	Heptachlor Epoxide	88.9	82.1	P/P	49 - 184
2380065	Hexachlorobenzene	73.0	71.0	P/P	39 - 96.0
2380065	Kepone	174	175	P/P	10 - 217
2380065	Lambda-Cyhalothrin	86.7	89.4	P/P	21 - 193
2380065	Methoprene	103	102	P/P	20 - 106
2380065	Methoxychlor	98.3	101	P/P	53 - 118
2380065	MGK-264	119	115	F/P	40 - 118
2380065	Mirex	73.8	62.9	P/P	26 - 92.0
2380065	Oxychlorane	90.9	82.5	P/P	44 - 99.0
2380065	Permethrin	101	94.3	P/P	33 - 182
2380065	Phenothrin	89.8	90.0	P/P	10 - 129
2380065	Piperonyl Butoxide	136	140	P/P	10 - 211
2380065	Prallethrin	132	123	F/F	24 - 113
2380065	Tau-Fluvalinate	99.0	93.6	P/P	14 - 149
2380065	Tetramethrin	125	126	P/P	17 - 151
2380065	Trans-Nonachlor	88.1	70.6	P/P	42 - 102
2380065	Triclosan Methyl	98.5	95.6	P/P	48 - 108
2380065	Trifluralin	76.3	78.2	P/P	47 - 96.0

Reference Method: EPA 8276

Batch ID: P424460

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2380515	Chlordane	93.5	99.3	P/P	53 - 126
2380515	Toxaphene	292	294	F/F	56 - 211

Reference Method: EPA 8321B

Batch ID: P424336

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2378951	Acesulfame K	96.0	99.2	P/P	40 - 150
2378951	AMPA	106	113	P/P	40 - 150
2378951	Endothall	128	127	P/P	40 - 150
2378951	Glufosinate	108	122	P/P	40 - 150
2378951	Glyphosate	104	105	P/P	40 - 150
2378951	Sucralose	97.8	91.6	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P424452

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2378952	2,4-D	91.6	106	P/P	40 - 150
2378952	2,4,5-T	100	99.6	P/P	40 - 150
2378952	Acetaminophen	97.6	94.5	P/P	30 - 150
2378952	Acetamiprid	77.5	88.5	P/P	40 - 150
2378952	Afidopyropen	78.2	95.4	P/P	30 - 150
2378952	Benzovindiflupyr	90.0	92.5	P/P	40 - 150
2378952	Carbamazepine	61.0	63.5	P/P	40 - 150
2378952	Clothianidin	97.3	100	P/P	40 - 150
2378952	Dinotefuran	91.6	93.7	P/P	40 - 150
2378952	Diuron	58.1	58.8	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P424452

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2378952	Fenuron	72.6	75.5	P/P	40 - 150
2378952	Fluridone	91.7	83.9	P/P	40 - 150
2378952	Hydrocodone	81.4	82.5	P/P	40 - 150
2378952	Ibuprofen	81.5	89.5	P/P	40 - 150
2378952	Imidacloprid	145	154	P/F	40 - 150
2378952	Linuron	62.0	59.6	P/P	40 - 150
2378952	Mandestrobin	94.9	97.3	P/P	40 - 150
2378952	MCCP	117	114	P/P	40 - 150
2378952	Naproxen	82.3	79.4	P/P	40 - 150
2378952	Primidone	99.6	98.4	P/P	40 - 150
2378952	Pyraclostrobin	75.4	79.6	P/P	40 - 150
2378952	Silvex	78.3	84.8	P/P	40 - 150
2378952	Thiamethoxam	96.3	97.3	P/P	40 - 150
2378952	Tolfenpyrad	49.6	49.0	P/P	30 - 150
2378952	Triclopyr	101	109	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P424577

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379703	3-Hydroxycarbofuran	66.5	54.5	P/P	40 - 150
2379703	Aldicarb	39.4	30.5	P/P	30 - 150
2379703	Aldicarb Sulfone	76.2	64.3	P/P	40 - 150
2379703	Aldicarb Sulfoxide	37.6	31.0	F/F	40 - 150
2379703	Carbaryl	45.5	40.2	P/P	40 - 150
2379703	Carbofuran	41.7	37.4	P/F	40 - 150
2379703	Methiocarb	58.8	54.4	P/P	40 - 150
2379703	Methomyl	64.4	53.5	P/P	40 - 150
2379703	Oxamyl	77.0	67.4	P/P	40 - 150
2379703	Propoxur	39.4	36.4	F/F	40 - 150

Reference Method: SM 4500-F- C-2011

Batch ID: P424764

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2379873	Fluoride	103	100	P/P	94 - 104

Reference Method: SM 5310 B-2011

Batch ID: P424574

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2380040	Organic Carbon	101		P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P424429

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379873	Turbidity	2.39	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P424492

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379701	Barium	0.681	Spike	P	0 - 20
2379701	Calcium	2.58	Spike	P	0 - 20
2379701	Iron	0.284	Spike	P	0 - 20
2379701	Magnesium	0.254	Spike	P	0 - 20
2379701	Potassium	0.126	Spike	P	0 - 20
2379701	Sodium	1.58	Spike	P	0 - 20
2379701	Zinc	0.800	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P424492

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379701	Aluminum	0.594	Spike	P	0 - 20
2379701	Antimony	0.508	Spike	P	0 - 20
2379701	Arsenic	0.523	Spike	P	0 - 20
2379701	Boron	0.0211	Spike	P	0 - 20
2379701	Cadmium	1.92	Spike	P	0 - 20
2379701	Chromium	0.262	Spike	P	0 - 20
2379701	Copper	0.0587	Spike	P	0 - 20
2379701	Lead	1.78	Spike	P	0 - 20
2379701	Nickel	0.0834	Spike	P	0 - 20
2379701	Selenium	0.655	Spike	P	0 - 20
2379701	Silver	1.18	Spike	P	0 - 20
2379701	Thallium	1.81	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P424626

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379955	Chloride	0.257	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P424629

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379955	Sulfate	3.69	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P424566

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379831	Ammonia-N	0.492	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P425193

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2381650	Kjeldahl Nitrogen	3.88	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P424733

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379999	NO2NO3-N	6.39	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P424592

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379960	Total-P	0.727	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P424431

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2380173	O-Phosphate-P	1.88	Spike	P	0 - 20

Reference Method: EPA 8270E

Batch ID: P424368

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379192	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	4.60	Spike	P	0 - 37
2379192	Acetochlor	17.7	Spike	P	0 - 28
2379192	Alachlor	20.2	Spike	P	0 - 30
2379192	Ametryn	27.8	Spike	P	0 - 32
2379192	Atrazine	3.14	Spike	P	0 - 41
2379192	Atrazine Desethyl	4.52	Spike	P	0 - 36
2379192	Avobenzone	1.00	Spike	P	0 - 36
2379192	Azinphos Methyl	3.02	Spike	P	0 - 75
2379192	Azoxystrobin	3.90	Spike	P	0 - 39
2379192	Bromacil	4.34	Spike	P	0 - 33
2379192	Butylate	6.94	Spike	P	0 - 44
2379192	Caffeine	3.45	Spike	P	0 - 74
2379192	Carbophenothion	0.330	Spike	P	0 - 25
2379192	Carfentrazone Ethyl	1.31	Spike	P	0 - 27
2379192	Chlorfenapyr	1.23	Spike	P	0 - 24
2379192	Chlorpyrifos Ethyl	9.03	Spike	P	0 - 26

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P424368

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379192	Chlorpyrifos Methyl	19.4	Spike	P	0 - 26
2379192	Coumaphos	11.4	Spike	P	0 - 28
2379192	Cyanazine	11.5	Spike	P	0 - 48
2379192	Cyprodinil	16.8	Spike	P	0 - 29
2379192	Dechlorane Plus	5.60	Spike	P	0 - 30
2379192	Demeton	3.94	Spike	P	0 - 33
2379192	Diazinon	19.2	Spike	P	0 - 29
2379192	Difenoconazole	21.1	Spike	P	0 - 34
2379192	Dimethenamid	4.14	Spike	P	0 - 39
2379192	Dimethomorph	22.7	Spike	P	0 - 51
2379192	Disulfoton	8.50	Spike	P	0 - 30
2379192	Dithiopyr	17.3	Spike	P	0 - 26
2379192	EPTC	3.66	Spike	P	0 - 43
2379192	Ethion	2.72	Spike	P	0 - 79
2379192	Ethoprop	5.68	Spike	P	0 - 29
2379192	Etridiazole	31.0	Spike	P	0 - 33
2379192	Fenamiphos	10.5	Spike	P	0 - 40
2379192	Fenbuconazole	14.5	Spike	P	0 - 74
2379192	Fipronil	9.32	Spike	P	0 - 29
2379192	Fipronil Desulfinyl	30.9	Spike	P	0 - 32
2379192	Fipronil Sulfide	5.40	Spike	P	0 - 30
2379192	Fipronil Sulfone	6.60	Spike	P	0 - 33
2379192	Fluazifop-P-butyl	4.79	Spike	P	0 - 38
2379192	Fludioxonil	4.36	Spike	P	0 - 29
2379192	Flumioxazin	10.6	Spike	P	0 - 51
2379192	Flutolanil	7.79	Spike	P	0 - 25
2379192	Fluxapyroxad	15.4	Spike	P	0 - 45
2379192	Fonofos	19.7	Spike	P	0 - 27
2379192	Hexazinone	2.27	Spike	P	0 - 30
2379192	Imazalil	25.3	Spike	P	0 - 100
2379192	Iprodione	15.0	Spike	P	0 - 33
2379192	Loratadine	4.53	Spike	P	0 - 56
2379192	Malathion	1.87	Spike	P	0 - 37
2379192	Metalaxyl	2.72	Spike	P	0 - 40
2379192	Metolachlor	1.60	Spike	P	0 - 29
2379192	Metribuzin	6.08	Spike	P	0 - 45
2379192	Mevinphos	5.90	Spike	P	0 - 29
2379192	Molinate	13.7	Spike	P	0 - 33
2379192	Myclobutanil	4.81	Spike	P	0 - 26
2379192	Naled	17.7	Spike	P	0 - 37
2379192	Napropamide	12.8	Spike	P	0 - 44
2379192	Norflurazon	5.49	Spike	P	0 - 30
2379192	Octinoxate	8.04	Spike	P	0 - 45
2379192	Oxadiazon	5.56	Spike	P	0 - 28
2379192	Oxybenzone	12.5	Spike	P	0 - 46
2379192	Oxyfluorfen	13.6	Spike	P	0 - 28
2379192	Parathion Ethyl	11.6	Spike	P	0 - 31
2379192	Parathion Methyl	2.59	Spike	P	0 - 29
2379192	PBDE-47	6.56	Spike	P	0 - 36
2379192	PBDE-99	5.22	Spike	P	0 - 40
2379192	Pendimethalin	15.8	Spike	P	0 - 33

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P424368

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379192	Phenytoin	4.13	Spike	P	0 - 100
2379192	Phorate	17.9	Spike	P	0 - 36
2379192	Prodiamine	7.16	Spike	P	0 - 71
2379192	Prometon	19.8	Spike	P	0 - 36
2379192	Prometryn	19.0	Spike	P	0 - 28
2379192	Pronamide	7.34	Spike	P	0 - 24
2379192	Propanil	10.1	Spike	P	0 - 28
2379192	Propargite	12.7	Spike	P	0 - 43
2379192	Propiconazole	4.72	Spike	P	0 - 33
2379192	Pyraflufen Ethyl	22.4	Spike	P	0 - 29
2379192	Pyridaben	6.02	Spike	P	0 - 30
2379192	Pyriproxyfen	14.7	Spike	P	0 - 79
2379192	Simazine	5.18	Spike	P	0 - 29
2379192	Stirophos	0.902	Spike	P	0 - 61
2379192	Sulfentrazone	18.0	Spike	P	0 - 33
2379192	Tebuconazole	7.15	Spike	P	0 - 69
2379192	Terbufos	20.7	Spike	P	0 - 29
2379192	Terbutylazine	7.47	Spike	P	0 - 32
2379192	Thiobencarb	17.6	Spike	P	0 - 26
2379192	Tri-o-cresyl Phosphate	8.59	Spike	P	0 - 33
2379192	Triadimefon	1.82	Spike	P	0 - 28

Reference Method: EPA 8270E

Batch ID: P424460

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2380065	Aldrin	11.6	Spike	P	0 - 41
2380065	Alpha-BHC	7.91	Spike	P	0 - 25
2380065	Alpha-Chlordane	6.14	Spike	P	0 - 33
2380065	Beta-BHC	7.09	Spike	P	0 - 36
2380065	Beta-Cyfluthrin	14.0	Spike	P	0 - 42
2380065	Bifenthrin	6.65	Spike	P	0 - 53
2380065	Chlorothalonil	1.02	Spike	P	0 - 71
2380065	Cis-Nonachlor	2.41	Spike	P	0 - 29
2380065	Cypermethrin	11.5	Spike	P	0 - 40
2380065	Dacthal	8.72	Spike	P	0 - 26
2380065	DDD-p,p'	1.71	Spike	P	0 - 39
2380065	DDE-p,p'	7.69	Spike	P	0 - 33
2380065	DDT-p,p'	2.45	Spike	P	0 - 40
2380065	Delta-BHC	2.18	Spike	P	0 - 37
2380065	Deltamethrin	2.54	Spike	P	0 - 100
2380065	Dichlobenil	2.47	Spike	P	0 - 40
2380065	Dicofol	8.39	Spike	P	0 - 31
2380065	Dieldrin	2.64	Spike	P	0 - 27
2380065	Endosulfan I	9.21	Spike	P	0 - 23
2380065	Endosulfan II	7.79	Spike	P	0 - 28
2380065	Endosulfan Sulfate	8.10	Spike	P	0 - 38
2380065	Endrin	2.47	Spike	P	0 - 63
2380065	Endrin Aldehyde	7.12	Spike	P	0 - 60
2380065	Endrin Ketone	8.99	Spike	P	0 - 37

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P424460

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2380065	Esfenvalerate	1.83	Spike	P	0 - 52
2380065	Ethalfuralin	1.46	Spike	P	0 - 23
2380065	Fenpropathrin	2.18	Spike	P	0 - 32
2380065	Gamma-BHC	1.22	Spike	P	0 - 17
2380065	Gamma-Chlordane	11.2	Spike	P	0 - 40
2380065	Heptachlor	0.0170	Spike	P	0 - 29
2380065	Heptachlor Epoxide	7.99	Spike	P	0 - 25
2380065	Hexachlorobenzene	2.80	Spike	P	0 - 36
2380065	Kepone	0.797	Spike	P	0 - 93
2380065	Lambda-Cyhalothrin	3.02	Spike	P	0 - 55
2380065	Methoprene	1.01	Spike	P	0 - 53
2380065	Methoxychlor	2.70	Spike	P	0 - 29
2380065	MGK-264	3.48	Spike	P	0 - 35
2380065	Mirex	15.9	Spike	P	0 - 46
2380065	Oxychlordane	9.60	Spike	P	0 - 29
2380065	Permethrin	7.21	Spike	P	0 - 44
2380065	Phenothrin	0.180	Spike	P	0 - 56
2380065	Piperonyl Butoxide	2.66	Spike	P	0 - 100
2380065	Prallethrin	6.85	Spike	P	0 - 42
2380065	Tau-Fluvalinate	5.66	Spike	P	0 - 54
2380065	Tetramethrin	1.19	Spike	P	0 - 51
2380065	Trans-Nonachlor	22.0	Spike	P	0 - 37
2380065	Triclosan Methyl	2.98	Spike	P	0 - 31
2380065	Trifluralin	2.47	Spike	P	0 - 30

Reference Method: EPA 8276

Batch ID: P424460

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2380515	Chlordane	4.57	Spike	P	0 - 25
2380515	Toxaphene	0.553	Spike	P	0 - 26

Reference Method: EPA 8321B

Batch ID: P424336

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2378951	Acesulfame K	3.32	Spike	P	0 - 30
2378951	AMPA	6.64	Spike	P	0 - 30
2378951	Endothall	1.07	Spike	P	0 - 30
2378951	Glufosinate	12.0	Spike	P	0 - 30
2378951	Glyphosate	1.09	Spike	P	0 - 30
2378951	Sucralose	6.14	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P424452

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2378952	2,4-D	12.9	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P424452

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2378952	2,4,5-T	0.720	Spike	P	0 - 30
2378952	Acetaminophen	3.23	Spike	P	0 - 30
2378952	Acetamiprid	13.2	Spike	P	0 - 30
2378952	Afidopyropen	19.8	Spike	P	0 - 30
2378952	Bentazon	12.3	Spike	P	0 - 30
2378952	Benzovindiflupyr	2.71	Spike	P	0 - 30
2378952	Carbamazepine	3.99	Spike	P	0 - 30
2378952	Clothianidin	2.87	Spike	P	0 - 30
2378952	Dinotefuran	2.29	Spike	P	0 - 30
2378952	Diuron	1.12	Spike	P	0 - 30
2378952	Fenuron	4.03	Spike	P	0 - 30
2378952	Fluridone	5.90	Spike	P	0 - 30
2378952	Hydrocodone	1.27	Spike	P	0 - 30
2378952	Ibuprofen	9.38	Spike	P	0 - 30
2378952	Imazapyr	0.581	Spike	P	0 - 30
2378952	Imidacloprid	4.99	Spike	P	0 - 30
2378952	Linuron	3.99	Spike	P	0 - 30
2378952	Mandestrobin	2.50	Spike	P	0 - 30
2378952	MCPP	3.17	Spike	P	0 - 30
2378952	Naproxen	3.55	Spike	P	0 - 30
2378952	Primidone	1.13	Spike	P	0 - 30
2378952	Pyraclostrobin	5.42	Spike	P	0 - 30
2378952	Silvex	7.89	Spike	P	0 - 30
2378952	Thiamethoxam	0.952	Spike	P	0 - 30
2378952	Tolfenpyrad	1.33	Spike	P	0 - 30
2378952	Triclopyr	7.52	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P424577

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379703	3-Hydroxycarbofuran	19.8	Spike	P	0 - 30
2379703	Aldicarb	25.6	Spike	P	0 - 30
2379703	Aldicarb Sulfone	17.0	Spike	P	0 - 30
2379703	Aldicarb Sulfoxide	19.3	Spike	P	0 - 30
2379703	Carbaryl	12.6	Spike	P	0 - 30
2379703	Carbofuran	10.9	Spike	P	0 - 30
2379703	Methiocarb	7.72	Spike	P	0 - 30
2379703	Methomyl	18.5	Spike	P	0 - 30
2379703	Oxamyl	13.2	Spike	P	0 - 30
2379703	Propoxur	8.09	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P424760

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379873	Total Alkalinity	2.24	Sample	P	0 - 3.8

Quality Assurance Report Precision

Reference Method: SM 2540 C-2015
Batch ID: P424910

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2378760	TDS	0.342	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P424764

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2379873	Fluoride	2.44	Spike	F	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P424574

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2380040	Organic Carbon	0.121	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2379989

Field Sample ID: DIWATERNEROC

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	66.5	P	30 - 160

Lab Sample ID: 2379990

Field Sample ID: DIWATERNEROC

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	120	P	30 - 160
EPA 8321B	Acetaminophen-d4	87.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	96.4	P	30 - 160
EPA 8321B	Diuron-d6	82.8	P	30 - 160
EPA 8321B	Endothall-d6	100	P	30 - 160
EPA 8321B	Endothall-d6	100	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	97.7	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	97.7	P	30 - 160
EPA 8321B	Ibuprofen-d3	103	P	30 - 160
EPA 8321B	Primidone-d5	93.0	P	30 - 160
EPA 8321B	Sucralose-d6	90.8	P	30 - 160
EPA 8321B	Sucralose-d6	90.8	P	30 - 160
EPA 8321B	Sucralose-d6	90.8	P	30 - 160
EPA 8321B	Sucralose-d6	90.8	P	30 - 160

Lab Sample ID: 2379991

Field Sample ID: DIWATERNEROC

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	80.1	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	81.8	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	79.5	P	30 - 101
EPA 8276	PCNB	98.9	P	48 - 121

Lab Sample ID: 2379992

Field Sample ID: DIWATERNEROC

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	76.7	P	20 - 200
EPA 8270E	Simazine-d10	91.6	P	62 - 142
EPA 8270E	Terbufos-d10	104	P	58 - 132
EPA 8270E	Terphenyl-d14	107	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A116833

Included Lab Sample IDs: 2379971

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

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A116849

Included Lab Sample IDs: 2379971

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	101	100	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A116850

Included Lab Sample IDs: 2379973

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	96.7	97.3	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A116897

Included Lab Sample IDs: 2379990

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	108	119	P/P	60 - 160
Endothall	107	107	P/P	60 - 160
Glufosinate	100	111	P/P	60 - 160
Glyphosate	99.0	101	P/P	60 - 160

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A116902

Included Lab Sample IDs: 2379972

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

Reference Method: SM 5310 B-2011

Run ID: A116906

Included Lab Sample IDs: 2379972

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	98.7	99.2	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A116918

Included Lab Sample IDs: 2379990

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	103	112	P/P	50 - 150
2,4,5-T	106	122	P/P	50 - 150
Acetaminophen	113	110	P/P	60 - 160
Acetamiprid	141	125	P/P	50 - 150
Afidopyropen	140	118	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A116918
Included Lab Sample IDs: 2379990

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Bentazon	112	102	P/P	50 - 160
Benzovindiflupyr	129	134	P/P	50 - 150
Carbamazepine	126	118	P/P	60 - 150
Clothianidin	117	116	P/P	60 - 150
Dinotefuran	123	113	P/P	50 - 150
Diuron	142	141	P/P	60 - 160
Fenuron	115	115	P/P	60 - 150
Fluridone	122	122	P/P	60 - 160
Hydrocodone	121	120	P/P	60 - 150
Ibuprofen	119	106	P/P	50 - 160
Imazapyr	110	112	P/P	50 - 150
Imidacloprid	120	120	P/P	60 - 150
Linuron	112	91.0	P/P	60 - 150
Mandestrobin	132	136	P/P	50 - 150
MCPP	116	112	P/P	50 - 150
Naproxen	87.9	99.0	P/P	50 - 160
Primidone	109	98.5	P/P	60 - 150
Pyraclostrobin	118	105	P/P	60 - 150
Silvex	118	101	P/P	50 - 150
Thiamethoxam	121	124	P/P	50 - 150
Tolfenpyrad	110	105	P/P	60 - 150
Triclopyr	113	110	P/P	50 - 150

Reference Method: EPA 8270E
Run ID: A116932
Included Lab Sample IDs: 2379992

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	100		P	80 - 120
Avobenzone	100		P	80 - 120
Dechlorane Plus	99.7		P	80 - 120
Octinoxate	99.3		P	80 - 120
Oxybenzone	101		P	80 - 120
PBDE-47	98.3		P	80 - 120
PBDE-99	102		P	80 - 120
Tri-o-cresyl Phosphate	99.3		P	80 - 120

Reference Method: EPA 8321B
Run ID: A116935
Included Lab Sample IDs: 2379989

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	111	111	P/P	60 - 150
Aldicarb	103	113	P/P	60 - 150
Aldicarb Sulfone	116	118	P/P	50 - 150
Aldicarb Sulfoxide	115	112	P/P	50 - 150
Carbaryl	111	107	P/P	60 - 150
Carbofuran	106	113	P/P	50 - 150
Methiocarb	105	103	P/P	50 - 150
Methomyl	115	115	P/P	50 - 150
Oxamyl	109	113	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A116935
Included Lab Sample IDs: 2379989

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Propoxur	112	121	P/P	50 - 150

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A116944
Included Lab Sample IDs: 2379972

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.0	98.8	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A116951
Included Lab Sample IDs: 2379990

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	90.9	87.4	P/P	60 - 160

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A116953
Included Lab Sample IDs: 2379972

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

Reference Method: EPA 8321B
Run ID: A116953
Included Lab Sample IDs: 2379990

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	104	107	P/P	60 - 160

Reference Method: SM 2320 B-2011
Run ID: A117000
Included Lab Sample IDs: 2379971

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.1	95.6	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A117000
Included Lab Sample IDs: 2379971

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	105	104	P/P	90 - 110

Reference Method: EPA 8276
Run ID: A117031
Included Lab Sample IDs: 2379991

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	95.9		P	80 - 120
Toxaphene	88.8		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A117034
Included Lab Sample IDs: 2379992

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	98.1		P	80 - 120
Alachlor	88.7		P	80 - 120
Ametryn	120		P	80 - 120
Atrazine Desethyl	80.9		P	80 - 120
Azinphos Methyl	81.8		P	80 - 120
Bromacil	114		P	80 - 120
Butylate	83.6		P	80 - 120
Caffeine	99.9		P	80 - 120
Carfentrazone Ethyl	85.4		P	80 - 120
Chlorpyrifos Ethyl	116		P	80 - 120
Cyanazine	99.7		P	80 - 120
Demeton	112		P	80 - 120
Diazinon	102		P	80 - 120
Difenoconazole	90.5		P	80 - 120
Dimethenamid	112		P	80 - 120
Disulfoton	84.0		P	80 - 120
Dithiopyr	94.1		P	80 - 120
EPTC	95.9		P	80 - 120
Ethoprop	118		P	80 - 120
Etridiazole	95.6		P	80 - 120
Fenamiphos	120		P	80 - 120
Fipronil	87.3		P	80 - 120
Fipronil Desulfinyl	92.7		P	80 - 120
Fipronil Sulfide	99.1		P	80 - 120
Flumioxazin	90.3		P	80 - 120
Fonofos	95.9		P	80 - 120
Imazalil	98.2		P	80 - 120
Iprodione	100		P	80 - 120
Loratadine	90.7		P	80 - 120
Malathion	114		P	80 - 120
Metaxyl	93.5		P	80 - 120
Metolachlor	117		P	80 - 120
Metribuzin	88.3		P	80 - 120
Mevinphos	91.5		P	80 - 120
Molinate	105		P	80 - 120
Naled	103		P	80 - 120
Oxadiazon	105		P	80 - 120
Oxyfluorfen	87.5		P	80 - 120
Parathion Ethyl	113		P	80 - 120
Parathion Methyl	82.6		P	80 - 120
Pendimethalin	89.1		P	80 - 120
Phenytoin	89.1		P	80 - 120
Phorate	107		P	80 - 120
Prodiamine	108		P	80 - 120
Prometon	120		P	80 - 120
Prometryn	96.0		P	80 - 120
Pronamide	91.3		P	80 - 120
Propanil	106		P	80 - 120
Propargite	82.4		P	80 - 120
Propiconazole	95.0		P	80 - 120
Pyraflufen Ethyl	86.9		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A117034
Included Lab Sample IDs: 2379992

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Simazine	102		P	80 - 120
Terbufos	96.6		P	80 - 120
Terbutylazine	101		P	80 - 120
Thiobencarb	102		P	80 - 120
Triadimefon	95.6		P	80 - 120

Reference Method: EPA 8270E
Run ID: A117035
Included Lab Sample IDs: 2379992

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	98.6		P	80 - 120
Azoxystrobin	96.1		P	80 - 120
Carbophenothion	89.9		P	80 - 120
Chlorfenapyr	92.6		P	80 - 120
Chlorpyrifos Methyl	95.4		P	80 - 120
Coumaphos	92.9		P	80 - 120
Cyprodinil	108		P	80 - 120
Dimethomorph	103		P	80 - 120
Ethion	106		P	80 - 120
Fenbuconazole	92.2		P	80 - 120
Fipronil Sulfone	90.9		P	80 - 120
Fluazifop-P-butyl	83.1		P	80 - 120
Fludioxonil	109		P	80 - 120
Flutolanil	108		P	80 - 120
Fluxapyroxad	86.8		P	80 - 120
Hexazinone	97.1		P	80 - 120
Myclobutanil	104		P	80 - 120
Napropamide	103		P	80 - 120
Norflurazon	87.9		P	80 - 120
Pyridaben	108		P	80 - 120
Pyriproxyfen	110		P	80 - 120
Stirophos	93.1		P	80 - 120
Sulfentrazone	90.0		P	80 - 120
Tebuconazole	106		P	80 - 120

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A117038
Included Lab Sample IDs: 2379993

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Barium	103	97.4	P/P	90 - 110
Calcium	98.5	99.8	P/P	90 - 110
Iron	98.2	99.4	P/P	90 - 110
Magnesium	98.2	99.4	P/P	90 - 110
Potassium	98.4	100	P/P	90 - 110
Sodium	98.7	100	P/P	90 - 110
Zinc	103	97.8	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A117050

Included Lab Sample IDs: 2379993

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Antimony	107	106	P/P	90 - 110
Arsenic	103	103	P/P	90 - 110
Boron	97.1	94.5	P/P	90 - 110
Cadmium	106	105	P/P	90 - 110
Chromium	92.9	95.6	P/P	90 - 110
Copper	94.8	97.9	P/P	90 - 110
Lead	95.5	95.7	P/P	90 - 110
Nickel	92.6	97.7	P/P	90 - 110
Selenium	103	103	P/P	90 - 110
Silver	102	101	P/P	90 - 110
Thallium	101	101	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A117057

Included Lab Sample IDs: 2379991

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	90.8		P	80 - 120
Alpha-BHC	108		P	80 - 120
Alpha-Chlordane	112		P	80 - 120
Beta-BHC	120		P	80 - 120
Beta-Cyfluthrin	110		P	80 - 120
Bifenthrin	103		P	80 - 120
Chlorothalonil	111		P	80 - 120
Cis-Nonachlor	94.0		P	80 - 120
Cypermethrin	90.5		P	80 - 120
Dacthal	92.3		P	80 - 120
DDD-p,p'	114		P	80 - 120
DDE-p,p'	108		P	80 - 120
DDT-p,p'	101		P	80 - 120
Delta-BHC	119		P	80 - 120
Deltamethrin	110		P	80 - 120
Dichlobenil	107		P	80 - 120
Dicofol	95.0		P	80 - 120
Dieldrin	107		P	80 - 120
Endosulfan I	88.6		P	80 - 120
Endosulfan II	89.8		P	80 - 120
Endosulfan Sulfate	105		P	80 - 120
Endrin	107		P	80 - 120
Endrin Aldehyde	91.2		P	80 - 120
Endrin Ketone	97.7		P	80 - 120
Esfenvalerate	99.2		P	80 - 120
Ethalfuralin	99.5		P	80 - 120
Fenpropathrin	104		P	80 - 120
Gamma-BHC	93.8		P	80 - 120
Gamma-Chlordane	92.2		P	80 - 120
Heptachlor	93.3		P	80 - 120
Heptachlor Epoxide	91.0		P	80 - 120
Hexachlorobenzene	111		P	80 - 120
Kepone	65.4*		F	80 - 120
Lambda-Cyhalothrin	94.8		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A117057
Included Lab Sample IDs: 2379991

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Methoprene	109		P	80 - 120
Methoxychlor	102		P	80 - 120
MGK-264	94.8		P	80 - 120
Mirex	93.9		P	80 - 120
Oxychlordane	97.9		P	80 - 120
Permethrin	114		P	80 - 120
Phenothrin	116		P	80 - 120
Piperonyl Butoxide	92.2		P	80 - 120
Prallethrin	104		P	80 - 120
Tau-Fluvalinate	105		P	80 - 120
Tetramethrin	109		P	80 - 120
Trans-Nonachlor	88.2		P	80 - 120
Triclosan Methyl	94.3		P	80 - 120
Trifluralin	99.7		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A117079
Included Lab Sample IDs: 2379993

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	98.1	98.5	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A117211
Included Lab Sample IDs: 2379972

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	90.3	94.0	P/P	90 - 110

* Pass/Fail determinations are made for each bracketing calibration verification check.
Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery			LCS	Precision SMP	MS
EPA 180.1 Rev. 2.0	Turbidity	102					2.39	
EPA 200.7 Rev. 4.4	Barium	98.9	99.5	98.8	98.8			0.681
	Calcium	100	97.2	99.6				2.58
	Iron	101	101	100	101			0.284
	Magnesium	98.7	97.0	98.5				0.254
	Potassium	98.8	95.4	97.2				0.126
	Sodium	99.3	96.9	99.3				1.58
	Zinc	98.5	102	101	102			0.800
EPA 200.8 Rev. 5.4	Aluminum	101	97.5	96.8	91.4			0.594
	Antimony	107	107	107	107			0.508
	Arsenic	103	106	106	106			0.523
	Boron	106	96.6	96.6	101			0.0211
	Cadmium	106	107	105	108			1.92
	Chromium	95.3	96.5	96.2	97.0			0.262
	Copper	97.2	96.1	96.2	96.7			0.0587
	Lead	98.2	98.7	97.0	98.3			1.78
	Nickel	99.4	98.6	98.6	96.2			0.0834
	Selenium	95.3	95.1	95.7	97.9			0.655
	Silver	102	99.9	98.7	99.7			1.18
	Thallium	101	106	104	104			1.81
EPA 300.0 Rev. 2.1	Chloride	101	101	99.9			0.257	
	Sulfate	101	101	101			3.69	
EPA 350.1 Rev. 2.0	Ammonia-N	98.4	97.0	97.6				0.492
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	106	92.4	97.0				3.88
EPA 353.2 Rev. 2.0	NO2NO3-N	104	89.5	100				6.39
EPA 365.1 Rev. 2.0	Total-P	105	106	105				0.727
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	98.3	95.2	97.2				1.88
EPA 8270E	2-Ethylhexyl	105	95.6	100				4.60
	2,3,4,5-tetrabromobenzoate (EHTBB)							
	Acetochlor	79.3	71.6	85.5				17.7
	Alachlor	70.9	68.3	83.7				20.2
	Aldrin	65.4	66.9	59.5				11.6
	Alpha-BHC	97.9	96.4	104				7.91
	Alpha-Chlordane	88.7	110	103				6.14
	Ametryn	109						27.8
	Atrazine	88.1						3.14
	Atrazine Desethyl	52.3	56.6	61.7				4.52
	Avobenzone	134	113	114				1.00
	Azinphos Methyl	122	126	123				3.02
	Azoxystrobin	98.4	105	111				3.90
	Beta-BHC	130	133	143				7.09
	Beta-Cyfluthrin	92.0	104	90.6				14.0
	Bifenthrin	63.3	71.8	67.1				6.65
	Bromacil	79.3	85.0	80.4				4.34
	Butylate	56.5	55.8	52.0				6.94
	Caffeine	99.7	99.3	95.7				3.45
	Carbophenothion	98.7	108	108				0.330
	Carfentrazone Ethyl	82.7	82.0	81.0				1.31
	Chlorfenapyr	63.8	70.9	71.8				1.23
	Chlorothalonil	114	137	138				1.02
	Chlorpyrifos Ethyl	86.0	72.8	79.7				9.03
	Chlorpyrifos Methyl	91.5	89.0	108				19.4
	Cis-Nonachlor	75.5	78.7	76.9				2.41

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Coumaphos	140	155	139		11.4
	Cyanazine	245	260	232		11.5
	Cypermethrin	85.2	93.2	83.0		11.5
	Cyprodinil	107	113	133		16.8
	Dacthal	92.5	103	94.5		8.72
	DDD-p,p'	100	102	99.9		1.71
	DDE-p,p'	91.3	105	97.2		7.69
	DDT-p,p'	80.5	77.8	75.9		2.45
	Dechlorane Plus	121	79.1	74.8		5.60
	Delta-BHC	122	135	138		2.18
	Deltamethrin	95.8	107	104		2.54
	Demeton	102	129	124		3.94
	Diazinon	84.2	84.1	102		19.2
	Dichlobenil	98.6	64.3	65.9		2.47
	Dicofol	84.1	80.7	87.8		8.39
	Dieldrin	95.1	106	103		2.64
	Difenoconazole	138	176	142		21.1
	Dimethenamid	95.0	96.8	92.6		4.14
	Dimethomorph	117	116	146		22.7
	Disulfoton	83.5	88.5	96.4		8.50
	Dithiopyr	70.1	70.4	83.8		17.3
	Endosulfan I	83.9	94.3	86.0		9.21
	Endosulfan II	96.6	97.6	90.3		7.79
	Endosulfan Sulfate	119	109	118		8.10
	Endrin	95.7	106	104		2.47
	Endrin Aldehyde	89.6	89.1	83.0		7.12
	Endrin Ketone	102	97.4	107		8.99
	EPTC	54.2	50.0	48.2		3.66
	Esfenvalerate	83.5	110	108		1.83
	Ethalfuralin	81.8	77.2	76.1		1.46
	Ethion	68.4	71.2	69.3		2.72
	Ethoprop	97.4	110	117		5.68
	Etridiazole	48.4	49.2	36.0		31.0
	Fenamiphos	90.1	87.9	97.7		10.5
	Fenbuconazole	136	148	128		14.5
	Fenpropathrin	84.5	78.9	77.2		2.18
	Fipronil	69.0	79.0	87.4		9.32
	Fipronil Desulfinyl	64.9	63.1	88.0		30.9
	Fipronil Sulfide	91.1	116	109		5.40
	Fipronil Sulfone	116	117	108		6.60
	Fluazifop-P-butyl	93.4	107	102		4.79
	Fludioxonil	81.2	93.0	97.2		4.36
	Flumioxazin	72.5	97.5	108		10.6
	Flutolanil	78.7	85.2	92.3		7.79
	Fluxapyroxad	119	137	162		15.4
	Fonofos	87.2	89.4	109		19.7
	Gamma-BHC	99.7	93.2	94.4		1.22
	Gamma-Chlordane	79.8	97.0	86.7		11.2
	Heptachlor	73.7	73.6	73.5		0.0170
	Heptachlor Epoxide	82.7	88.9	82.1		7.99
	Hexachlorobenzene	74.4	73.0	71.0		2.80
	Hexazinone	94.0				2.27
	Imazalil	101	152	118		25.3
	Iprodione	126	148	172		15.0

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Kepone	157	174	175		0.797
	Lambda-Cyhalothrin	80.2	86.7	89.4		3.02
	Loratadine	95.6	106	111		4.53
	Malathion	99.1	98.8	97.0		1.87
	Metalaxyl	96.0	94.7	97.5		2.72
	Methoprene	80.6	103	102		1.01
	Methoxychlor	99.8	98.3	101		2.70
	Metolachlor	79.3	81.6	79.6		1.60
	Metribuzin	88.7	102	109		6.08
	Mevinphos	95.3	112	119		5.90
	MGK-264	108	119	115		3.48
	Mirex	76.1	73.8	62.9		15.9
	Molinate	75.3	86.3	75.3		13.7
	Myclobutanil	84.4	96.2	101		4.81
	Naled	99.5	105	126		17.7
	Napropamide	56.8	64.3	73.1		12.8
	Norflurazon	93.4	114	121		5.49
	Octinoxate	98.3	77.7	84.3		8.04
	Oxadiazon	91.4	93.5	87.8		5.56
	Oxybenzone	95.6	76.8	87.1		12.5
	Oxychlordane	81.0	90.9	82.5		9.60
	Oxyfluorfen	80.0	94.3	108		13.6
	Parathion Ethyl	95.5	100	113		11.6
	Parathion Methyl	131	150	154		2.59
	PBDE-47	104	83.2	88.8		6.56
	PBDE-99	105	85.0	89.6		5.22
	Pendimethalin	76.1	101	118		15.8
	Permethrin	93.4	101	94.3		7.21
	Phenothrin	87.2	89.8	90.0		0.180
	Phenytoin	44.4	45.1	43.2		4.13
	Phorate	132	162	136		17.9
	Piperonyl Butoxide	122	136	140		2.66
	Prallethrin	109	132	123		6.85
	Prodimamine	75.1	91.4	85.1		7.16
	Prometon	96.8	109	133		19.8
	Prometryn	98.6	110	133		19.0
	Pronamide	74.1	81.2	87.4		7.34
	Propanil	95.4	98.5	89.1		10.1
	Propargite	82.4	79.1	89.8		12.7
	Propiconazole	83.4	113	119		4.72
	Pyraflufen Ethyl	84.1	78.5	98.3		22.4
	Pyridaben	101	99.9	107		6.02
	Pyriproxyfen	93.8	86.5	100		14.7
	Simazine	91.6	112	104		5.18
	Stirophos	97.2	98.8	99.7		0.902
	Sulfentrazone	93.1	151	112		18.0
	Tau-Fluvalinate	79.3	99.0	93.6		5.66
	Tebuconazole	86.3	86.2	95.0		7.15
	Terbufos	97.2	115	142		20.7
	Terbutylazine	88.9	96.5	104		7.47
	Tetramethrin	118	125	126		1.19
	Thiobencarb	111	117	98.4		17.6
	Trans-Nonachlor	73.6	88.1	70.6		22.0
	Tri-o-cresyl Phosphate	105	82.9	90.4		8.59

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Triadimefon	68.1	57.7	59.0		1.82
	Triclosan Methyl	80.3	98.5	95.6		2.98
	Trifluralin	82.2	76.3	78.2		2.47
EPA 8276	Chlordane	98.6	93.5	99.3		4.57
	Toxaphene	113	292	294		0.553
EPA 8321B	2,4-D	105	91.6	106		12.9
	2,4,5-T	84.4	100	99.6		0.720
	3-Hydroxycarbofuran	83.2	66.5	54.5		19.8
	Acesulfame K	103	96.0	99.2		3.32
	Acetaminophen	88.7	97.6	94.5		3.23
	Acetamiprid	98.6	77.5	88.5		13.2
	Afidopyropen	73.3	78.2	95.4		19.8
	Aldicarb	66.4	39.4	30.5		25.6
	Aldicarb Sulfone	94.8	76.2	64.3		17.0
	Aldicarb Sulfoxide	97.9	37.6	31.0		19.3
	AMPA	107	106	113		6.64
	Bentazon	85.6				12.3
	Benzovindiflupyr	92.3	90.0	92.5		2.71
	Carbamazepine	83.0	61.0	63.5		3.99
	Carbaryl	70.0	45.5	40.2		12.6
	Carbofuran	69.0	41.7	37.4		10.9
	Clothianidin	98.6	97.3	100		2.87
	Dinotefuran	98.0	91.6	93.7		2.29
	Diuron	89.9	58.1	58.8		1.12
	Endothall	123	128	127		1.07
	Fenuron	108	72.6	75.5		4.03
	Fluridone	98.1	91.7	83.9		5.90
	Glufosinate	126	108	122		12.0
	Glyphosate	105	104	105		1.09
	Hydrocodone	94.3	81.4	82.5		1.27
	Ibuprofen	108	81.5	89.5		9.38
	Imazapyr	93.9				0.581
	Imidacloprid	103	145	154		4.99
	Linuron	74.5	62.0	59.6		3.99
	Mandestrobin	107	94.9	97.3		2.50
	MCPP	105	117	114		3.17
	Methiocarb	63.0	58.8	54.4		7.72
	Methomyl	95.0	64.4	53.5		18.5
	Naproxen	86.8	82.3	79.4		3.55
	Oxamyl	97.1	77.0	67.4		13.2
	Primidone	95.2	99.6	98.4		1.13
	Propoxur	67.5	39.4	36.4		8.09
	Pyraclostrobin	70.5	75.4	79.6		5.42
	Silvex	82.8	78.3	84.8		7.89
	Sucralose	107	97.8	91.6		6.14
	Thiamethoxam	96.9	96.3	97.3		0.952
	Tolfenpyrad	33.5	49.6	49.0		1.33
	Triclopyr	84.6	101	109		7.52
SM 2320 B-2011	Total Alkalinity	94.7			2.24	
SM 2540 C-2015	TDS	105			0.342	
SM 2540 D-2015	TSS	98.1				
SM 4500-F- C-2011	Fluoride	102	103	100		2.44
SM 5310 B-2011	Organic Carbon	96.8	101			0.121

Reference Method Descriptions

Method	Description	<u>Associated Samples</u>
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2379971
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2379993
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2379993
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2379971
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2379971
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2379972
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2379972
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2379972
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2379972
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2379973
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2379992
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2379991
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2379992
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2379991
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2379989
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2379990
EPA 8321B	Water soluble organic compounds by HPLC/MS/MS	2379990
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2379971
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2379971
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2379971
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2379971
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2379972

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 180.1 Rev. 2.0	01/11/2023			01/11/2023 14:15	Khloe J Berg	2379971
EPA 200.7 Rev. 4.4	01/11/2023	01/12/2023 12:15	George D Taylor	01/23/2023 18:42	McKinley C Carter	2379993
EPA 200.8 Rev. 5.4	01/11/2023	01/12/2023 12:15	George D Taylor	01/23/2023 20:22	Megan Whitefoot	2379993
	01/11/2023	01/12/2023 12:15	George D Taylor	01/25/2023 00:34	Megan Whitefoot	2379993
EPA 300.0 Rev. 2.1	01/11/2023			01/14/2023 08:13	Anna M. Plaviak	2379971
EPA 350.1 Rev. 2.0	01/11/2023			01/13/2023 14:14	Ping Hua	2379972
EPA 351.2 Rev. 2.0	01/11/2023	01/31/2023 12:30	Simonne.V. Calhoun	02/01/2023 16:08	Samantha L Bates	2379972
EPA 353.2 Rev. 2.0	01/11/2023			01/18/2023 11:38	Beverly Y. Sanders	2379972
EPA 365.1 Rev. 2.0	01/11/2023	01/17/2023 09:53	Adam P Silver	01/18/2023 11:16	James L Waggeberby	2379972
EPA 365.1 Rev. 2.0 dissolved	01/11/2023			01/11/2023 15:33	Elise M. Gillis	2379973
EPA 8270E	01/11/2023	01/13/2023 08:00	Fe-Val Siddell	01/18/2023 21:51	Julie Wi	2379991
	01/11/2023	01/14/2023 08:00	Fe-Val Siddell	01/18/2023 02:08	Arthur Maknenko	2379992
	01/11/2023	01/14/2023 08:00	Fe-Val Siddell	01/18/2023 18:54	Michael Poppell	2379992
	01/11/2023	01/14/2023 08:00	Fe-Val Siddell	01/20/2023 18:38	Michael Poppell	2379992
EPA 8276	01/11/2023	01/13/2023 08:00	Fe-Val Siddell	01/19/2023 08:50	Lipi Saha	2379991
EPA 8321B	01/11/2023	01/12/2023 09:30	June Rhew	01/12/2023 17:46	Manjita Shrestha	2379990
	01/11/2023	01/12/2023 09:30	June Rhew	01/17/2023 16:42	Manjita Shrestha	2379990
	01/11/2023	01/12/2023 09:30	Manjita Shrestha	01/17/2023 16:42	Manjita Shrestha	2379990
	01/11/2023	01/13/2023 09:00	June Rhew	01/13/2023 23:29	Juyoung Kim	2379990
	01/11/2023	01/17/2023 09:30	June Rhew	01/17/2023 22:52	Juyoung Kim	2379989
SM 2320 B-2011	01/11/2023			01/20/2023 07:05	Adam P Silver	2379971
SM 2540 C-2015	01/11/2023			01/13/2023 16:42	Yijie Li	2379971
SM 2540 D-2015	01/11/2023			01/13/2023 16:42	Yijie Li	2379971
SM 4500-F- C-2011	01/11/2023			01/20/2023 07:05	Adam P Silver	2379971
SM 5310 B-2011	01/11/2023			01/13/2023 20:05	Khloe J Berg	2379972