

Chemical Analysis Report

SW-DIST-2022-07-21-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Event Description: **Run 16**
Request ID: **RQ-2022-07-18-09**
Customer: **SW-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
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Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 11-AUG-2022 09:51



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: Klosterman Canal South

Collection Date/Time: 07/20/2022 11:30

Field ID: G5SW0040

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343184	DEP SOP: NU-094-1	Color (true)	70		PCU	P417014	
	EPA 180.1 Rev. 2.0	Turbidity	9.7		NTU	P417011	
	EPA 300.0 Rev. 2.1	Chloride	140		mg Cl/L	P417383	
	SM 2320 B-2011	Total Alkalinity	149		mg CaCO3/L	P417354	
	SM 2540 C-2011	TDS	444		mg/L	P417490	
	SM 2540 D-2011	TSS	13		mg/L	P417478	
	SM 4500-F- C-2011	Fluoride	0.41		mg F/L	P417356	
2343185	EPA 350.1 Rev. 2.0	Ammonia-N	0.069		mg N/L	P417259	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	2.5		mg N/L	P417236	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.010		mg N/L	P417228	
	EPA 365.1 Rev. 2.0	Total-P	0.32		mg P/L	P417094	
	SM 5310 B-2011	Organic Carbon	20		mg C/L	P417223	
2343190	EPA 8321B	Aldicarb	0.020	UJ	ug/L	P417065	RPD
		Aldicarb Sulfone	0.0020	U	ug/L	P417065	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P417065	
		Carbaryl	0.0020	U	ug/L	P417065	
		Carbofuran	0.0020	U	ug/L	P417065	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P417065	
		Methiocarb	0.0020	U	ug/L	P417065	
		Methomyl	0.0020	U	ug/L	P417065	
		Oxamyl	0.0020	U	ug/L	P417065	
		Propoxur	0.0020	U	ug/L	P417065	
2343191		2,4-D	0.017		ug/L	P417136	MS
		Acesulfame K	0.10	U	ug/L	P416993	
		2,4,5-T	0.0040	U	ug/L	P417136	
		AMPA	0.55		ug/L	P416993	
		Sucralose	24		ug/L	P416993	
		Acetaminophen	0.0087	I	ug/L	P417136	
		Acetamiprid	0.0034	I	ug/L	P417136	
		Endothall	0.36	I	ug/L	P416993	
		Glufosinate	0.10	U	ug/L	P416993	
		Glyphosate	19		ug/L	P416993	
		Afidopyropen	0.0020	U	ug/L	P417136	
		Bentazon	0.14		ug/L	P417136	
		Benzovindiflupyr	0.0020	U	ug/L	P417136	
		Carbamazepine	0.033		ug/L	P417136	
		Clothianidin	0.0029	I	ug/L	P417136	
		Dinotefuran	0.033		ug/L	P417136	
		Diuron	0.0038	I	ug/L	P417136	
		Fenuron	0.032	U	ug/L	P417136	
		Fluridone	8.3E-04	I	ug/L	P417136	
		Imazapyr	0.13		ug/L	P417136	
		Hydrocodone	0.0020	U	ug/L	P417136	
		Ibuprofen	0.080	U	ug/L	P417136	

Field ID: G5SW0040

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343191	EPA 8321B	Imidacloprid	0.022		ug/L	P417136	
		Linuron	0.0048	I	ug/L	P417136	
		Mandestrobin	0.0020	U	ug/L	P417136	
		MCPD	0.0040	U	ug/L	P417136	
		Naproxen	0.0080	U	ug/L	P417136	
		Primidone	0.11		ug/L	P417136	
		Pyraclostrobin	0.0020	U	ug/L	P417136	
		Silvex	0.0040	U	ug/L	P417136	
		Thiamethoxam	0.0020	U	ug/L	P417136	MS
		Tolfenpyrad	0.0020	U	ug/L	P417136	
		Triclopyr	0.0040	U	ug/L	P417136	
2343192	EPA 8270E	Aldrin	0.69	U	ng/L	P417000	
		Alpha-BHC	0.11	U	ng/L	P417000	
		Alpha-Chlordane	0.29	I	ng/L	P417000	
		PCB-1016	2.1	U	ng/L	P417000	
		Beta-BHC	0.11	U	ng/L	P417000	
		PCB-1221	2.1	U	ng/L	P417000	
		Beta-Cyfluthrin	1.3	U	ng/L	P417000	
		PCB-1232	2.1	U	ng/L	P417000	
		Bifenthrin	0.53	U	ng/L	P417000	
		PCB-1242	2.1	U	ng/L	P417000	
		PCB-1248	2.1	U	ng/L	P417000	
		Chlorothalonil	1.3	U	ng/L	P417000	
		PCB-1254	2.1	U	ng/L	P417000	
		Cis-Nonachlor	0.21	U	ng/L	P417000	
		PCB-1260	2.1	U	ng/L	P417000	
		Cypermethrin	1.6	U	ng/L	P417000	
		Dacthal	0.16	U	ng/L	P417000	
		DDD-p,p'	0.27	U	ng/L	P417000	
		DDE-p,p'	0.23	I	ng/L	P417000	
		DDT-p,p'	0.27	U	ng/L	P417000	
		Delta-BHC	0.43	U	ng/L	P417000	
		Deltamethrin	1.3	U	ng/L	P417000	
		Dichlobenil	0.99	I	ng/L	P417000	
		Dicofol	1.3	U	ng/L	P417000	
		Dieldrin	0.81	I	ng/L	P417000	
		Endosulfan I	0.43	U	ng/L	P417000	
		Endosulfan II	0.43	U	ng/L	P417000	
		Endosulfan Sulfate	0.32	U	ng/L	P417000	
		Endrin	0.43	U	ng/L	P417000	
		Endrin Aldehyde	0.80	U	ng/L	P417000	
		Endrin Ketone	0.43	U	ng/L	P417000	
		Esfenvalerate	0.80	U	ng/L	P417000	
		Ethalfuralin	0.16	U	ng/L	P417000	
		Fenpropathrin	0.27	U	ng/L	P417000	

Field ID: G5SW0040

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343192	EPA 8270E	Gamma-BHC	0.13	U	ng/L	P417000	
		Gamma-Chlordane	0.32	I	ng/L	P417000	
		Heptachlor	0.21	U	ng/L	P417000	
		Heptachlor Epoxide	0.27	U	ng/L	P417000	
		Hexachlorobenzene**	1.1	U	ng/L	P417000	
		Kepone	5.3	U	ng/L	P417000	
		Lambda-Cyhalothrin	0.80	U	ng/L	P417000	
		Methoprene	0.80	U	ng/L	P417000	
		Methoxychlor	0.32	U	ng/L	P417000	
		MGK-264	4.9	J	ng/L	P417000	RPD
		Mirex	0.37	U	ng/L	P417000	
		Oxychlordane	0.32	U	ng/L	P417000	
		Permethrin	1.7	U	ng/L	P417000	
		Phenothrin	0.96	U	ng/L	P417000	
		Piperonyl Butoxide	30	J	ng/L	P417000	RPD
		Prallethrin	2.1	U	ng/L	P417000	
		Tau-Fluvalinate	0.27	U	ng/L	P417000	
		Tetramethrin	0.80	UJ	ng/L	P417000	MS
		Trans-Nonachlor	0.21	U	ng/L	P417000	
		Triclosan Methyl	0.16	U	ng/L	P417000	
		Trifluralin	0.21	U	ng/L	P417000	
		Chlordane	3.4	I	ng/L	P417000	
		Toxaphene	16	U	ng/L	P417000	
2343193	EPA 8270E	Oxybenzone**	10	U	ng/L	P417056	
		Acetochlor	0.25	U	ng/L	P417056	
		Octinoxate**	20	UJ	ng/L	P417056	RPD
		Alachlor	0.25	U	ng/L	P417056	
		Avobenzone**	100	U	ng/L	P417056	
		Ametryn	0.60	UJ	ng/L	P417056	RPD
		Atrazine	7.4		ng/L	P417056	
		PBDE-47**	4.0	U	ng/L	P417056	
		Atrazine Desethyl	1.5	U	ng/L	P417056	
		PBDE-99**	5.0	U	ng/L	P417056	
		Azinphos Methyl	2.0	U	ng/L	P417056	
		Tri-o-cresyl Phosphate**	6.0	U	ng/L	P417056	
		Azoxystrobin	0.97	I	ng/L	P417056	
		Bromacil	0.50	U	ng/L	P417056	
		2-Ethylhexyl	12	U	ng/L	P417056	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.40	U	ng/L	P417056	
		Caffeine**	20	I	ng/L	P417056	
		Carbophenothion	0.20	U	ng/L	P417056	
		Carfentrazone Ethyl	0.10	U	ng/L	P417056	
		Chlorfenapyr	0.17	U	ng/L	P417056	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P417056	

Field ID: G5SW0040

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343193	EPA 8270E	Chlorpyrifos Methyl	0.050	U	ng/L	P417056	
		Coumaphos	0.50	U	ng/L	P417056	
		Cyanazine	3.2	U	ng/L	P417056	
		Cyprodinil	0.10	U	ng/L	P417056	
		Demeton	1.5	U	ng/L	P417056	
		Diazinon	0.12	U	ng/L	P417056	
		Difenoconazole	0.60	U	ng/L	P417056	
		Dimethenamid	0.10	U	ng/L	P417056	
		Dimethomorph	0.43	I	ng/L	P417056	
		Disulfoton	0.50	U	ng/L	P417056	
		Dithiopyr	0.59	I	ng/L	P417056	
		EPTC	1.2	U	ng/L	P417056	
		Ethion	0.15	U	ng/L	P417056	
		Ethoprop	0.10	U	ng/L	P417056	
		Etridiazole	0.15	U	ng/L	P417056	
		Fenamiphos	0.50	U	ng/L	P417056	
		Fenbuconazole	0.12	U	ng/L	P417056	
		Fipronil	0.25	U	ng/L	P417056	
		Fipronil Desulfinyl**	0.14	IJ	ng/L	P417056	RPD
		Fipronil Sulfide	0.28	I	ng/L	P417056	
		Fipronil Sulfone	0.64		ng/L	P417056	
		Fluazifop-P-butyl	0.10	U	ng/L	P417056	
		Fludioxonil	0.12	U	ng/L	P417056	
		Flumioxazin	1.7	UJ	ng/L	P417056	RPD
		Flutolanil	0.36	I	ng/L	P417056	
		Fluxapyroxad	1.3		ng/L	P417056	
		Fonofos	0.20	U	ng/L	P417056	
		Hexazinone	0.75	I	ng/L	P417056	
		Imazalil	0.75	U	ng/L	P417056	
		Iprodione	0.60	U	ng/L	P417056	
		Loratadine**	0.36	IJ	ng/L	P417056	MS, RPD
		Malathion	0.49	I	ng/L	P417056	
		Metalaxyl	0.75	U	ng/L	P417056	
		Metolachlor	0.35	U	ng/L	P417056	
		Metribuzin	2.5	U	ng/L	P417056	
		Mevinphos	1.0	U	ng/L	P417056	
		Molinate	0.30	U	ng/L	P417056	
		Myclobutanil	0.28	I	ng/L	P417056	
		Naled	1.5	U	ng/L	P417056	
		Napropamide	0.40	U	ng/L	P417056	
		Norflurazon	0.50	U	ng/L	P417056	
		Oxadiazon	78		ng/L	P417056	
		Oxyfluorfen	0.15	U	ng/L	P417056	
		Parathion Ethyl	0.25	U	ng/L	P417056	
		Parathion Methyl	0.55	U	ng/L	P417056	

Field ID: G5SW0040

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343193	EPA 8270E	Pendimethalin	1.0	U	ng/L	P417056	
		Phenytion**	3.5	UJ	ng/L	P417056	MS, RPD
		Phorate	0.52	U	ng/L	P417056	
		Prodiamine	0.17	UJ	ng/L	P417056	RPD
		Prometon	0.90	U	ng/L	P417056	
		Prometryn	0.20	U	ng/L	P417056	
		Pronamide	0.15	U	ng/L	P417056	
		Propanil	0.12	U	ng/L	P417056	
		Propargite	1.5	UJ	ng/L	P417056	MS, RPD
		Propiconazole	0.55	I	ng/L	P417056	
		Pyraflufen Ethyl	0.25	U	ng/L	P417056	
		Pyridaben	0.45	U	ng/L	P417056	
		Pyriproxyfen	0.12	U	ng/L	P417056	
		Simazine	0.50	U	ng/L	P417056	
		Stirophos	0.12	UJ	ng/L	P417056	MS, RPD
		Sulfentrazone	4.2		ng/L	P417056	
		Tebuconazole	0.93	I	ng/L	P417056	
		Terbufos	0.10	U	ng/L	P417056	
		Terbuthylazine	0.42	U	ng/L	P417056	
		Thiobencarb	0.60	U	ng/L	P417056	
		Triadimefon	0.25	U	ng/L	P417056	
2343194	EPA 200.7 Rev. 4.4	Calcium	62.4		mg/L	P417017	
		Iron	73	I	ug/L	P417017	
		Magnesium	12.9		mg/L	P417017	
		Potassium	11.2		mg/L	P417017	
		Sodium	88.1		mg/L	P417017	
		Strontium	208		ug/L	P417017	
		Tin	3.0	U	ug/L	P417017	
		Titanium	2.1	I	ug/L	P417017	
		Vanadium	2.0	U	ug/L	P417017	
		Zinc	7.0	I	ug/L	P417017	
	EPA 200.8 Rev. 5.4	Aluminum	78		ug/L	P417017	
		Antimony	0.17	I	ug/L	P417017	
		Arsenic	3.76		ug/L	P417017	
		Barium	10.0		ug/L	P417017	
		Beryllium	0.010	U	ug/L	P417017	
		Boron	127		ug/L	P417017	
		Cadmium	0.020	U	ug/L	P417017	
		Chromium	0.40	U	ug/L	P417017	
		Cobalt	0.116		ug/L	P417017	
		Copper	1.72		ug/L	P417017	
		Lead	0.30	I	ug/L	P417017	
		Manganese	120		ug/L	P417017	
		Molybdenum	0.75		ug/L	P417017	
		Nickel	0.88	I	ug/L	P417017	

Field ID: G5SW0040

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343194	EPA 200.8 Rev. 5.4	Selenium	0.20	U	ug/L	P417017	
		Silver	0.010	U	ug/L	P417017	
		Thallium	0.10	U	ug/L	P417017	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

EPA 351.2 Rev. 2.0: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.

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

EPA 8270E: MS accuracy for piperonyl butoxide and MGK-264 not assessed due to high content of these parameters in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

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

EPA 8270E: MS accuracy for atrazine and oxadiazon 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.

Sample Location: Salt Springs

Collection Date/Time: 07/20/2022 13:00

Field ID: G5SW0158

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343186	EPA 180.1 Rev. 2.0	Turbidity	6.8		NTU	P417012	
	SM 2320 B-2011	Total Alkalinity	151		mg CaCO3/L	P417217	
	SM 2540 D-2011	TSS	12	A	mg/L	P417483	
	SM 4500-F- C-2011	Fluoride	0.25		mg F/L	P417220	
2343187	EPA 350.1 Rev. 2.0	Ammonia-N	0.013		mg N/L	P417313	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.69		mg N/L	P417235	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P417166	
	EPA 365.1 Rev. 2.0	Total-P	0.077		mg P/L	P417096	
	SM 5310 B-2011	Organic Carbon	7.3		mg C/L	P417158	

Sample Location: Salt Springs

Collection Date/Time: 07/20/2022 13:00

Field ID: G5SW0158

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2343195	EPA 200.7 Rev. 4.4	Calcium	135		mg/L	P417137	
		Iron	400		ug/L	P417137	
		Magnesium	184		mg/L	P417137	
		Potassium	55.3		mg/L	P417137	
		Sodium	1.58E+03		mg/L	P417137	
		Strontium	2.06E+03		ug/L	P417137	
	EPA 200.8 Rev. 5.4	Tin	60	U	ug/L	P417137	
		Titanium	2.7	I	ug/L	P417137	
		Vanadium	6.0	U	ug/L	P417137	
		Zinc	15	U	ug/L	P417137	
		Aluminum	52	I	ug/L	P417137	
		Antimony	0.20	U	ug/L	P417137	
		Arsenic	3.88		ug/L	P417137	
		Barium	16.3		ug/L	P417137	
		Beryllium	0.040	U	ug/L	P417137	
		Boron	627		ug/L	P417137	
		Cadmium	0.080	U	ug/L	P417137	
		Chromium	1.6	U	ug/L	P417137	
		Cobalt	0.080	U	ug/L	P417137	
		Copper	1.6	U	ug/L	P417137	
		Lead	0.80	U	ug/L	P417137	
		Manganese	22.2		ug/L	P417137	
		Molybdenum	3.9		ug/L	P417137	
		Nickel	2.0	U	ug/L	P417137	
		Selenium	0.80	U	ug/L	P417137	
		Silver	0.040	U	ug/L	P417137	
		Thallium	0.40	U	ug/L	P417137	

Ref. Method and Comment:

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for calcium, magnesium, potassium, sodium and strontium are unavailable because of high analyte concentration in the QC sample.

EPA 200.8 Rev. 5.4: Batch matrix spike recoveries for boron are unavailable because of high analyte concentration in the QC sample.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P417014

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P417011

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P417012

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P417017

Component	Result	Code	Units
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
Strontium	2.0	U	ug/L
Tin	3.0	U	ug/L
Titanium	0.75	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P417137

Component	Result	Code	Units
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
Strontium	2.0	U	ug/L
Tin	3.0	U	ug/L
Titanium	0.75	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P417017

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Barium	0.20	U	ug/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P417017

Component	Result	Code	Units
Beryllium	0.010	U	ug/L
Boron	2.0	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.40	U	ug/L
Cobalt	0.020	U	ug/L
Copper	0.40	U	ug/L
Lead	0.20	U	ug/L
Manganese	0.10	U	ug/L
Molybdenum	0.15	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 200.8 Rev. 5.4
Batch ID: P417137

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Barium	0.20	U	ug/L
Beryllium	0.010	U	ug/L
Boron	2.0	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.40	U	ug/L
Cobalt	0.020	U	ug/L
Copper	0.40	U	ug/L
Lead	0.20	U	ug/L
Manganese	0.10	U	ug/L
Molybdenum	0.15	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: P417383

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417259

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417313

Component	Result	Code	Units
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Quality Assurance Report Method Blank Results

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417313

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P417235

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P417236

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417166

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417228

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417094

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417096

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

Reference Method: EPA 8270E
Batch ID: P417000

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P417000

Component	Result	Code	Units
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	1.2	U	ng/L
Chlorothalonil	1.2	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
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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P417000

Component	Result	Code	Units
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
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P417056

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
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
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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P417056

Component	Result	Code	Units
Dithiopyr	0.18	U	ng/L
Dithiopyr	0.18	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
Flumioxazin	1.8	U	ng/L
Flumioxazin	1.8	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	0.10	U	ng/L
Loratadine	0.10	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.75	U	ng/L
Metalaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	2.5	U	ng/L
Metribuzin	2.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L

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Method Blank Results

Reference Method: EPA 8270E

Batch ID: P417056

Component	Result	Code	Units
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
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytoin	3.5	U	ng/L
Phenytoin	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiamine	0.18	U	ng/L
Prodiamine	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
Pronamide	0.15	U	ng/L
Pronamide	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

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Method Blank Results

Reference Method: EPA 8270E

Batch ID: P417056

Component	Result	Code	Units
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
Terbuthylazine	0.42	U	ng/L
Terbuthylazine	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 8276

Batch ID: P417000

Component	Result	Code	Units
Chlordane	2.5	U	ng/L
Chlordane	2.5	U	ng/L
Toxaphene	15	U	ng/L
Toxaphene	15	U	ng/L

Reference Method: EPA 8321B

Batch ID: P416993

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: P417065

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: P417065

Component	Result	Code	Units
Propoxur	0.0020	U	ug/L

Reference Method: EPA 8321B
Batch ID: P417136

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	0.0040	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: SM 2320 B-2011
Batch ID: P417217

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

Reference Method: SM 2320 B-2011
Batch ID: P417354

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

Reference Method: SM 2540 C-2011
Batch ID: P417490

Component	Result	Code	Units
TDS	15	U	mg/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 D-2011
Batch ID: P417478

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P417483

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P417220

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 4500-F- C-2011
Batch ID: P417356

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P417158

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

Reference Method: SM 5310 B-2011
Batch ID: P417223

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: P417014

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.2		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P417011

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	96.4		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P417012

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P417017

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	103		P	85 - 115
Iron	103		P	85 - 115
Magnesium	102		P	85 - 115
Potassium	102		P	85 - 115
Sodium	102		P	85 - 115
Strontium	106		P	85 - 115
Tin	102		P	85 - 115
Titanium	102		P	85 - 115
Vanadium	101		P	85 - 115
Zinc	99.5		P	85 - 115

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P417137

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	105		P	85 - 115
Iron	106		P	85 - 115
Magnesium	104		P	85 - 115
Potassium	103		P	85 - 115
Sodium	104		P	85 - 115
Strontium	109		P	85 - 115
Tin	106		P	85 - 115
Titanium	105		P	85 - 115
Vanadium	104		P	85 - 115
Zinc	103		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P417017

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	98.8		P	85 - 115
Antimony	95.9		P	85 - 115
Arsenic	96.3		P	85 - 115
Barium	99.2		P	85 - 115

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P417017

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Beryllium	91.5		P	85 - 115
Boron	104		P	85 - 115
Cadmium	94.8		P	85 - 115
Chromium	94.7		P	85 - 115
Cobalt	97.3		P	85 - 115
Copper	96.3		P	85 - 115
Lead	98.8		P	85 - 115
Manganese	95.2		P	85 - 115
Molybdenum	94.8		P	85 - 115
Nickel	97.5		P	85 - 115
Selenium	94.1		P	85 - 115
Silver	100		P	85 - 115
Thallium	97.7		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P417137

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	99.0		P	85 - 115
Antimony	96.6		P	85 - 115
Arsenic	98.8		P	85 - 115
Barium	100		P	85 - 115
Beryllium	85.5		P	85 - 115
Boron	107		P	85 - 115
Cadmium	96.2		P	85 - 115
Chromium	97.4		P	85 - 115
Cobalt	96.8		P	85 - 115
Copper	97.6		P	85 - 115
Lead	99.6		P	85 - 115
Manganese	97.1		P	85 - 115
Molybdenum	96.5		P	85 - 115
Nickel	96.0		P	85 - 115
Selenium	95.5		P	85 - 115
Silver	101		P	85 - 115
Thallium	101		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P417383

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	98.7		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417259

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	96.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417313

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

Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417313

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	96.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P417235

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P417236

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	109		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417166

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417228

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417094

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417096

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

Reference Method: EPA 8270E
Batch ID: P417000

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	50.6		P	10 - 92.0
Alpha-BHC	89.9		P	75 - 107
Alpha-Chlordane	77.7		P	50 - 108
Beta-BHC	98.1		P	36 - 138
Beta-Cyfluthrin	74.1		P	20 - 161
Bifenthrin	53.3		P	10 - 119
Chlorothalonil	49.8		P	26 - 186
Cis-Nonachlor	66.4		P	42 - 119
Cypermethrin	71.9		P	22 - 150
Dacthal	86.2		P	72 - 119

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P417000

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
DDD-p,p'	79.4		P	45 - 107
DDE-p,p'	76.6		P	48 - 106
DDT-p,p'	71.5		P	48 - 110
Delta-BHC	96.5		P	54 - 140
Deltamethrin	82.6		P	22 - 189
Dichlobenil	98.5		P	36 - 117
Dicofol	81.7		P	46 - 155
Dieldrin	85.2		P	54 - 110
Endosulfan I	80.0		P	59 - 105
Endosulfan II	85.1		P	51 - 118
Endosulfan Sulfate	86.6		P	57 - 121
Endrin	85.8		P	10 - 120
Endrin Aldehyde	76.9		P	34 - 118
Endrin Ketone	97.7		P	69 - 177
Esfenvalerate	66.2		P	23 - 168
Ethalfuralin	69.8		P	49 - 99.0
Fenpropathrin	72.0		P	34 - 117
Gamma-BHC	91.8		P	72 - 117
Gamma-Chlordane	78.6		P	43 - 106
Heptachlor	66.5		P	41 - 98.0
Heptachlor Epoxide	83.2		P	57 - 106
Hexachlorobenzene	76.3		P	36 - 99.0
Kepone	29.3		P	16 - 215
Lambda-Cyhalothrin	60.5		P	21 - 177
Methoprene	53.8		P	10 - 119
Methoxychlor	77.6		P	60 - 112
MGK-264	90.1		P	26 - 122
Mirex	55.8		P	10 - 169
Oxychlordane	75.9		P	43 - 105
PCB-1016	87.4		P	48 - 112
PCB-1260	89.5		P	44 - 118
Permethrin	76.7		P	24 - 148
Phenothrin	51.7		P	10 - 106
Piperonyl Butoxide	132		P	10 - 139
Prallethrin	80.4		P	17 - 109
Tau-Fluvalinate	60.3		P	13 - 131
Tetramethrin	109		P	10 - 132
Trans-Nonachlor	79.2		P	44 - 106
Triclosan Methyl	86.9		P	59 - 109
Trifluralin	67.7		P	44 - 101

Reference Method: EPA 8270E
Batch ID: P417056

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	92.8		P	50 - 150
Acetochlor	103		P	70 - 121
Alachlor	95.0		P	68 - 119
Ametryn	96.1		P	64 - 139
Atrazine	91.4		P	76 - 120
Atrazine Desethyl	56.7		P	44 - 126
Avobenzone	90.2		P	76 - 212

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P417056

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Azinphos Methyl	118		P	43 - 192
Azoxystrobin	103		P	36 - 224
Bromacil	75.4		P	52 - 121
Butylate	52.0		P	28 - 91.0
Caffeine	81.1		P	50 - 134
Carbophenothion	83.9		P	56 - 129
Carfentrazone Ethyl	108		P	60 - 141
Chlorfenapyr	89.7		P	56 - 115
Chlorpyrifos Ethyl	87.0		P	60 - 118
Chlorpyrifos Methyl	91.0		P	68 - 119
Coumaphos	97.6		P	18 - 250
Cyanazine	136		P	61 - 250
Cyprodinil	96.6		P	55 - 145
Demeton	118		P	30 - 159
Diazinon	115		P	70 - 123
Difenoconazole	97.9		P	49 - 204
Dimethenamid	80.5		P	64 - 115
Dimethomorph	128		P	12 - 219
Disulfoton	83.9		P	44 - 125
Dithiopyr	101		P	64 - 115
EPTC	49.5		P	28 - 86.0
Ethion	68.0		P	33 - 125
Ethoprop	88.9		P	64 - 116
Etridiazole	57.4		P	34 - 91.0
Fenamiphos	85.4		P	12 - 127
Fenbuconazole	106		P	59 - 151
Fipronil	103		P	67 - 129
Fipronil Desulfinyl	107		P	65 - 127
Fipronil Sulfide	89.9		P	61 - 116
Fipronil Sulfone	90.5		P	55 - 117
Fluazifop-P-butyl	105		P	62 - 127
Fludioxonil	99.2		P	62 - 128
Flumioxazin	136		P	33 - 250
Flutolanil	114		P	56 - 127
Fluxapyroxad	100		P	45 - 128
Fonofos	87.0		P	62 - 111
Hexazinone	91.3		P	46 - 139
Imazalil	95.7		P	38 - 142
Iprodione	104		P	47 - 135
Loratadine	98.7		P	10 - 244
Malathion	92.1		P	61 - 139
Metaxyl	95.5		P	10 - 119
Metolachlor	101		P	65 - 118
Metribuzin	88.9		P	51 - 250
Mevinphos	71.3		P	53 - 121
Molinate	62.1		P	42 - 96.0
Myclobutanil	98.2		P	55 - 128
Naled	69.6		P	10 - 98.0
Napropamide	91.5		P	49 - 121
Norflurazon	105		P	61 - 126
Octinoxate	86.8		P	30 - 159
Oxadiazon	97.7		P	59 - 116

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P417056

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Oxybenzone	80.2		P	61 - 139
Oxyfluorfen	119		P	64 - 137
Parathion Ethyl	81.7		P	70 - 112
Parathion Methyl	97.5		P	76 - 133
PBDE-47	91.4		P	50 - 150
PBDE-99	84.5		P	50 - 150
Pendimethalin	94.0		P	52 - 117
Phenytoin	27.1		P	10 - 199
Phorate	80.4		P	48 - 121
Prodiamine	41.0		P	26 - 142
Prometon	84.9		P	43 - 123
Prometryn	93.9		P	66 - 127
Pronamide	95.5		P	75 - 121
Propanil	88.5		P	45 - 150
Propargite	86.6		P	42 - 208
Propiconazole	94.7		P	60 - 125
Pyraflufen Ethyl	97.4		P	70 - 138
Pyridaben	94.3		P	35 - 245
Pyriproxyfen	95.2		P	30 - 149
Simazine	78.9		P	72 - 125
Stirophos	67.7		P	29 - 164
Sulfentrazone	56.5		P	21 - 139
Tebuconazole	75.0		P	10 - 115
Terbufos	112		P	60 - 123
Terbuthylazine	89.1		P	72 - 115
Thiobencarb	91.6		P	31 - 139
Tri-o-cresyl Phosphate	86.0		P	50 - 150
Triadimefon	86.3		P	65 - 116

Reference Method: EPA 8276

Batch ID: P417000

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	109		P	61 - 116
Toxaphene	113		P	48 - 124

Reference Method: EPA 8321B

Batch ID: P416993

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	71.7		P	40 - 150
AMPA	108		P	40 - 150
Endothall	92.1		P	40 - 150
Glufosinate	120		P	40 - 150
Glyphosate	102		P	40 - 150
Sucralose	93.7		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P417065

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	96.4		P	40 - 150

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P417065

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldicarb	77.2		P	30 - 150
Aldicarb Sulfone	101		P	40 - 150
Aldicarb Sulfoxide	110		P	40 - 150
Carbaryl	82.1		P	40 - 150
Carbofuran	91.7		P	40 - 150
Methiocarb	93.7		P	40 - 150
Methomyl	105		P	40 - 150
Oxamyl	98.5		P	40 - 150
Propoxur	76.5		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P417136

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	86.2		P	40 - 150
2,4,5-T	76.7		P	40 - 150
Acetaminophen	90.2		P	30 - 150
Acetamiprid	73.6		P	40 - 150
Afidopyropen	73.4		P	30 - 150
Bentazon	96.3		P	30 - 150
Benzovindiflupyr	88.8		P	40 - 150
Carbamazepine	89.2		P	40 - 150
Clothianidin	96.2		P	40 - 150
Dinotefuran	98.7		P	40 - 150
Diuron	72.1		P	40 - 150
Fenuron	101		P	40 - 150
Fluridone	92.3		P	40 - 150
Hydrocodone	91.4		P	40 - 150
Ibuprofen	113		P	40 - 150
Imazapyr	74.7		P	40 - 150
Imidacloprid	102		P	40 - 150
Linuron	91.1		P	40 - 150
Mandestrobin	83.8		P	40 - 150
MCPP	97.4		P	40 - 150
Naproxen	99.7		P	40 - 150
Primidone	90.3		P	40 - 150
Pyraclostrobin	76.2		P	40 - 150
Silvex	55.4		P	40 - 150
Thiamethoxam	95.0		P	40 - 150
Tolfenpyrad	41.8		P	30 - 150
Triclopyr	72.7		P	40 - 150

Reference Method: SM 2320 B-2011

Batch ID: P417217

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	94 - 106

Reference Method: SM 2320 B-2011

Batch ID: P417354

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

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P417354

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.1		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P417220

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	101		P	96 - 104

Reference Method: SM 4500-F- C-2011
Batch ID: P417356

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

Reference Method: SM 5310 B-2011
Batch ID: P417158

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.1		P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P417223

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.6		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P417017

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343204	Calcium	103		P	80 - 120
2343204	Iron	104	102	P/P	80 - 120
2343204	Magnesium	104	99.9	P/P	80 - 120
2343204	Potassium	104	102	P/P	80 - 120
2343204	Sodium	102		P	80 - 120
2343204	Strontium	108	106	P/P	80 - 120
2343204	Tin	103	100	P/P	80 - 120
2343204	Titanium	104	101	P/P	80 - 120
2343204	Vanadium	104	100	P/P	80 - 120
2343204	Zinc	104	99.6	P/P	80 - 120
2343291	Calcium	108		P	80 - 120
2343291	Iron	110		P	80 - 120
2343291	Magnesium	108		P	80 - 120
2343291	Potassium	105		P	80 - 120
2343291	Sodium	108		P	80 - 120
2343291	Strontium	110		P	80 - 120
2343291	Tin	106		P	80 - 120
2343291	Titanium	107		P	80 - 120
2343291	Vanadium	107		P	80 - 120
2343291	Zinc	106		P	80 - 120

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P417137

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343227	Iron	109	109	P/P	80 - 120
2343227	Tin	108	113	P/P	80 - 120
2343227	Titanium	114	115	P/P	80 - 120
2343227	Vanadium	104	103	P/P	80 - 120
2343227	Zinc	104	104	P/P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P417017

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343204	Aluminum	97.2	99.6	P/P	80 - 120
2343204	Antimony	95.4	97.3	P/P	80 - 120
2343204	Arsenic	95.5	97.7	P/P	80 - 120
2343204	Barium	98.9	100	P/P	80 - 120
2343204	Beryllium	90.5	91.8	P/P	80 - 120
2343204	Boron	103	103	P/P	80 - 120
2343204	Cadmium	94.2	94.8	P/P	80 - 120
2343204	Chromium	96.1	97.4	P/P	80 - 120
2343204	Cobalt	97.0	97.2	P/P	80 - 120
2343204	Copper	96.1	97.2	P/P	80 - 120
2343204	Lead	99.2	100	P/P	80 - 120
2343204	Manganese	96.5	97.0	P/P	80 - 120
2343204	Molybdenum	96.8	98.4	P/P	80 - 120
2343204	Nickel	97.7	98.8	P/P	80 - 120
2343204	Selenium	93.9	96.6	P/P	80 - 120
2343204	Silver	99.5	103	P/P	80 - 120
2343204	Thallium	99.4	101	P/P	80 - 120

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P417017

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343291	Aluminum	100		P	80 - 120
2343291	Antimony	95.6		P	80 - 120
2343291	Arsenic	96.5		P	80 - 120
2343291	Barium	99.3		P	80 - 120
2343291	Beryllium	91.4		P	80 - 120
2343291	Boron	105		P	80 - 120
2343291	Cadmium	94.7		P	80 - 120
2343291	Chromium	94.6		P	80 - 120
2343291	Cobalt	96.6		P	80 - 120
2343291	Copper	97.4		P	80 - 120
2343291	Lead	99.0		P	80 - 120
2343291	Manganese	96.1		P	80 - 120
2343291	Molybdenum	95.1		P	80 - 120
2343291	Nickel	96.5		P	80 - 120
2343291	Selenium	93.4		P	80 - 120
2343291	Silver	99.8		P	80 - 120
2343291	Thallium	96.9		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P417137

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343227	Aluminum	99.1	98.7	P/P	70 - 130
2343227	Antimony	106	103	P/P	70 - 130
2343227	Arsenic	113	110	P/P	70 - 130
2343227	Barium	101	101	P/P	70 - 130
2343227	Beryllium	103	101	P/P	70 - 130
2343227	Cadmium	99.2	97.7	P/P	70 - 130
2343227	Chromium	106	104	P/P	70 - 130
2343227	Cobalt	106	106	P/P	70 - 130
2343227	Copper	102	101	P/P	70 - 130
2343227	Lead	101	101	P/P	70 - 130
2343227	Manganese	101	100	P/P	70 - 130
2343227	Molybdenum	106	106	P/P	70 - 130
2343227	Nickel	106	105	P/P	70 - 130
2343227	Selenium	104	103	P/P	70 - 130
2343227	Silver	97.4	96.5	P/P	70 - 130
2343227	Thallium	101	102	P/P	70 - 130

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P417383

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343105	Chloride	94.3		P	90 - 110
2343245	Chloride	94.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P417259

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343094	Ammonia-N	98.4	100	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417313

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2342195	Ammonia-N	105	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P417235

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343341	Kjeldahl Nitrogen	93.8	93.7	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417166

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2342782	NO2NO3-N	106	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417228

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343169	NO2NO3-N	99.5	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417094

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2342042	Total-P	102	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417096

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343187	Total-P	103	105	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P417000

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2342814	PCB-1016	95.2	90.7	P/P	46 - 111
2342814	PCB-1260	96.7	96.9	P/P	45 - 114
2343192	Aldrin	64.2	59.7	P/P	20 - 82.0
2343192	Alpha-BHC	91.0	93.6	P/P	71 - 109
2343192	Alpha-Chlordane	69.7	63.5	P/P	42 - 106
2343192	Beta-BHC	94.6	104	P/P	69 - 180
2343192	Beta-Cyfluthrin	117	120	P/P	18 - 175
2343192	Bifenthrin	104	107	P/P	21 - 128
2343192	Chlorothalonil	182	215	P/P	10 - 300
2343192	Cis-Nonachlor	69.7	65.3	P/P	34 - 106
2343192	Cypermethrin	105	115	P/P	22 - 158
2343192	Dacthal	82.2	96.5	P/P	54 - 116
2343192	DDD-p,p'	63.5	61.4	P/P	34 - 107
2343192	DDE-p,p'	59.5	52.9	P/P	33 - 110
2343192	DDT-p,p'	67.4	70.2	P/P	50 - 122
2343192	Delta-BHC	105	113	P/P	77 - 193

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P417000

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343192	Deltamethrin	120	125	P/P	10 - 195
2343192	Dichlobenil	62.1	70.1	P/P	25 - 113
2343192	Dicofol	94.5	105	P/P	38 - 247
2343192	Dieldrin	68.9	62.8	P/P	45 - 118
2343192	Endosulfan I	81.8	78.7	P/P	51 - 106
2343192	Endosulfan II	65.8	68.7	P/P	37 - 122
2343192	Endosulfan Sulfate	83.6	74.4	P/P	43 - 132
2343192	Endrin	73.2	75.3	P/P	29 - 101
2343192	Endrin Aldehyde	32.6	30.9	P/P	19 - 110
2343192	Endrin Ketone	86.3	85.0	P/P	60 - 140
2343192	Esfenvalerate	115	120	P/P	26 - 199
2343192	Ethalfuralin	67.9	71.8	P/P	45 - 99.0
2343192	Fenpropathrin	103	91.5	P/P	35 - 120
2343192	Gamma-BHC	97.8	104	P/P	63 - 128
2343192	Gamma-Chlordane	63.3	64.0	P/P	40 - 104
2343192	Heptachlor	67.7	68.6	P/P	36 - 97.0
2343192	Heptachlor Epoxide	72.8	72.2	P/P	49 - 184
2343192	Hexachlorobenzene	69.0	72.2	P/P	39 - 96.0
2343192	Kepone	44.2	50.2	P/P	10 - 217
2343192	Lambda-Cyhalothrin	110	115	P/P	21 - 193
2343192	Methoprene	75.0	58.9	P/P	20 - 106
2343192	Methoxychlor	83.0	96.9	P/P	53 - 118
2343192	Mirex	65.7	56.3	P/P	26 - 92.0
2343192	Oxychlordane	72.8	71.6	P/P	44 - 99.0
2343192	Permethrin	110	104	P/P	33 - 182
2343192	Phenothrin	101	129	P/P	10 - 129
2343192	Prallethrin	72.9	69.5	P/P	24 - 113
2343192	Tau-Fluvalinate	107	111	P/P	14 - 149
2343192	Tetramethrin	144	156	P/F	17 - 151
2343192	Trans-Nonachlor	71.3	78.0	P/P	42 - 102
2343192	Triclosan Methyl	83.5	85.1	P/P	48 - 108
2343192	Trifluralin	68.4	69.2	P/P	47 - 96.0

Reference Method: EPA 8270E

Batch ID: P417056

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343193	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	88.6	73.3	P/P	50 - 150
2343193	Acetochlor	92.5	79.2	P/P	65 - 124
2343193	Alachlor	84.5	82.6	P/P	61 - 121
2343193	Ametryn	104	71.8	P/P	52 - 216
2343193	Atrazine Desethyl	58.4	41.2	P/P	15 - 160
2343193	Avobenzene	93.2	80.0	P/P	59 - 206
2343193	Azinphos Methyl	100	82.1	P/P	40 - 292
2343193	Azoxystrobin	142	99.4	P/P	12 - 242
2343193	Bromacil	71.3	57.7	P/P	54 - 167
2343193	Butylate	52.9	43.7	P/P	14 - 94.0
2343193	Caffeine	104	94.4	P/P	10 - 226
2343193	Carbophenothion	77.4	64.7	P/P	49 - 122
2343193	Carfentrazone Ethyl	83.7	66.4	P/P	53 - 138
2343193	Chlorfenapyr	80.1	64.8	P/P	50 - 150
2343193	Chlorpyrifos Ethyl	72.7	65.4	P/P	52 - 122

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P417056

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343193	Chlorpyrifos Methyl	79.6	68.5	P/P	66 - 117
2343193	Coumaphos	80.8	59.9	P/P	50 - 220
2343193	Cyanazine	131	109	P/P	43 - 245
2343193	Cyprodinil	90.1	83.1	P/P	50 - 150
2343193	Demeton	123	111	P/P	43 - 188
2343193	Diazinon	107	92.5	P/P	69 - 131
2343193	Difenoconazole	97.8	122	P/P	34 - 231
2343193	Dimethenamid	75.0	59.9	P/P	55 - 118
2343193	Dimethomorph	128	101	P/P	50 - 150
2343193	Disulfoton	86.3	75.5	P/P	38 - 141
2343193	Dithiopyr	78.8	68.2	P/P	42 - 116
2343193	EPTC	56.6	43.5	P/P	18 - 85.0
2343193	Ethion	65.5	28.5	P/P	10 - 131
2343193	Ethoprop	104	92.6	P/P	65 - 129
2343193	Etridiazole	66.4	51.6	P/P	50 - 150
2343193	Fenamiphos	71.6	83.4	P/P	31 - 137
2343193	Fenbuconazole	91.0	71.9	P/P	57 - 160
2343193	Fipronil	93.7	78.9	P/P	62 - 132
2343193	Fipronil Desulfinyl	99.1	73.7	P/P	57 - 131
2343193	Fipronil Sulfide	82.5	75.0	P/P	15 - 138
2343193	Fipronil Sulfone	89.1	65.0	P/P	21 - 134
2343193	Fluazifop-P-butyl	98.9	84.7	P/P	54 - 133
2343193	Fludioxonil	95.8	80.4	P/P	58 - 127
2343193	Flumioxazin	135	90.6	P/P	33 - 300
2343193	Flutolanil	93.5	73.1	P/P	42 - 130
2343193	Fluxapyroxad	90.8	63.7	P/P	23 - 141
2343193	Fonofos	92.0	84.0	P/P	58 - 119
2343193	Hexazinone	86.2	73.6	P/P	68 - 172
2343193	Imazalil	123	113	P/P	48 - 283
2343193	Iprodione	82.3	71.6	P/P	38 - 140
2343193	Loratadine	120	212	P/F	50 - 150
2343193	Malathion	86.5	74.7	P/P	40 - 137
2343193	Metalaxyl	91.6	63.9	P/P	21 - 129
2343193	Metolachlor	91.3	70.9	P/P	55 - 122
2343193	Metribuzin	93.4	88.1	P/P	38 - 187
2343193	Mevinphos	75.9	74.7	P/P	54 - 134
2343193	Molinate	69.5	54.3	P/P	41 - 97.0
2343193	Myclobutanil	91.6	76.3	P/P	56 - 125
2343193	Naled	65.8	58.3	P/P	10 - 108
2343193	Napropamide	78.4	60.0	P/P	50 - 150
2343193	Norflurazon	92.8	73.6	P/P	32 - 122
2343193	Octinoxate	141	76.8	P/P	25 - 150
2343193	Oxybenzone	101	95.2	P/P	59 - 147
2343193	Oxyfluorfen	116	91.3	P/P	61 - 153
2343193	Parathion Ethyl	86.7	77.3	P/P	59 - 130
2343193	Parathion Methyl	104	98.6	P/P	65 - 155
2343193	PBDE-47	76.2	64.4	P/P	50 - 150
2343193	PBDE-99	71.4	57.9	P/P	50 - 150
2343193	Pendimethalin	102	97.2	P/P	49 - 138
2343193	Phenytol	48.4	13.2	F/F	50 - 200
2343193	Phorate	90.4	81.7	P/P	54 - 161
2343193	Prodiamine	48.5	94.0	P/P	33 - 161

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P417056

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343193	Prometon	88.9	76.6	P/P	48 - 140
2343193	Prometryn	72.3	55.0	P/P	55 - 134
2343193	Pronamide	93.7	87.4	P/P	66 - 137
2343193	Propanil	86.1	69.1	P/P	50 - 150
2343193	Propargite	71.5	48.8	P/F	50 - 200
2343193	Propiconazole	95.1	71.4	P/P	36 - 150
2343193	Pyraflufen Ethyl	83.0	70.9	P/P	50 - 150
2343193	Pyridaben	79.1	66.3	P/P	50 - 200
2343193	Pyriproxyfen	84.5	53.1	P/P	10 - 165
2343193	Simazine	82.4	69.3	P/P	57 - 145
2343193	Stirophos	50.5	21.0	P/F	50 - 150
2343193	Sulfentrazone	65.7	45.9	P/P	34 - 140
2343193	Tebuconazole	65.5	41.6	P/P	10 - 127
2343193	Terbufos	120	114	P/P	59 - 138
2343193	Terbuthylazine	86.4	79.9	P/P	68 - 119
2343193	Thiobencarb	81.8	66.9	P/P	50 - 150
2343193	Tri-o-cresyl Phosphate	77.1	67.1	P/P	50 - 150
2343193	Triadimefon	85.7	64.3	P/P	50 - 150

Reference Method: EPA 8276

Batch ID: P417000

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2342814	Chlordane	110	102	P/P	53 - 126
2342814	Toxaphene	110	103	P/P	56 - 211

Reference Method: EPA 8321B

Batch ID: P416993

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343069	Acesulfame K	62.4	64.3	P/P	40 - 150
2343069	AMPA	46.7	44.3	P/P	40 - 150
2343069	Endothall	117	116	P/P	40 - 150
2343069	Glufosinate	32.0	34.3	F/F	40 - 150
2343069	Glyphosate	58.1	59.3	P/P	40 - 150
2343069	Sucralose	90.0	93.6	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P417065

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343190	3-Hydroxycarbofuran	103	80.0	P/P	40 - 150
2343190	Aldicarb	59.5	38.2	P/P	30 - 150
2343190	Aldicarb Sulfone	119	97.2	P/P	40 - 150
2343190	Aldicarb Sulfoxide	45.2	51.1	P/P	40 - 150
2343190	Carbaryl	67.5	55.7	P/P	40 - 150
2343190	Carbofuran	78.0	63.6	P/P	40 - 150
2343190	Methiocarb	81.8	60.8	P/P	40 - 150
2343190	Methomyl	79.1	68.3	P/P	40 - 150
2343190	Oxamyl	83.3	68.8	P/P	40 - 150
2343190	Propoxur	65.7	50.1	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P417136

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343511	2,4-D	91.6	73.6	P/P	40 - 150
2343511	2,4,5-T	72.4	69.6	P/P	40 - 150
2343511	Acetaminophen	116	110	P/P	30 - 150
2343511	Acetamiprid	92.9	80.0	P/P	40 - 150
2343511	Afidopyropen	86.2	68.9	P/P	30 - 150
2343511	Benzovindiflupyr	104	91.8	P/P	40 - 150
2343511	Carbamazepine	114	104	P/P	40 - 150
2343511	Clothianidin	105	104	P/P	40 - 150
2343511	Dinotefuran	140	133	P/P	40 - 150
2343511	Diuron	76.4	75.8	P/P	40 - 150
2343511	Fenuron	95.6	87.7	P/P	40 - 150
2343511	Hydrocodone	103	100	P/P	40 - 150
2343511	Ibuprofen	90.5	82.2	P/P	40 - 150
2343511	Imazapyr	76.7	66.5	P/P	40 - 150
2343511	Linuron	96.1	92.2	P/P	40 - 150
2343511	Mandestrobin	83.6	74.7	P/P	40 - 150
2343511	MCCP	92.7	81.5	P/P	40 - 150
2343511	Naproxen	88.4	92.5	P/P	40 - 150
2343511	Primidone	102	99.6	P/P	40 - 150
2343511	Pyraclostrobin	91.9	84.3	P/P	40 - 150
2343511	Silvex	88.9	71.9	P/P	40 - 150
2343511	Thiamethoxam	152	143	F/P	40 - 150
2343511	Tolfenpyrad	52.3	46.9	P/P	30 - 150
2343511	Triclopyr	74.6	68.2	P/P	40 - 150

Reference Method: SM 4500-F- C-2011

Batch ID: P417220

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343211	Fluoride	99.4	98.6	P/P	94 - 104

Reference Method: SM 4500-F- C-2011

Batch ID: P417356

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2342914	Fluoride	103	103	P/P	94 - 104

Reference Method: SM 5310 B-2011

Batch ID: P417158

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2341796	Organic Carbon	91.1	90.3	P/P	85 - 115

Reference Method: SM 5310 B-2011

Batch ID: P417223

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2343200	Organic Carbon	95.6	96.6	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P417014

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343251	Color (true)	1.53	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P417011

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343033	Turbidity	13.4	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P417012

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343233	Turbidity	4.08	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P417017

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343204	Calcium	3.63	Spike	P	0 - 20
2343204	Iron	2.28	Spike	P	0 - 20
2343204	Magnesium	2.89	Spike	P	0 - 20
2343204	Potassium	1.97	Spike	P	0 - 20
2343204	Sodium	2.13	Spike	P	0 - 20
2343204	Strontium	2.30	Spike	P	0 - 20
2343204	Tin	3.16	Spike	P	0 - 20
2343204	Titanium	2.83	Spike	P	0 - 20
2343204	Vanadium	3.71	Spike	P	0 - 20
2343204	Zinc	3.71	Spike	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P417137

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343227	Calcium	2.06	Spike	P	0 - 20
2343227	Iron	0.292	Spike	P	0 - 20
2343227	Magnesium	1.14	Spike	P	0 - 20
2343227	Potassium	2.12	Spike	P	0 - 20
2343227	Sodium	1.27	Spike	P	0 - 20
2343227	Strontium	1.18	Spike	P	0 - 20
2343227	Tin	4.33	Spike	P	0 - 20
2343227	Titanium	0.152	Spike	P	0 - 20
2343227	Vanadium	1.50	Spike	P	0 - 20
2343227	Zinc	0.289	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P417017

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343204	Aluminum	2.19	Spike	P	0 - 20
2343204	Antimony	1.92	Spike	P	0 - 20
2343204	Arsenic	2.26	Spike	P	0 - 20
2343204	Barium	1.16	Spike	P	0 - 20
2343204	Beryllium	1.41	Spike	P	0 - 20
2343204	Boron	0.128	Spike	P	0 - 20
2343204	Cadmium	0.599	Spike	P	0 - 20
2343204	Chromium	1.26	Spike	P	0 - 20
2343204	Cobalt	0.201	Spike	P	0 - 20
2343204	Copper	1.13	Spike	P	0 - 20
2343204	Lead	1.15	Spike	P	0 - 20
2343204	Manganese	0.376	Spike	P	0 - 20
2343204	Molybdenum	1.63	Spike	P	0 - 20
2343204	Nickel	1.12	Spike	P	0 - 20
2343204	Selenium	2.73	Spike	P	0 - 20
2343204	Silver	3.26	Spike	P	0 - 20
2343204	Thallium	1.59	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P417137

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343227	Aluminum	0.461	Spike	P	0 - 20
2343227	Antimony	2.75	Spike	P	0 - 20
2343227	Arsenic	2.31	Spike	P	0 - 20
2343227	Barium	0.00346	Spike	P	0 - 20
2343227	Beryllium	1.96	Spike	P	0 - 20
2343227	Boron	2.59	Spike	P	0 - 20
2343227	Cadmium	1.53	Spike	P	0 - 20
2343227	Chromium	1.85	Spike	P	0 - 20
2343227	Cobalt	0.0433	Spike	P	0 - 20
2343227	Copper	1.04	Spike	P	0 - 20
2343227	Lead	0.109	Spike	P	0 - 20
2343227	Manganese	0.244	Spike	P	0 - 20
2343227	Molybdenum	0.0730	Spike	P	0 - 20
2343227	Nickel	1.41	Spike	P	0 - 20
2343227	Selenium	1.08	Spike	P	0 - 20
2343227	Silver	0.938	Spike	P	0 - 20
2343227	Thallium	0.715	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P417383

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343105	Chloride	0.347	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417259

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343094	Ammonia-N	1.44	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P417313

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2342195	Ammonia-N	3.66	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P417235

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343341	Kjeldahl Nitrogen	0.134	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P417236

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343114	Kjeldahl Nitrogen	3.50	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417166

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2342782	NO2NO3-N	0.456	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P417228

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343169	NO2NO3-N	0.273	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417094

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2342042	Total-P	0.990	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P417096

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343187	Total-P	1.69	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P417000

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2342814	PCB-1016	4.88	Spike	P	0 - 32
2342814	PCB-1260	0.155	Spike	P	0 - 31
2343192	Aldrin	7.31	Spike	P	0 - 41
2343192	Alpha-BHC	2.83	Spike	P	0 - 25
2343192	Alpha-Chlordane	8.26	Spike	P	0 - 33
2343192	Beta-BHC	9.21	Spike	P	0 - 36
2343192	Beta-Cyfluthrin	2.46	Spike	P	0 - 42
2343192	Bifenthrin	2.84	Spike	P	0 - 53
2343192	Chlorothalonil	16.9	Spike	P	0 - 71
2343192	Cis-Nonachlor	6.40	Spike	P	0 - 29
2343192	Cypermethrin	9.23	Spike	P	0 - 40
2343192	Dacthal	16.0	Spike	P	0 - 26
2343192	DDD-p,p'	3.44	Spike	P	0 - 39
2343192	DDE-p,p'	10.4	Spike	P	0 - 33
2343192	DDT-p,p'	4.09	Spike	P	0 - 40
2343192	Delta-BHC	7.47	Spike	P	0 - 37
2343192	Deltamethrin	4.26	Spike	P	0 - 100
2343192	Dichlobenil	8.32	Spike	P	0 - 40
2343192	Dicofol	10.4	Spike	P	0 - 31
2343192	Dieldrin	8.39	Spike	P	0 - 27
2343192	Endosulfan I	3.92	Spike	P	0 - 23
2343192	Endosulfan II	4.28	Spike	P	0 - 28
2343192	Endosulfan Sulfate	11.7	Spike	P	0 - 38
2343192	Endrin	2.76	Spike	P	0 - 63
2343192	Endrin Aldehyde	5.37	Spike	P	0 - 60
2343192	Endrin Ketone	1.52	Spike	P	0 - 37
2343192	Esfenvalerate	4.31	Spike	P	0 - 52
2343192	Ethalfuralin	5.62	Spike	P	0 - 23
2343192	Fenpropathrin	12.1	Spike	P	0 - 32
2343192	Gamma-BHC	5.76	Spike	P	0 - 17
2343192	Gamma-Chlordane	0.935	Spike	P	0 - 40
2343192	Heptachlor	1.33	Spike	P	0 - 29
2343192	Heptachlor Epoxide	0.782	Spike	P	0 - 25
2343192	Hexachlorobenzene	4.55	Spike	P	0 - 36
2343192	Kepone	12.8	Spike	P	0 - 93
2343192	Lambda-Cyhalothrin	5.05	Spike	P	0 - 55
2343192	Methoprene	24.1	Spike	P	0 - 53
2343192	Methoxychlor	15.5	Spike	P	0 - 29
2343192	MGK-264	66.6	Spike	F	0 - 35
2343192	Mirex	15.4	Spike	P	0 - 46
2343192	Oxychlordane	1.59	Spike	P	0 - 29
2343192	Permethrin	5.64	Spike	P	0 - 44
2343192	Phenothrin	23.7	Spike	P	0 - 56
2343192	Piperonyl Butoxide	113	Spike	F	0 - 100
2343192	Prallethrin	4.78	Spike	P	0 - 42
2343192	Tau-Fluvalinate	4.16	Spike	P	0 - 54
2343192	Tetramethrin	8.12	Spike	P	0 - 51
2343192	Trans-Nonachlor	8.93	Spike	P	0 - 37
2343192	Triclosan Methyl	1.83	Spike	P	0 - 31
2343192	Trifluralin	1.24	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P417056

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343193	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	18.8	Spike	P	0 - 30
2343193	Acetochlor	15.4	Spike	P	0 - 27
2343193	Alachlor	2.20	Spike	P	0 - 27
2343193	Ametryn	36.3	Spike	F	0 - 34
2343193	Atrazine	5.63	Spike	P	0 - 41
2343193	Atrazine Desethyl	34.5	Spike	P	0 - 38
2343193	Avobenzone	15.3	Spike	P	0 - 30
2343193	Azinphos Methyl	20.0	Spike	P	0 - 62
2343193	Azoxystrobin	29.3	Spike	P	0 - 32
2343193	Bromacil	21.1	Spike	P	0 - 30
2343193	Butylate	19.1	Spike	P	0 - 59
2343193	Caffeine	9.23	Spike	P	0 - 60
2343193	Carbophenothion	17.9	Spike	P	0 - 25
2343193	Carfentrazone Ethyl	23.0	Spike	P	0 - 26
2343193	Chlorfenapyr	21.1	Spike	P	0 - 30
2343193	Chlorpyrifos Ethyl	10.7	Spike	P	0 - 27
2343193	Chlorpyrifos Methyl	15.0	Spike	P	0 - 26
2343193	Coumaphos	29.7	Spike	P	0 - 30
2343193	Cyanazine	18.7	Spike	P	0 - 58
2343193	Cyprodinil	7.98	Spike	P	0 - 30
2343193	Demeton	10.5	Spike	P	0 - 25
2343193	Diazinon	14.3	Spike	P	0 - 29
2343193	Difenoconazole	22.2	Spike	P	0 - 25
2343193	Dimethenamid	22.4	Spike	P	0 - 30
2343193	Dimethomorph	20.9	Spike	P	0 - 30
2343193	Disulfoton	13.3	Spike	P	0 - 33
2343193	Dithiopyr	12.0	Spike	P	0 - 22
2343193	EPTC	26.2	Spike	P	0 - 38
2343193	Ethion	78.7	Spike	P	0 - 79
2343193	Ethoprop	11.2	Spike	P	0 - 23
2343193	Etridiazole	25.1	Spike	P	0 - 30
2343193	Fenamiphos	15.2	Spike	P	0 - 58
2343193	Fenbuconazole	23.4	Spike	P	0 - 37
2343193	Fipronil	17.2	Spike	P	0 - 33
2343193	Fipronil Desulfinyl	28.2	Spike	F	0 - 26
2343193	Fipronil Sulfide	8.06	Spike	P	0 - 37
2343193	Fipronil Sulfone	22.1	Spike	P	0 - 50
2343193	Fluazifop-P-butyl	15.4	Spike	P	0 - 24
2343193	Fludioxonil	17.5	Spike	P	0 - 26
2343193	Flumioxazin	39.2	Spike	F	0 - 37
2343193	Flutolanil	22.1	Spike	P	0 - 26
2343193	Fluxapyroxad	24.7	Spike	P	0 - 34
2343193	Fonofos	9.05	Spike	P	0 - 27
2343193	Hexazinone	14.6	Spike	P	0 - 36
2343193	Imazalil	7.96	Spike	P	0 - 65
2343193	Iprodione	13.9	Spike	P	0 - 33
2343193	Loratadine	52.7	Spike	F	0 - 30
2343193	Malathion	12.7	Spike	P	0 - 44
2343193	Metalaxyl	35.7	Spike	P	0 - 38
2343193	Metolachlor	25.1	Spike	P	0 - 36
2343193	Metribuzin	5.77	Spike	P	0 - 63

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P417056

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343193	Mevinphos	1.66	Spike	P	0 - 26
2343193	Molinate	24.5	Spike	P	0 - 40
2343193	Myclobutanil	16.7	Spike	P	0 - 21
2343193	Naled	12.0	Spike	P	0 - 26
2343193	Napropamide	26.5	Spike	P	0 - 30
2343193	Norflurazon	23.2	Spike	P	0 - 24
2343193	Octinoxate	58.8	Spike	F	0 - 30
2343193	Oxadiazon	9.23	Spike	P	0 - 27
2343193	Oxybenzone	6.06	Spike	P	0 - 30
2343193	Oxyfluorfen	23.7	Spike	P	0 - 24
2343193	Parathion Ethyl	11.4	Spike	P	0 - 28
2343193	Parathion Methyl	4.99	Spike	P	0 - 27
2343193	PBDE-47	16.7	Spike	P	0 - 30
2343193	PBDE-99	20.9	Spike	P	0 - 30
2343193	Pendimethalin	5.25	Spike	P	0 - 31
2343193	Phenytoin	114	Spike	F	0 - 30
2343193	Phorate	10.2	Spike	P	0 - 27
2343193	Prodiamine	63.9	Spike	F	0 - 52
2343193	Prometon	14.8	Spike	P	0 - 31
2343193	Prometryn	27.1	Spike	P	0 - 28
2343193	Pronamide	6.97	Spike	P	0 - 26
2343193	Propanil	21.9	Spike	P	0 - 30
2343193	Propargite	37.9	Spike	F	0 - 30
2343193	Propiconazole	24.4	Spike	P	0 - 31
2343193	Pyraflufen Ethyl	15.7	Spike	P	0 - 30
2343193	Pyridaben	17.7	Spike	P	0 - 30
2343193	Pyriproxyfen	45.6	Spike	P	0 - 50
2343193	Simazine	17.3	Spike	P	0 - 29
2343193	Stirophos	82.6	Spike	F	0 - 30
2343193	Sulfentrazone	18.2	Spike	P	0 - 33
2343193	Tebuconazole	39.1	Spike	P	0 - 44
2343193	Terbufos	5.64	Spike	P	0 - 29
2343193	Terbuthylazine	7.82	Spike	P	0 - 27
2343193	Thiobencarb	20.1	Spike	P	0 - 30
2343193	Tri-o-cresyl Phosphate	13.9	Spike	P	0 - 30
2343193	Triadimefon	28.6	Spike	P	0 - 30

Reference Method: EPA 8276

Batch ID: P417000

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2342814	Chlordane	8.43	Spike	P	0 - 25
2342814	Toxaphene	6.28	Spike	P	0 - 26

Reference Method: EPA 8321B

Batch ID: P416993

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343069	Acesulfame K	3.01	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B

Batch ID: P416993

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343069	AMPA	4.15	Spike	P	0 - 30
2343069	Endothall	0.729	Spike	P	0 - 30
2343069	Glufosinate	7.13	Spike	P	0 - 30
2343069	Glyphosate	1.39	Spike	P	0 - 30
2343069	Sucralose	3.88	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P417065

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343190	3-Hydroxycarbofuran	25.2	Spike	P	0 - 30
2343190	Aldicarb	43.8	Spike	F	0 - 30
2343190	Aldicarb Sulfone	20.5	Spike	P	0 - 30
2343190	Aldicarb Sulfoxide	12.3	Spike	P	0 - 30
2343190	Carbaryl	19.1	Spike	P	0 - 30
2343190	Carbofuran	20.4	Spike	P	0 - 30
2343190	Methiocarb	29.5	Spike	P	0 - 30
2343190	Methomyl	14.7	Spike	P	0 - 30
2343190	Oxamyl	19.0	Spike	P	0 - 30
2343190	Propoxur	27.0	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P417136

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343511	2,4-D	19.3	Spike	P	0 - 30
2343511	2,4,5-T	3.93	Spike	P	0 - 30
2343511	Acetaminophen	5.31	Spike	P	0 - 30
2343511	Acetamiprid	14.9	Spike	P	0 - 30
2343511	Afidopyropen	22.3	Spike	P	0 - 30
2343511	Benzovindiflupyr	12.6	Spike	P	0 - 30
2343511	Carbamazepine	8.61	Spike	P	0 - 30
2343511	Clothianidin	0.450	Spike	P	0 - 30
2343511	Dinotefuran	4.79	Spike	P	0 - 30
2343511	Diuron	0.750	Spike	P	0 - 30
2343511	Fenuron	8.61	Spike	P	0 - 30
2343511	Fluridone	9.70	Spike	P	0 - 30
2343511	Hydrocodone	3.29	Spike	P	0 - 30
2343511	Ibuprofen	9.67	Spike	P	0 - 30
2343511	Imazapyr	10.4	Spike	P	0 - 30
2343511	Imidacloprid	8.97	Spike	P	0 - 30
2343511	Linuron	4.19	Spike	P	0 - 30
2343511	Mandestrobin	11.2	Spike	P	0 - 30
2343511	MCPP	12.9	Spike	P	0 - 30
2343511	Naproxen	4.48	Spike	P	0 - 30
2343511	Primidone	2.33	Spike	P	0 - 30
2343511	Pyraclostrobin	8.59	Spike	P	0 - 30
2343511	Silvex	21.1	Spike	P	0 - 30
2343511	Thiamethoxam	6.23	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B

Batch ID: P417136

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343511	Tolfenpyrad	10.9	Spike	P	0 - 30
2343511	Triclopyr	8.97	Spike	P	0 - 30

Reference Method: SM 2320 B-2011

Batch ID: P417217

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343211	Total Alkalinity	0.165	Sample	P	0 - 3.8

Reference Method: SM 2320 B-2011

Batch ID: P417354

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2342914	Total Alkalinity	0.352	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2011

Batch ID: P417490

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343095	TDS	5.98	Sample	P	0 - 10

Reference Method: SM 2540 D-2011

Batch ID: P417483

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343186	TSS	6.67	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011

Batch ID: P417220

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343211	Fluoride	0.483	Spike	P	0 - 1.6

Reference Method: SM 4500-F- C-2011

Batch ID: P417356

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2342914	Fluoride	0.0	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011

Batch ID: P417158

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2341796	Organic Carbon	0.767	Spike	P	0 - 20

Quality Assurance Report

Precision

Reference Method: SM 5310 B-2011
Batch ID: P417223

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2343200	Organic Carbon	0.551	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2343190
Field Sample ID: G5SW0040

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	73.6	P	30 - 160

Lab Sample ID: 2343191
Field Sample ID: G5SW0040

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	101	P	30 - 160
EPA 8321B	Acetaminophen-d4	112	P	30 - 160
EPA 8321B	Carbamazepine-d10	104	P	30 - 160
EPA 8321B	Diuron-d6	73.5	P	30 - 160
EPA 8321B	Endothall-d6	154	P	30 - 160
EPA 8321B	Endothall-d6	154	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	90.0	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	90.0	P	30 - 160
EPA 8321B	Ibuprofen-d3	72.2	P	30 - 160
EPA 8321B	Primidone-d5	111	P	30 - 160
EPA 8321B	Sucralose-d6	100	P	30 - 160
EPA 8321B	Sucralose-d6	105	P	30 - 160
EPA 8321B	Sucralose-d6	100	P	30 - 160
EPA 8321B	Sucralose-d6	105	P	30 - 160

Lab Sample ID: 2343192
Field Sample ID: G5SW0040

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	81.4	P	29 - 130
EPA 8270E	Decachlorobiphenyl	54.0	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	59.2	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	59.1	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	67.6	P	30 - 101
EPA 8276	PCNB	83.0	P	48 - 121

Lab Sample ID: 2343193
Field Sample ID: G5SW0040

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	37.4	P	20 - 200
EPA 8270E	Simazine-d10	72.3	P	71 - 140
EPA 8270E	Terbufos-d10	83.1	P	62 - 131
EPA 8270E	Terphenyl-d14	71.2	P	52 - 141

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A113649

Included Lab Sample IDs: 2343184, 2343186

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

Reference Method: DEP SOP: NU-094-1

Run ID: A113654

Included Lab Sample IDs: 2343184

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

Reference Method: EPA 8321B

Run ID: A113656

Included Lab Sample IDs: 2343190

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	96.8	98.6	P/P	60 - 150
Aldicarb	108	104	P/P	60 - 150
Aldicarb Sulfone	97.2	101	P/P	50 - 150
Aldicarb Sulfoxide	100	103	P/P	50 - 150
Carbaryl	105	106	P/P	60 - 150
Carbofuran	98.1	95.8	P/P	50 - 150
Methiocarb	110	108	P/P	50 - 150
Methomyl	104	104	P/P	50 - 150
Oxamyl	98.6	99.4	P/P	50 - 150
Propoxur	97.4	105	P/P	50 - 150

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A113697

Included Lab Sample IDs: 2343194

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Antimony	94.6	92.8	P/P	90 - 110
Arsenic	96.9	95.4	P/P	90 - 110
Barium	95.7	94.6	P/P	90 - 110
Cadmium	96.8	95.8	P/P	90 - 110
Chromium	95.9	94.2	P/P	90 - 110
Cobalt	97.6	97.1	P/P	90 - 110
Copper	97.3	96.7	P/P	90 - 110
Lead	97.8	97.1	P/P	90 - 110
Manganese	96.9	95.7	P/P	90 - 110
Molybdenum	96.6	95.0	P/P	90 - 110
Nickel	97.0	96.2	P/P	90 - 110
Selenium	96.6	95.0	P/P	90 - 110
Silver	102	101	P/P	90 - 110
Thallium	97.3	96.4	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A113703

Included Lab Sample IDs: 2343187

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	93.4	96.2	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A113707

Included Lab Sample IDs: 2343187

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

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A113719

Included Lab Sample IDs: 2343194

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	98.5	97.7	P/P	90 - 110
Beryllium	93.2	93.9	P/P	90 - 110
Boron	96.6	97.3	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A113721

Included Lab Sample IDs: 2343184

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

Reference Method: SM 2320 B-2011

Run ID: A113724

Included Lab Sample IDs: 2343186

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.1	99.4	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A113724

Included Lab Sample IDs: 2343186

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

Reference Method: SM 5310 B-2011

Run ID: A113725

Included Lab Sample IDs: 2343185

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.6	96.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A113726

Included Lab Sample IDs: 2343185

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	102	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A113730

Included Lab Sample IDs: 2343185

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
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Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A113730

Included Lab Sample IDs: 2343185

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

Reference Method: EPA 8321B

Run ID: A113733

Included Lab Sample IDs: 2343191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	93.9	107	P/P	50 - 150
2,4,5-T	92.1	116	P/P	50 - 150
Acetaminophen	104	103	P/P	60 - 160
Acetamiprid	101	90.3	P/P	50 - 150
Afidopyropen	111	88.0	P/P	50 - 150
Bentazon	90.3	107	P/P	50 - 160
Benzovindiflupyr	99.2	102	P/P	50 - 150
Carbamazepine	105	106	P/P	60 - 150
Clothianidin	94.2	106	P/P	60 - 150
Dinotefuran	107	105	P/P	50 - 150
Diuron	84.4	102	P/P	60 - 160
Fenuron	102	99.1	P/P	60 - 150
Fluridone	112	116	P/P	60 - 160
Hydrocodone	103	102	P/P	60 - 150
Ibuprofen	102	120	P/P	50 - 160
Imazapyr	90.8	81.5	P/P	50 - 150
Imidacloprid	107	105	P/P	60 - 150
Linuron	95.2	108	P/P	60 - 150
Mandestrobin	103	108	P/P	50 - 150
MCPP	105	102	P/P	50 - 150
Naproxen	120	94.5	P/P	50 - 160
Primidone	95.2	105	P/P	60 - 150
Pyraclostrobin	102	101	P/P	60 - 150
Silvex	91.0	86.8	P/P	50 - 150
Thiamethoxam	102	101	P/P	50 - 150
Tolfenpyrad	98.8	98.5	P/P	60 - 150
Triclopyr	116	101	P/P	50 - 150

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A113735

Included Lab Sample IDs: 2343187

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

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A113739

Included Lab Sample IDs: 2343185

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.4	98.2	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A113745

Included Lab Sample IDs: 2343195

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	99.4	98.1	P/P	90 - 110
Antimony	100	99.2	P/P	90 - 110
Arsenic	103	102	P/P	90 - 110
Barium	98.3	98.0	P/P	90 - 110
Beryllium	93.9	99.0	P/P	90 - 110
Boron	102	96.5	P/P	90 - 110
Cadmium	101	100	P/P	90 - 110
Chromium	102	101	P/P	90 - 110
Cobalt	99.5	101	P/P	90 - 110
Copper	100	101	P/P	90 - 110
Lead	98.6	98.3	P/P	90 - 110
Manganese	100	100	P/P	90 - 110
Molybdenum	98.8	97.9	P/P	90 - 110
Nickel	99.1	99.9	P/P	90 - 110
Selenium	99.8	98.8	P/P	90 - 110
Silver	104	103	P/P	90 - 110
Thallium	98.5	97.2	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A113754

Included Lab Sample IDs: 2343191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	72.1	77.7	P/P	60 - 160
Sucralose	94.9	93.5	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A113755

Included Lab Sample IDs: 2343191

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	116	115	P/P	60 - 160
Endothall	97.4	96.0	P/P	60 - 160
Glufosinate	107	103	P/P	60 - 160
Glyphosate	105	97.3	P/P	60 - 160

Reference Method: EPA 8276

Run ID: A113762

Included Lab Sample IDs: 2343192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	102		P	80 - 120
Toxaphene	90.4		P	80 - 120

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A113763

Included Lab Sample IDs: 2343187

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	101	98.7	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A113764

Included Lab Sample IDs: 2343187

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.8	99.6	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A113776

Included Lab Sample IDs: 2343192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	104		P	80 - 120
Alpha-BHC	108		P	80 - 120
Alpha-Chlordane	108		P	80 - 120
Beta-BHC	103		P	80 - 120
Beta-Cyfluthrin	116		P	80 - 120
Bifenthrin	115		P	80 - 120
Chlorothalonil	94.8		P	80 - 120
Cis-Nonachlor	116		P	80 - 120
Cypermethrin	90.5		P	80 - 120
Dacthal	97.6		P	80 - 120
DDD-p,p'	113		P	80 - 120
DDE-p,p'	109		P	80 - 120
DDT-p,p'	94.8		P	80 - 120
Delta-BHC	109		P	80 - 120
Deltamethrin	107		P	80 - 120
Dichlobenil	114		P	80 - 120
Dicofol	102		P	80 - 120
Dieldrin	109		P	80 - 120
Endosulfan I	102		P	80 - 120
Endosulfan II	115		P	80 - 120
Endosulfan Sulfate	105		P	80 - 120
Endrin	119		P	80 - 120
Endrin Aldehyde	113		P	80 - 120
Endrin Ketone	118		P	80 - 120
Esfenvalerate	114		P	80 - 120
Ethalfuralin	96.7		P	80 - 120
Fenpropathrin	117		P	80 - 120
Gamma-BHC	110		P	80 - 120
Gamma-Chlordane	110		P	80 - 120
Heptachlor	109		P	80 - 120
Heptachlor Epoxide	89.6		P	80 - 120
Hexachlorobenzene	95.9		P	80 - 120
Kepone	115		P	80 - 120
Lambda-Cyhalothrin	119		P	80 - 120
Methoprene	109		P	80 - 120
Methoxychlor	105		P	80 - 120
MGK-264	111		P	80 - 120
Mirex	112		P	80 - 120
Oxychlordane	97.6		P	80 - 120
Permethrin	119		P	80 - 120
Phenothrin	114		P	80 - 120
Piperonyl Butoxide	91.2		P	80 - 120
Prallethrin	100		P	80 - 120
Tau-Fluvalinate	117		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A113776
Included Lab Sample IDs: 2343192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tetramethrin	114		P	80 - 120
Trans-Nonachlor	95.5		P	80 - 120
Triclosan Methyl	99.6		P	80 - 120
Trifluralin	90.4		P	80 - 120

Reference Method: SM 2320 B-2011
Run ID: A113778
Included Lab Sample IDs: 2343184

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	99.4	97.9	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A113778
Included Lab Sample IDs: 2343184

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	107	106	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A113782
Included Lab Sample IDs: 2343185

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	96.2	98.6	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A113818
Included Lab Sample IDs: 2343192

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	96.6		P	80 - 120
PCB-1260	101		P	80 - 120

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A113834
Included Lab Sample IDs: 2343194, 2343195

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Calcium	100	101	P/P	90 - 110
Calcium	101	101	P/P	90 - 110
Iron	100	100	P/P	90 - 110
Iron	100	101	P/P	90 - 110
Magnesium	100	100	P/P	90 - 110
Magnesium	100	99.7	P/P	90 - 110
Potassium	101	100	P/P	90 - 110
Potassium	101	100	P/P	90 - 110
Sodium	100	101	P/P	90 - 110
Sodium	101	100	P/P	90 - 110
Strontium	102	102	P/P	90 - 110
Strontium	102	102	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A113834

Included Lab Sample IDs: 2343194, 2343195

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tin	96.1	98.0	P/P	90 - 110
Tin	97.0	97.9	P/P	90 - 110
Titanium	95.7	97.4	P/P	90 - 110
Titanium	97.5	97.4	P/P	90 - 110
Vanadium	97.9	98.8	P/P	90 - 110
Vanadium	98.2	98.7	P/P	90 - 110
Zinc	95.7	96.7	P/P	90 - 110
Zinc	97.4	97.0	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A113868

Included Lab Sample IDs: 2343193

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	99.9		P	80 - 120
Alachlor	101		P	80 - 120
Ametryn	96.1		P	80 - 120
Atrazine	101		P	80 - 120
Atrazine Desethyl	97.7		P	80 - 120
Azinphos Methyl	100		P	80 - 120
Bromacil	96.6		P	80 - 120
Butylate	97.5		P	80 - 120
Caffeine	99.0		P	80 - 120
Carbophenothion	105		P	80 - 120
Chlorfenapyr	119		P	80 - 120
Chlorpyrifos Ethyl	111		P	80 - 120
Chlorpyrifos Methyl	106		P	80 - 120
Coumaphos	101		P	80 - 120
Cyanazine	101		P	80 - 120
Cyprodinil	100		P	80 - 120
Demeton	103		P	80 - 120
Diazinon	103		P	80 - 120
Dimethenamid	99.8		P	80 - 120
Dimethomorph	82.0		P	80 - 120
Disulfoton	110		P	80 - 120
EPTC	97.8		P	80 - 120
Ethion	105		P	80 - 120
Ethoprop	100		P	80 - 120
Etridiazole	96.1		P	80 - 120
Fenamiphos	102		P	80 - 120
Fenbuconazole	96.4		P	80 - 120
Fipronil	93.7		P	80 - 120
Fipronil Sulfide	99.0		P	80 - 120
Fipronil Sulfone	99.5		P	80 - 120
Fluazifop-P-butyl	104		P	80 - 120
Fludioxonil	99.6		P	80 - 120
Fonofos	108		P	80 - 120
Hexazinone	102		P	80 - 120
Imazalil	100		P	80 - 120
Iprodione	97.2		P	80 - 120
Loratadine	102		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A113868
Included Lab Sample IDs: 2343193

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Malathion	97.0		P	80 - 120
Metalaxyl	103		P	80 - 120
Metolachlor	93.9		P	80 - 120
Metribuzin	101		P	80 - 120
Mevinphos	95.6		P	80 - 120
Molinate	96.1		P	80 - 120
Myclobutanil	98.9		P	80 - 120
Norflurazon	95.2		P	80 - 120
Oxyfluorfen	98.2		P	80 - 120
Parathion Ethyl	97.5		P	80 - 120
Parathion Methyl	95.5		P	80 - 120
Pendimethalin	103		P	80 - 120
Phenytoin	94.6		P	80 - 120
Phorate	106		P	80 - 120
Prometryn	99.0		P	80 - 120
Pronamide	95.1		P	80 - 120
Propanil	90.7		P	80 - 120
Propargite	94.3		P	80 - 120
Propiconazole	98.9		P	80 - 120
Pyraflufen Ethyl	98.1		P	80 - 120
Pyriproxyfen	98.2		P	80 - 120
Simazine	96.9		P	80 - 120
Stirophos	109		P	80 - 120
Sulfentrazone	92.8		P	80 - 120
Terbufos	107		P	80 - 120
Terbuthylazine	99.4		P	80 - 120
Thiobencarb	102		P	80 - 120
Triadimefon	103		P	80 - 120

Reference Method: EPA 8270E
Run ID: A113872
Included Lab Sample IDs: 2343193

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Azoxystrobin	98.3		P	80 - 120
Carfentrazone Ethyl	105		P	80 - 120
Difenoconazole	101		P	80 - 120
Dithiopyr	106		P	80 - 120
Fipronil Desulfinyl	106		P	80 - 120
Flumioxazin	104		P	80 - 120
Flutolanil	108		P	80 - 120
Fluxapyroxad	101		P	80 - 120
Naled	98.4		P	80 - 120
Napropamide	106		P	80 - 120
Oxadiazon	105		P	80 - 120
Prodiamine	108		P	80 - 120
Prometon	105		P	80 - 120
Pyridaben	95.3		P	80 - 120
Tebuconazole	105		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A113926
Included Lab Sample IDs: 2343193

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	86.9		P	80 - 120
Avobenzone	90.8		P	80 - 120
Octinoxate	99.2		P	80 - 120
Oxybenzone	100		P	80 - 120
PBDE-47	90.6		P	80 - 120
PBDE-99	85.4		P	80 - 120
Tri-o-cresyl Phosphate	93.8		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 SMP	MS
			LCS				
DEP SOP: NU-094-1	Color (true)	99.2				1.53	
EPA 180.1 Rev. 2.0	Turbidity	96.4				13.4	
	Turbidity	97.2				4.08	
EPA 200.7 Rev. 4.4	Calcium	103	103	108			3.63
	Calcium	105					2.06
	Iron	103	104	102	110		2.28
	Iron	106	109	109			0.292
	Magnesium	102	104	99.9	108		2.89
	Magnesium	104					1.14
	Potassium	102	104	102	105		1.97
	Potassium	103					2.12
	Sodium	102	102	108			2.13
	Sodium	104					1.27
	Strontium	106	108	106	110		2.30
	Strontium	109					1.18
	Tin	102	103	100	106		3.16
	Tin	106	108	113			4.33
	Titanium	102	104	101	107		2.83
	Titanium	105	114	115			0.152
	Vanadium	101	104	100	107		3.71
	Vanadium	104	104	103			1.50
	Zinc	99.5	104	99.6	106		3.71
	Zinc	103	104	104			0.289
EPA 200.8 Rev. 5.4	Aluminum	98.8	97.2	99.6	100		2.19
	Aluminum	99.0	99.1	98.7			0.461
	Antimony	95.9	95.4	97.3	95.6		1.92
	Antimony	96.6	106	103			2.75
	Arsenic	96.3	95.5	97.7	96.5		2.26
	Arsenic	98.8	113	110			2.31
	Barium	99.2	98.9	100	99.3		1.16
	Barium	100	101	101			0.0034
	Beryllium	91.5	90.5	91.8	91.4		1.41
	Beryllium	85.5	103	101			1.96
	Boron	104	103	103	105		0.128
	Boron	107					2.59
	Cadmium	94.8	94.2	94.8	94.7		0.599
	Cadmium	96.2	99.2	97.7			1.53
	Chromium	94.7	96.1	97.4	94.6		1.26
	Chromium	97.4	106	104			1.85
	Cobalt	97.3	97.0	97.2	96.6		0.201
	Cobalt	96.8	106	106			0.0433
	Copper	96.3	96.1	97.2	97.4		1.13
	Copper	97.6	102	101			1.04
	Lead	98.8	99.2	100	99.0		1.15
	Lead	99.6	101	101			0.109
	Manganese	95.2	96.5	97.0	96.1		0.376
	Manganese	97.1	101	100			0.244
	Molybdenum	94.8	96.8	98.4	95.1		1.63
	Molybdenum	96.5	106	106			0.0730
	Nickel	97.5	97.7	98.8	96.5		1.12
	Nickel	96.0	106	105			1.41
	Selenium	94.1	93.9	96.6	93.4		2.73
	Selenium	95.5	104	103			1.08
	Silver	100	99.5	103	99.8		3.26

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
EPA 200.8 Rev. 5.4	Silver	101	97.4	96.5			0.938
	Thallium	97.7	99.4	101	96.9		1.59
	Thallium	101	101	102			0.715
EPA 300.0 Rev. 2.1	Chloride	98.7	94.3	94.4		0.347	
EPA 350.1 Rev. 2.0	Ammonia-N	96.6	98.4	100			1.44
	Ammonia-N	96.2	105	101			3.66
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	108	93.8	93.7			0.134
	Kjeldahl Nitrogen	109					3.50
EPA 353.2 Rev. 2.0	NO2NO3-N	103	106	107			0.456
	NO2NO3-N	102	99.5	100			0.273
EPA 365.1 Rev. 2.0	Total-P	101	102	103			0.990
	Total-P	103	103	105			1.69
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	92.8	88.6	73.3			18.8
	Acetochlor	103	92.5	79.2			15.4
	Alachlor	95.0	84.5	82.6			2.20
	Aldrin	50.6	64.2	59.7			7.31
	Alpha-BHC	89.9	91.0	93.6			2.83
	Alpha-Chlordane	77.7	69.7	63.5			8.26
	Ametryn	96.1	104	71.8			36.3
	Atrazine	91.4					5.63
	Atrazine Desethyl	56.7	58.4	41.2			34.5
	Avobenzone	90.2	93.2	80.0			15.3
	Azinphos Methyl	118	100	82.1			20.0
	Azoxystrobin	103	142	99.4			29.3
	Beta-BHC	98.1	94.6	104			9.21
	Beta-Cyfluthrin	74.1	117	120			2.46
	Bifenthrin	53.3	104	107			2.84
	Bromacil	75.4	71.3	57.7			21.1
	Butylate	52.0	52.9	43.7			19.1
	Caffeine	81.1	104	94.4			9.23
	Carbophenothion	83.9	77.4	64.7			17.9
	Carfentrazone Ethyl	108	83.7	66.4			23.0
	Chlorfenapyr	89.7	80.1	64.8			21.1
	Chlorothalonil	49.8	182	215			16.9
	Chlorpyrifos Ethyl	87.0	72.7	65.4			10.7
	Chlorpyrifos Methyl	91.0	79.6	68.5			15.0
	Cis-Nonachlor	66.4	69.7	65.3			6.40
	Coumaphos	97.6	80.8	59.9			29.7
	Cyanazine	136	131	109			18.7
	Cypermethrin	71.9	105	115			9.23
	Cyprodinil	96.6	90.1	83.1			7.98
	Dacthal	86.2	82.2	96.5			16.0
	DDD-p,p'	79.4	63.5	61.4			3.44
	DDE-p,p'	76.6	59.5	52.9			10.4
	DDT-p,p'	71.5	67.4	70.2			4.09
	Delta-BHC	96.5	105	113			7.47
	Deltamethrin	82.6	120	125			4.26
	Demeton	118	123	111			10.5
	Diazinon	115	107	92.5			14.3
	Dichlobenil	98.5	62.1	70.1			8.32
	Dicofol	81.7	94.5	105			10.4
	Dieldrin	85.2	68.9	62.8			8.39

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Difenoconazole	97.9	97.8	122		22.2
	Dimethenamid	80.5	75.0	59.9		22.4
	Dimethomorph	128	128	101		20.9
	Disulfoton	83.9	86.3	75.5		13.3
	Dithiopyr	101	78.8	68.2		12.0
	Endosulfan I	80.0	81.8	78.7		3.92
	Endosulfan II	85.1	65.8	68.7		4.28
	Endosulfan Sulfate	86.6	83.6	74.4		11.7
	Endrin	85.8	73.2	75.3		2.76
	Endrin Aldehyde	76.9	32.6	30.9		5.37
	Endrin Ketone	97.7	86.3	85.0		1.52
	EPTC	49.5	56.6	43.5		26.2
	Esfenvalerate	66.2	115	120		4.31
	Ethalfuralin	69.8	67.9	71.8		5.62
	Ethion	68.0	65.5	28.5		78.7
	Ethoprop	88.9	104	92.6		11.2
	Etridiazole	57.4	66.4	51.6		25.1
	Fenamiphos	85.4	71.6	83.4		15.2
	Fenbuconazole	106	91.0	71.9		23.4
	Fenpropathrin	72.0	103	91.5		12.1
	Fipronil	103	93.7	78.9		17.2
	Fipronil Desulfinyl	107	99.1	73.7		28.2
	Fipronil Sulfide	89.9	82.5	75.0		8.06
	Fipronil Sulfone	90.5	89.1	65.0		22.1
	Fluazifop-P-butyl	105	98.9	84.7		15.4
	Fludioxonil	99.2	95.8	80.4		17.5
	Flumioxazin	136	135	90.6		39.2
	Flutolanil	114	93.5	73.1		22.1
	Fluxapyroxad	100	90.8	63.7		24.7
	Fonofos	87.0	92.0	84.0		9.05
	Gamma-BHC	91.8	97.8	104		5.76
	Gamma-Chlordane	78.6	63.3	64.0		0.935
	Heptachlor	66.5	67.7	68.6		1.33
	Heptachlor Epoxide	83.2	72.8	72.2		0.782
	Hexachlorobenzene	76.3	69.0	72.2		4.55
	Hexazinone	91.3	86.2	73.6		14.6
	Imazalil	95.7	123	113		7.96
	Iprodione	104	82.3	71.6		13.9
	Kepone	29.3	44.2	50.2		12.8
	Lambda-Cyhalothrin	60.5	110	115		5.05
	Loratadine	98.7	120	212		52.7
	Malathion	92.1	86.5	74.7		12.7
	Metalaxyl	95.5	91.6	63.9		35.7
	Methoprene	53.8	75.0	58.9		24.1
	Methoxychlor	77.6	83.0	96.9		15.5
	Metolachlor	101	91.3	70.9		25.1
	Metribuzin	88.9	93.4	88.1		5.77
	Mevinphos	71.3	75.9	74.7		1.66
	MGK-264	90.1				66.6
	Mirex	55.8	65.7	56.3		15.4
	Molinate	62.1	69.5	54.3		24.5
	Myclobutanil	98.2	91.6	76.3		16.7
	Naled	69.6	65.8	58.3		12.0
	Napropamide	91.5	78.4	60.0		26.5

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Norflurazon	105	92.8	73.6			23.2
	Octinoxate	86.8	141	76.8			58.8
	Oxadiazon	97.7					9.23
	Oxybenzone	80.2	101	95.2			6.06
	Oxychlordane	75.9	72.8	71.6			1.59
	Oxyfluorfen	119	116	91.3			23.7
	Parathion Ethyl	81.7	86.7	77.3			11.4
	Parathion Methyl	97.5	104	98.6			4.99
	PBDE-47	91.4	76.2	64.4			16.7
	PBDE-99	84.5	71.4	57.9			20.9
	PCB-1016	87.4	95.2	90.7			4.88
	PCB-1260	89.5	96.7	96.9			0.155
	Pendimethalin	94.0	102	97.2			5.25
	Permethrin	76.7	110	104			5.64
	Phenothrin	51.7	101	129			23.7
	Phenytol	27.1	48.4	13.2			114
	Phorate	80.4	90.4	81.7			10.2
	Piperonyl Butoxide	132					113
	Prallethrin	80.4	72.9	69.5			4.78
	Prodimamine	41.0	48.5	94.0			63.9
	Prometon	84.9	88.9	76.6			14.8
	Prometryn	93.9	72.3	55.0			27.1
	Pronamide	95.5	93.7	87.4			6.97
	Propanil	88.5	86.1	69.1			21.9
	Propargite	86.6	71.5	48.8			37.9
	Propiconazole	94.7	95.1	71.4			24.4
	Pyraflufen Ethyl	97.4	83.0	70.9			15.7
	Pyridaben	94.3	79.1	66.3			17.7
	Pyriproxyfen	95.2	84.5	53.1			45.6
	Simazine	78.9	82.4	69.3			17.3
	Stirophos	67.7	50.5	21.0			82.6
	Sulfentrazon	56.5	65.7	45.9			18.2
	Tau-Fluvalinate	60.3	107	111			4.16
	Tebuconazole	75.0	65.5	41.6			39.1
	Terbufos	112	120	114			5.64
	Terbutylazine	89.1	86.4	79.9			7.82
	Tetramethrin	109	144	156			8.12
	Thiobencarb	91.6	81.8	66.9			20.1
	Trans-Nonachlor	79.2	71.3	78.0			8.93
	Tri-o-cresyl Phosphate	86.0	77.1	67.1			13.9
	Triadimefon	86.3	85.7	64.3			28.6
	Triclosan Methyl	86.9	83.5	85.1			1.83
	Trifluralin	67.7	68.4	69.2			1.24
EPA 8276	Chlordane	109	110	102			8.43
	Toxaphene	113	110	103			6.28
EPA 8321B	2,4-D	86.2	91.6	73.6			19.3
	2,4,5-T	76.7	72.4	69.6			3.93
	3-Hydroxycarbofuran	96.4	103	80.0			25.2
	Acesulfame K	71.7	62.4	64.3			3.01
	Acetaminophen	90.2	116	110			5.31
	Acetamiprid	73.6	92.9	80.0			14.9
	Afidopyropen	73.4	86.2	68.9			22.3
	Aldicarb	77.2	59.5	38.2			43.8
	Aldicarb Sulfone	101	119	97.2			20.5

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision LCS	SMP	MS
EPA 8321B	Aldicarb Sulfoxide	110	45.2	51.1			12.3
	AMPA	108	46.7	44.3			4.15
	Bentazon	96.3					
	Benzovindiflupyr	88.8	104	91.8			12.6
	Carbamazepine	89.2	114	104			8.61
	Carbaryl	82.1	67.5	55.7			19.1
	Carbofuran	91.7	78.0	63.6			20.4
	Clothianidin	96.2	105	104			0.450
	Dinotefuran	98.7	140	133			4.79
	Diuron	72.1	76.4	75.8			0.750
	Endothall	92.1	117	116			0.729
	Fenuron	101	95.6	87.7			8.61
	Fluridone	92.3					9.70
	Glufosinate	120	32.0	34.3			7.13
	Glyphosate	102	58.1	59.3			1.39
	Hydrocodone	91.4	103	100			3.29
	Ibuprofen	113	90.5	82.2			9.67
	Imazapyr	74.7	76.7	66.5			10.4
	Imidacloprid	102					8.97
	Linuron	91.1	96.1	92.2			4.19
	Mandestrobin	83.8	83.6	74.7			11.2
	MCPPP	97.4	92.7	81.5			12.9
	Methiocarb	93.7	81.8	60.8			29.5
	Methomyl	105	79.1	68.3			14.7
	Naproxen	99.7	88.4	92.5			4.48
	Oxamyl	98.5	83.3	68.8			19.0
	Primidone	90.3	102	99.6			2.33
	Propoxur	76.5	65.7	50.1			27.0
	Pyraclostrobin	76.2	91.9	84.3			8.59
	Silvex	55.4	88.9	71.9			21.1
	Sucralose	93.7	90.0	93.6			3.88
	Thiamethoxam	95.0	152	143			6.23
	Tolfenpyrad	41.8	52.3	46.9			10.9
	Triclopyr	72.7	74.6	68.2			8.97
SM 2320 B-2011	Total Alkalinity	100				0.165	
	Total Alkalinity	99.1				0.352	
SM 2540 C-2011	TDS					5.98	
SM 2540 D-2011	TSS					6.67	
SM 4500-F- C-2011	Fluoride	101	99.4	98.6			0.483
	Fluoride	104	103	103			0.0
SM 5310 B-2011	Organic Carbon	97.1	91.1	90.3			0.767
	Organic Carbon	96.6	95.6	96.6			0.551

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2343184
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2343184, 2343186
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2343194, 2343195
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2343194, 2343195
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2343184

Reference Method Descriptions

Method	Description	Associated Samples
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2343185, 2343187
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2343185, 2343187
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2343185, 2343187
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2343185, 2343187
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2343193
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2343192
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2343193
EPA 8270E	PCBs in water matrices by GC/MS/MS	2343192
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2343192
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2343190
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2343191
EPA 8321B	Water soluble organic compounds by HPLC/MS/MS	2343191
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2343184, 2343186
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2343184
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2343184, 2343186
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2343184, 2343186
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2343185, 2343187

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	07/21/2022			07/21/2022 14:40	Blanca Fach	2343184
EPA 180.1 Rev. 2.0	07/21/2022			07/21/2022 14:04	Anna M. Plaviak	2343184
	07/21/2022			07/21/2022 14:33	Anna M. Plaviak	2343186
EPA 200.7 Rev. 4.4	07/21/2022	07/22/2022 10:20	Megan Whitefoot	08/01/2022 19:58	McKinley C Carter	2343194
	07/21/2022	07/26/2022 09:00	Mackenzie Hunt	08/01/2022 23:16	McKinley C Carter	2343195
	07/21/2022	07/26/2022 09:00	Mackenzie Hunt	08/01/2022 23:24	McKinley C Carter	2343195
EPA 200.8 Rev. 5.4	07/21/2022	07/22/2022 10:20	Megan Whitefoot	07/25/2022 19:22	Alexander Thompson	2343194
	07/21/2022	07/22/2022 10:20	Megan Whitefoot	07/26/2022 23:55	Emily M Philpot	2343194
	07/21/2022	07/26/2022 09:00	Mackenzie Hunt	07/27/2022 19:13	Alexander Thompson	2343195
EPA 300.0 Rev. 2.1	07/21/2022			07/28/2022 16:31	Anna M. Plaviak	2343184
EPA 350.1 Rev. 2.0	07/21/2022			07/27/2022 13:30	Judith K. Clark	2343185
	07/21/2022			07/28/2022 11:02	Ping Hua	2343187
EPA 351.2 Rev. 2.0	07/21/2022	07/27/2022 11:55	Simonne.V. Calhoun	07/28/2022 12:28	Samantha L Bates	2343187
	07/21/2022	07/27/2022 16:00	Simonne.V. Calhoun	07/28/2022 15:30	Samantha L Bates	2343185
EPA 353.2 Rev. 2.0	07/21/2022			07/26/2022 11:12	Beverly Y. Sanders	2343187
	07/21/2022			07/27/2022 11:05	Beverly Y. Sanders	2343185
EPA 365.1 Rev. 2.0	07/21/2022	07/25/2022 15:50	Adam P Silver	07/27/2022 10:24	James L Waggeberby	2343185
	07/21/2022	07/25/2022 15:50	Adam P Silver	07/27/2022 14:19	James L Waggeberby	2343187
EPA 8270E	07/21/2022	07/25/2022 08:30	Rasheda Ghaffari	07/28/2022 15:44	Vandana T. Nagar	2343192
	07/21/2022	07/25/2022 08:30	Rasheda Ghaffari	08/01/2022 06:39	Julie Wi	2343192
	07/21/2022	07/27/2022 08:00	Fe-Val Siddell	07/31/2022 19:46	Michael Poppell	2343193
	07/21/2022	07/27/2022 08:00	Fe-Val Siddell	08/01/2022 19:07	Lipi Saha	2343193
	07/21/2022	07/27/2022 08:00	Fe-Val Siddell	08/02/2022 21:23	Michael Poppell	2343193
	07/21/2022	07/27/2022 08:00	Fe-Val Siddell	08/02/2022 22:43	Michael Poppell	2343193
EPA 8276	07/21/2022	07/25/2022 08:30	Rasheda Ghaffari	07/28/2022 09:08	Arthur Maknenko	2343192
EPA 8321B	07/21/2022	07/25/2022 10:30	June Rhew	07/25/2022 16:36	Juyoung Kim	2343190
	07/21/2022	07/26/2022 09:00	Umesh Chiluwal	07/26/2022 12:11	Umesh Chiluwal	2343191
	07/21/2022	07/26/2022 09:00	Umesh Chiluwal	07/26/2022 16:31	Umesh Chiluwal	2343191
	07/21/2022	07/26/2022 09:00	Umesh Chiluwal	07/26/2022 21:21	Umesh Chiluwal	2343191
	07/21/2022	07/26/2022 09:00	Umesh Chiluwal	07/27/2022 15:43	Umesh Chiluwal	2343191
	07/21/2022	07/26/2022 10:00	June Rhew	07/26/2022 20:03	Juyoung Kim	2343191
	07/21/2022	07/26/2022 10:00	June Rhew	07/27/2022 10:55	Juyoung Kim	2343191
SM 2320 B-2011	07/21/2022			07/27/2022 03:42	Dale L. Simmons	2343186
	07/21/2022			07/29/2022 01:32	Dale L. Simmons	2343184
SM 2540 C-2011	07/21/2022			07/26/2022 15:02	Yijie Li	2343184
SM 2540 D-2011	07/21/2022			07/26/2022 15:02	Yijie Li	2343184, 2343186
SM 4500-F- C-2011	07/21/2022			07/27/2022 00:02	Dale L. Simmons	2343186
	07/21/2022			07/29/2022 01:32	Dale L. Simmons	2343184
SM 5310 B-2011	07/21/2022			07/23/2022 10:38	Touraj Touran	2343187
	07/21/2022			07/27/2022 00:46	Khloe J Berg	2343185