

Chemical Analysis Report

CEN-DIST-2023-06-15-01

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

Event Description: **Run 16**
Request ID: **RQ-2023-06-12-26**
Customer: **CEN-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767
Attn: Matthew Bearden

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

Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 19-JUL-2023 09:00

A handwritten signature in black ink that reads "Kerry Tate". The signature is written in a cursive, flowing style with a horizontal line extending from the end of the name.

Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical groups are included in this report: Nutrients and Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: LAKE FLORENCE S OF CENTER

Collection Date/Time: 06/14/2023 10:40

Field ID: G2CE0283

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417639	DEP SOP: NU-094-1	Color (true)	12		PCU	P431338	
	EPA 180.1 Rev. 2.0	Turbidity	1.7		NTU	P431349	
	EPA 300.0 Rev. 2.1	Chloride	21		mg Cl/L	P431682	
		Sulfate	14		mg SO4/L	P431685	
	SM 2320 B-2011	Total Alkalinity	11		mg CaCO3/L	P431569	
	SM 2540 C-2015	TDS	83		mg/L	P431885	
	SM 2540 D-2015	TSS	4	I	mg/L	P431825	
	SM 4500-F- C-2011	Fluoride	0.039	I	mg F/L	P431572	
2417642	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P431529	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.39		mg N/L	P431700	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P431720	
	EPA 365.1 Rev. 2.0	Total-P	0.016		mg P/L	P431453	
	SM 5310 B-2011	Organic Carbon	5.6		mg C/L	P431590	

Ref. Method and Comment:

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

Sample Location: QUEENS MIRROR LAKE AT CENTER

Collection Date/Time: 06/14/2023 12:47

Field ID: G2CE0214

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417640	DEP SOP: NU-094-1	Color (true)	58	A	PCU	P431338	
	EPA 180.1 Rev. 2.0	Turbidity	3.1		NTU	P431349	
	EPA 300.0 Rev. 2.1	Chloride	25		mg Cl/L	P431682	
		Sulfate	5.5		mg SO4/L	P431685	
	SM 2320 B-2011	Total Alkalinity	40		mg CaCO3/L	P431569	
	SM 2540 C-2015	TDS	118		mg/L	P431885	
	SM 2540 D-2015	TSS	6	I	mg/L	P431825	
2417643	SM 4500-F- C-2011	Fluoride	0.070	I	mg F/L	P431572	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P431529	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.75		mg N/L	P431700	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P431721	
	EPA 365.1 Rev. 2.0	Total-P	0.043		mg P/L	P431453	
	SM 5310 B-2011	Organic Carbon	11		mg C/L	P431590	

Ref. Method and Comment:

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

Sample Location: LAKE ANN AT CENTER

Collection Date/Time: 06/14/2023 11:10

Field ID: G2CE0097

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417641	DEP SOP: NU-094-1	Color (true)	24		PCU	P431338	
	EPA 180.1 Rev. 2.0	Turbidity	2.3		NTU	P431349	
	EPA 300.0 Rev. 2.1	Chloride	18		mg Cl/L	P431682	
		Sulfate	13		mg SO4/L	P431685	
	SM 2320 B-2011	Total Alkalinity	29		mg CaCO3/L	P431569	
	SM 2540 C-2015	TDS	99		mg/L	P431885	
	SM 2540 D-2015	TSS	6	I	mg/L	P431825	
	SM 4500-F- C-2011	Fluoride	0.038	I	mg F/L	P431572	
2417644	EPA 350.1 Rev. 2.0	Ammonia-N	0.005	I	mg N/L	P431660	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.69		mg N/L	P431700	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P431721	
	EPA 365.1 Rev. 2.0	Total-P	0.019		mg P/L	P431453	
	SM 5310 B-2011	Organic Carbon	9.2		mg C/L	P431590	

Ref. Method and Comment:

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

**Sample Location: HOWELL CREEK AT 150M US OF LAKE
HOWELL**

Collection Date/Time: 06/14/2023 11:45

Field ID: G2CE0072

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417652	EPA 8321B	Aldicarb	0.020	U	ug/L	P431332	MS
		Aldicarb Sulfone	0.0020	U	ug/L	P431332	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P431332	
		Carbaryl	0.0020	U	ug/L	P431332	
		Carbofuran	0.0020	U	ug/L	P431332	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P431332	
		Methiocarb	0.0020	U	ug/L	P431332	
		Methomyl	0.0020	U	ug/L	P431332	
		Oxamyl	0.0020	U	ug/L	P431332	
		Propoxur	0.0020	U	ug/L	P431332	
2417653		2,4-D	0.11		ug/L	P431299	RPD
		Acesulfame K	0.10	U	ug/L	P431314	
		2,4,5-T	0.0040	U	ug/L	P431299	
		AMPA	0.22	I	ug/L	P431314	
		Acetaminophen	0.0080	U	ug/L	P431299	
		Acetamiprid	0.0020	U	ug/L	P431299	
		Endothall	0.25	U	ug/L	P431314	
		Glufosinate	0.10	U	ug/L	P431314	
		Glyphosate	0.54		ug/L	P431314	
		Afidopyropen	0.0020	U	ug/L	P431299	
		Bentazon	0.11		ug/L	P431299	
		Sucralose	0.31		ug/L	P431314	
		Benzovindiflupyr	0.0020	U	ug/L	P431299	
		Carbamazepine	8.0E-04	U	ug/L	P431299	
		Clothianidin	0.0020	U	ug/L	P431299	
		Dinotefuran	0.0020	U	ug/L	P431299	
		Diuron	0.0049	I	ug/L	P431299	
		Fenuron	0.032	U	ug/L	P431299	
		Fluridone	0.0090		ug/L	P431299	
		Imazapyr	0.0056	I	ug/L	P431299	
		Hydrocodone	0.0020	U	ug/L	P431299	
		Ibuprofen	0.080	U	ug/L	P431299	
		Imidacloprid	0.010		ug/L	P431299	
		Linuron	0.0040	U	ug/L	P431299	
		Mandestrobin	0.0020	U	ug/L	P431299	
		MCP	0.0020	U	ug/L	P431299	
		Naproxen	0.0080	U	ug/L	P431299	
		Primidone	0.0040	U	ug/L	P431299	
		Pyraclostrobin	0.0020	U	ug/L	P431299	
		Silvex	0.0040	U	ug/L	P431299	
		Thiamethoxam	0.0020	U	ug/L	P431299	
		Tolfenpyrad	0.0020	U	ug/L	P431299	
		Triclopyr	0.0040	U	ug/L	P431299	

Field ID: G2CE0072

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417656	EPA 8270E	Aldrin	0.65	UQ	ng/L	P432065	
		Alpha-BHC	0.10	UQ	ng/L	P432065	
		Alpha-Chlordane	0.20	UQ	ng/L	P432065	
		PCB-1016	2.1	U	ng/L	P431304	
		Beta-BHC	1.2	Q	ng/L	P432065	RPD
		PCB-1221	2.1	U	ng/L	P431304	
		Beta-Cyfluthrin	1.2	UQ	ng/L	P432065	
		PCB-1232	2.1	U	ng/L	P431304	
		Bifenthrin	0.50	UQ	ng/L	P432065	
		PCB-1242	2.1	U	ng/L	P431304	
		PCB-1248	2.1	U	ng/L	P431304	
		Chlorothalonil	3.6	UQ	ng/L	P432065	
		PCB-1254	2.1	U	ng/L	P431304	
		Cis-Nonachlor	0.20	UQ	ng/L	P432065	
		PCB-1260	2.1	U	ng/L	P431304	
		Cypermethrin	1.5	UQ	ng/L	P432065	
		Dacthal	0.15	UQJ	ng/L	P432065	CCV, RPD
		DDD-p,p'	0.25	UQ	ng/L	P432065	
		DDE-p,p'	0.20	UQ	ng/L	P432065	
		DDT-p,p'	0.80	UQ	ng/L	P432065	
		Delta-BHC	0.40	UQ	ng/L	P432065	
		Deltamethrin	1.2	UQ	ng/L	P432065	
		Dichlobenil	0.25	UQ	ng/L	P432065	
		Dicofol	1.2	UQ	ng/L	P432065	
		Dieldrin	0.54	IQ	ng/L	P432065	
		Endosulfan I	0.40	UQ	ng/L	P432065	MS, RPD
		Endosulfan II	0.90	UQ	ng/L	P432065	
		Endosulfan Sulfate	0.30	UQ	ng/L	P432065	
		Endrin	0.90	UQ	ng/L	P432065	
		Endrin Aldehyde	0.75	UQ	ng/L	P432065	
		Endrin Ketone	0.40	UQ	ng/L	P432065	
		Esfenvalerate	0.75	UQ	ng/L	P432065	
		Ethalfuralin	0.15	UQ	ng/L	P432065	
		Fenpropathrin	0.25	UQ	ng/L	P432065	
		Gamma-BHC	0.12	UQ	ng/L	P432065	MS, RPD
		Gamma-Chlordane	0.20	UQ	ng/L	P432065	
		Heptachlor	0.20	UQ	ng/L	P432065	
		Heptachlor Epoxide	0.25	UQ	ng/L	P432065	
		Hexachlorobenzene**	1.0	UQ	ng/L	P432065	
		Kepone	14	UQ	ng/L	P432065	
		Lambda-Cyhalothrin	0.75	UQ	ng/L	P432065	
		Methoprene	0.75	UQ	ng/L	P432065	
		Methoxychlor	0.30	UQ	ng/L	P432065	
		MGK-264	0.20	UQ	ng/L	P432065	RPD
		Mirex	0.35	UQ	ng/L	P432065	

Field ID: G2CE0072

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417656	EPA 8270E	Oxychlordane	0.30	UQ	ng/L	P432065	
		Permethrin	1.6	UQ	ng/L	P432065	
		Phenothrin	0.90	UQ	ng/L	P432065	
		Piperonyl Butoxide	0.26	IQ	ng/L	P432065	
		Prallethrin	2.0	UQ	ng/L	P432065	
		Tau-Fluvalinate	0.25	UQ	ng/L	P432065	
		Tetramethrin	0.75	UQ	ng/L	P432065	
		Trans-Nonachlor	0.20	UQ	ng/L	P432065	
		Triclosan Methyl	0.15	UQ	ng/L	P432065	
		Trifluralin	0.20	UQ	ng/L	P432065	
	EPA 8276	Chlordane	2.1	UJ	ng/L	P431304	MS
		Toxaphene	80	J	ng/L	P431304	MS
2417657	EPA 8270E	Oxybenzone**	11	U	ng/L	P431467	
		Acetochlor	0.22	U	ng/L	P431467	
		Octinoxate**	22	U	ng/L	P431467	
		Alachlor	0.44	U	ng/L	P431467	
		Avobenzone**	110	U	ng/L	P431467	
		Ametryn	3.8	I	ng/L	P431467	
		Atrazine	75		ng/L	P431467	
		PBDE-47**	4.4	U	ng/L	P431467	
		Atrazine Desethyl	19		ng/L	P431467	
		PBDE-99**	5.4	U	ng/L	P431467	
		Azinphos Methyl	3.3	U	ng/L	P431467	
		Tri-o-cresyl Phosphate**	6.5	U	ng/L	P431467	
		Azoxystrobin	0.44	U	ng/L	P431467	
		Bromacil	0.65	U	ng/L	P431467	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	13	U	ng/L	P431467	
		Butylate	0.22	U	ng/L	P431467	
		Dechlorane Plus**	33	U	ng/L	P431467	
		Caffeine**	12	I	ng/L	P431467	
		Dechlorane 602**	5.4	U	ng/L	P431467	
		Carbophenothion	0.54	U	ng/L	P431467	
		Dechlorane 603**	4.4	U	ng/L	P431467	MS
		Carfentrazone Ethyl	0.16	U	ng/L	P431467	
		Hexabromobenzene**	6.5	U	ng/L	P431467	
		Chlorfenapyr	0.33	U	ng/L	P431467	
		PBB-153**	8.7	U	ng/L	P431467	
		Chlorpyrifos Ethyl	0.33	U	ng/L	P431467	
		Pentabromotoluene**	3.3	U	ng/L	P431467	
		Chlorpyrifos Methyl	0.11	U	ng/L	P431467	
		Tris(2-chloroethyl) phosphate (TCEP)**	76	U	ng/L	P431467	
		Coumaphos	1.1	U	ng/L	P431467	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	35	I	ng/L	P431467	
		Cyanazine	5.4	U	ng/L	P431467	

Field ID: G2CE0072

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417657	EPA 8270E	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.7	U	ng/L	P431467	
		Cyprodinil	0.22	U	ng/L	P431467	
		Tetradecachloro-m-terphenyl**	8.2	U	ng/L	P431467	
		Demeton	3.8	U	ng/L	P431467	
		Diazinon	0.14	U	ng/L	P431467	
		Difenoconazole	0.65	U	ng/L	P431467	
		Dimethenamid	0.11	U	ng/L	P431467	
		Dimethomorph	0.33	U	ng/L	P431467	
		Disulfoton	0.65	U	ng/L	P431467	
		Dithiopyr	1.1	U	ng/L	P431467	
		EPTC	0.54	U	ng/L	P431467	
		Ethion	0.33	U	ng/L	P431467	
		Ethoprop	0.14	U	ng/L	P431467	
		Etridiazole	0.11	U	ng/L	P431467	
		Fenamiphos	0.49	U	ng/L	P431467	
		Fenbuconazole	0.54	U	ng/L	P431467	
		Fipronil	0.35	I	ng/L	P431467	
		Fipronil Desulfinyl**	1.3		ng/L	P431467	
		Fipronil Sulfide	0.56		ng/L	P431467	
		Fipronil Sulfone	1.5		ng/L	P431467	
		Fluazifop-P-butyl	0.11	U	ng/L	P431467	
		Fludioxonil	0.11	U	ng/L	P431467	
		Flumioxazin	3.3	U	ng/L	P431467	
		Flutolanil	0.11	U	ng/L	P431467	
		Fluxapyroxad	0.33	I	ng/L	P431467	
		Fonofos	0.16	U	ng/L	P431467	
		Hexazinone	0.54	U	ng/L	P431467	
		Imazalil	0.71	U	ng/L	P431467	
		Iprodione	0.54	UJ	ng/L	P431467	CCV, MS, RPD
		Loratadine**	0.33	U	ng/L	P431467	
		Malathion	0.38	U	ng/L	P431467	
		Metalaxyl	2.1	I	ng/L	P431467	
		Metolachlor	0.82	U	ng/L	P431467	
		Metribuzin	0.44	U	ng/L	P431467	
		Mevinphos	1.1	U	ng/L	P431467	MS
		Molinate	0.27	U	ng/L	P431467	
		Myclobutanil	9.1		ng/L	P431467	
		Naled	2.7	U	ng/L	P431467	
		Napropamide	0.76	U	ng/L	P431467	
		Norflurazon	1.1	U	ng/L	P431467	
		Oxadiazon	0.38	U	ng/L	P431467	
		Oxyfluorfen	0.22	U	ng/L	P431467	
		Parathion Ethyl	0.16	U	ng/L	P431467	
		Parathion Methyl	0.22	U	ng/L	P431467	

Field ID: G2CE0072

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417657	EPA 8270E	Pendimethalin	0.82	U	ng/L	P431467	
		Phenytol**	5.8	U	ng/L	P431467	
		Phorate	0.27	U	ng/L	P431467	
		Prodiamine	0.22	U	ng/L	P431467	
		Prometon	3.3	U	ng/L	P431467	
		Prometryn	0.38	U	ng/L	P431467	
		Pronamide	0.11	U	ng/L	P431467	
		Propanil	0.11	U	ng/L	P431467	
		Propargite	0.87	U	ng/L	P431467	
		Propiconazole	0.65	U	ng/L	P431467	
		Pyraflufen Ethyl	0.33	U	ng/L	P431467	
		Pyridaben	1.5	U	ng/L	P431467	
		Pyriproxyfen	0.27	U	ng/L	P431467	
		Simazine	2.6		ng/L	P431467	
		Stirophos	0.44	U	ng/L	P431467	
		Sulfentrazone	1.5	U	ng/L	P431467	
		Tebuconazole	4.2	I	ng/L	P431467	
		Terbufos	0.22	U	ng/L	P431467	
		Terbutylazine	0.22	U	ng/L	P431467	
		Thiobencarb	0.54	U	ng/L	P431467	
		Triadimefon	0.16	U	ng/L	P431467	

Ref. Method and Comment:

EPA 8270E: Sample expired for preparation due to need for re-extraction. MS accuracy for dieldrin not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

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

EPA 8270E: MS accuracy for atrazine not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: FB

Collection Date/Time: 06/14/2023 11:59

Field ID: FB_06142023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417645	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P431339	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P431349	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P431682	
		Sulfate	0.20	U	mg SO4/L	P431685	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P431569	
	SM 2540 C-2015	TDS	15	U	mg/L	P431885	
	SM 2540 D-2015	TSS	2	U	mg/L	P431825	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P431572	
2417646	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P431529	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P431702	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P431721	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P431453	
	SM 5310 B-2011	Organic Carbon	0.50	U	mg C/L	P431590	
2417654	EPA 8321B	Aldicarb	0.020	U	ug/L	P431332	
		Aldicarb Sulfone	0.0020	U	ug/L	P431332	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P431332	MS
		Carbaryl	0.0020	U	ug/L	P431332	
		Carbofuran	0.0020	U	ug/L	P431332	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P431332	
		Methiocarb	0.0020	U	ug/L	P431332	
		Methomyl	0.0020	U	ug/L	P431332	
		Oxamyl	0.0020	U	ug/L	P431332	
		Propoxur	0.0020	U	ug/L	P431332	
2417655		2,4-D	0.0020	U	ug/L	P431299	
		Acesulfame K	0.10	U	ug/L	P431314	
		2,4,5-T	0.0040	U	ug/L	P431299	
		AMPA	0.10	U	ug/L	P431314	
		Acetaminophen	0.0080	U	ug/L	P431299	
		Acetamiprid	0.0020	U	ug/L	P431299	
		Endothall	0.25	U	ug/L	P431314	
		Glufosinate	0.10	U	ug/L	P431314	
		Glyphosate	0.10	U	ug/L	P431314	
		Afidopyropen	0.0020	U	ug/L	P431299	
		Bentazon	8.0E-04	U	ug/L	P431299	
		Sucralose	0.010	U	ug/L	P431314	
		Benzovindiflupyr	0.0020	U	ug/L	P431299	
		Carbamazepine	8.0E-04	U	ug/L	P431299	
		Clothianidin	0.0020	U	ug/L	P431299	
		Dinotefuran	0.0020	U	ug/L	P431299	
		Diuron	0.0020	U	ug/L	P431299	RPD
		Fenuron	0.032	U	ug/L	P431299	
		Fluridone	8.0E-04	U	ug/L	P431299	
		Imazapyr	0.0040	U	ug/L	P431299	
		Hydrocodone	0.0020	U	ug/L	P431299	

Field ID: FB_06142023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417655	EPA 8321B	Ibuprofen	0.080	U	ug/L	P431299	
		Imidacloprid	0.0020	U	ug/L	P431299	
		Linuron	0.0040	U	ug/L	P431299	
		Mandestrobin	0.0020	U	ug/L	P431299	
		MCP	0.0020	U	ug/L	P431299	
		Naproxen	0.0080	U	ug/L	P431299	
		Primidone	0.0040	U	ug/L	P431299	
		Pyraclostrobin	0.0020	U	ug/L	P431299	
		Silvex	0.0040	U	ug/L	P431299	
		Thiamethoxam	0.0020	U	ug/L	P431299	
		Tolfenpyrad	0.0020	U	ug/L	P431299	
		Triclopyr	0.0040	U	ug/L	P431299	
2417658	EPA 8270E	Aldrin	0.65	UQ	ng/L	P432065	
		Alpha-BHC	0.10	UQ	ng/L	P432065	
		Alpha-Chlordane	0.20	UQ	ng/L	P432065	
		PCB-1016	2.0	U	ng/L	P431304	
		Beta-BHC	0.10	UQ	ng/L	P432065	RPD
		PCB-1221	2.0	U	ng/L	P431304	
		Beta-Cyfluthrin	1.2	UQ	ng/L	P432065	
		PCB-1232	2.0	U	ng/L	P431304	
		Bifenthrin	0.50	UQ	ng/L	P432065	
		PCB-1242	2.0	U	ng/L	P431304	
		PCB-1248	2.0	U	ng/L	P431304	
		Chlorothalonil	3.6	UQ	ng/L	P432065	
		PCB-1254	2.0	U	ng/L	P431304	
		Cis-Nonachlor	0.20	UQ	ng/L	P432065	
		PCB-1260	2.0	U	ng/L	P431304	
		Cypermethrin	1.5	UQ	ng/L	P432065	
		Dacthal	0.15	UQJ	ng/L	P432065	CCV, RPD
		DDD-p,p'	0.25	UQ	ng/L	P432065	
		DDE-p,p'	0.20	UQ	ng/L	P432065	
		DDT-p,p'	0.80	UQ	ng/L	P432065	
		Delta-BHC	0.40	UQ	ng/L	P432065	
		Deltamethrin	1.2	UQ	ng/L	P432065	
		Dichlobenil	0.25	UQ	ng/L	P432065	
		Dicofol	1.2	UQ	ng/L	P432065	
		Diieldrin	0.40	UQ	ng/L	P432065	
		Endosulfan I	0.40	UQ	ng/L	P432065	MS, RPD
		Endosulfan II	0.90	UQ	ng/L	P432065	
		Endosulfan Sulfate	0.30	UQ	ng/L	P432065	
		Endrin	0.90	UQ	ng/L	P432065	
		Endrin Aldehyde	0.75	UQ	ng/L	P432065	
		Endrin Ketone	0.40	UQ	ng/L	P432065	
		Esfenvalerate	0.75	UQ	ng/L	P432065	
		Ethalfuralin	0.15	UQ	ng/L	P432065	

Field ID: FB_06142023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417658	EPA 8270E	Fenpropathrin	0.25	UQ	ng/L	P432065	MS, RPD
		Gamma-BHC	0.12	UQ	ng/L	P432065	
		Gamma-Chlordane	0.20	UQ	ng/L	P432065	
		Heptachlor	0.20	UQ	ng/L	P432065	
		Heptachlor Epoxide	0.25	UQ	ng/L	P432065	
		Hexachlorobenzene**	1.0	UQ	ng/L	P432065	
		Kepone	14	UQ	ng/L	P432065	
		Lambda-Cyhalothrin	0.75	UQ	ng/L	P432065	
		Methoprene	0.75	UQ	ng/L	P432065	
		Methoxychlor	0.30	UQ	ng/L	P432065	
		MGK-264	0.20	UQ	ng/L	P432065	RPD
		Mirex	0.35	UQ	ng/L	P432065	
		Oxychlordane	0.30	UQ	ng/L	P432065	
		Permethrin	1.6	UQ	ng/L	P432065	
		Phenothrin	0.90	UQ	ng/L	P432065	
		Piperonyl Butoxide	0.15	UQ	ng/L	P432065	
		Prallethrin	2.0	UQ	ng/L	P432065	
		Tau-Fluvalinate	0.25	UQ	ng/L	P432065	
		Tetramethrin	0.75	UQ	ng/L	P432065	
		Trans-Nonachlor	0.20	UQ	ng/L	P432065	
		Triclosan Methyl	0.15	UQ	ng/L	P432065	
		Trifluralin	0.20	UQ	ng/L	P432065	
2417659	EPA 8270E	Chlordane	2.0	U	ng/L	P431304	MS
		Toxaphene	15	U	ng/L	P431304	
		Oxybenzone**	10	U	ng/L	P431467	
		Acetochlor	0.20	U	ng/L	P431467	
		Octinoxate**	20	U	ng/L	P431467	
		Alachlor	0.41	U	ng/L	P431467	
		Avobenzone**	100	U	ng/L	P431467	
		Ametryn	1.1	U	ng/L	P431467	
		Atrazine	0.20	U	ng/L	P431467	
		PBDE-47**	4.1	U	ng/L	P431467	
		Atrazine Desethyl	1.3	U	ng/L	P431467	
		PBDE-99**	5.1	U	ng/L	P431467	
		Azinphos Methyl	3.0	U	ng/L	P431467	
		Tri-o-cresyl Phosphate**	6.1	U	ng/L	P431467	
		Azoxystrobin	0.41	U	ng/L	P431467	
		Bromacil	0.61	U	ng/L	P431467	
		2-Ethylhexyl	12	U	ng/L	P431467	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.20	U	ng/L	P431467	
		Dechlorane Plus**	30	U	ng/L	P431467	
		Caffeine**	7.6	U	ng/L	P431467	
		Dechlorane 602**	5.1	U	ng/L	P431467	
		Carbophenothion	0.51	U	ng/L	P431467	

Field ID: FB_06142023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417659	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P431467	MS
		Carfentrazone Ethyl	0.15	U	ng/L	P431467	
		Hexabromobenzene**	6.1	U	ng/L	P431467	
		Chlorfenapyr	0.30	U	ng/L	P431467	
		PBB-153**	8.1	U	ng/L	P431467	
		Chlorpyrifos Ethyl	0.30	U	ng/L	P431467	
		Pentabromotoluene**	3.0	U	ng/L	P431467	
		Chlorpyrifos Methyl	0.10	U	ng/L	P431467	
		Tris(2-chloroethyl) phosphate (TCEP)**	71	U	ng/L	P431467	
		Coumaphos	1.1	U	ng/L	P431467	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	15	U	ng/L	P431467	
		Cyanazine	5.1	U	ng/L	P431467	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.5	U	ng/L	P431467	
		Cyprodinil	0.20	U	ng/L	P431467	
		Tetradecachloro-m-terphenyl**	7.6	U	ng/L	P431467	
		Demeton	3.6	U	ng/L	P431467	
		Diazinon	0.13	U	ng/L	P431467	
		Difenoconazole	0.61	U	ng/L	P431467	
		Dimethenamid	0.10	U	ng/L	P431467	
		Dimethomorph	0.30	U	ng/L	P431467	
		Disulfoton	0.61	U	ng/L	P431467	
		Dithiopyr	1.0	U	ng/L	P431467	
		EPTC	0.51	U	ng/L	P431467	
		Ethion	0.30	U	ng/L	P431467	
		Ethoprop	0.13	U	ng/L	P431467	
		Etridiazole	0.10	U	ng/L	P431467	
		Fenamiphos	0.46	U	ng/L	P431467	
		Fenbuconazole	0.51	U	ng/L	P431467	
		Fipronil	0.20	U	ng/L	P431467	
		Fipronil Desulfinyl**	0.10	U	ng/L	P431467	
		Fipronil Sulfide	0.10	U	ng/L	P431467	
		Fipronil Sulfone	0.10	U	ng/L	P431467	
		Fluazifop-P-butyl	0.10	U	ng/L	P431467	
		Fludioxonil	0.10	U	ng/L	P431467	
		Flumioxazin	3.0	U	ng/L	P431467	
		Flutolanil	0.10	U	ng/L	P431467	
		Fluxapyroxad	0.25	U	ng/L	P431467	
		Fonofos	0.15	U	ng/L	P431467	
		Hexazinone	0.51	U	ng/L	P431467	
		Imazalil	0.66	U	ng/L	P431467	
		Iprodione	0.51	UJ	ng/L	P431467	CCV, MS, RPD
		Loratadine**	0.30	U	ng/L	P431467	
		Malathion	0.36	U	ng/L	P431467	
		Metalaxyl	0.51	U	ng/L	P431467	

Field ID: FB_06142023

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2417659	EPA 8270E	Metolachlor	0.76	U	ng/L	P431467	
		Metribuzin	0.41	U	ng/L	P431467	
		Mevinphos	1.0	U	ng/L	P431467	MS
		Molinate	0.25	U	ng/L	P431467	
		Myclobutanil	0.36	U	ng/L	P431467	
		Naled	2.5	U	ng/L	P431467	
		Napropamide	0.71	U	ng/L	P431467	
		Norflurazon	1.0	U	ng/L	P431467	
		Oxadiazon	0.36	U	ng/L	P431467	
		Oxyfluorfen	0.20	U	ng/L	P431467	
		Parathion Ethyl	0.15	U	ng/L	P431467	
		Parathion Methyl	0.20	U	ng/L	P431467	
		Pendimethalin	0.76	U	ng/L	P431467	
		Phenytion**	5.4	U	ng/L	P431467	
		Phorate	0.25	U	ng/L	P431467	
		Prodiamine	0.20	U	ng/L	P431467	
		Prometon	3.0	U	ng/L	P431467	
		Prometryn	0.36	U	ng/L	P431467	
		Pronamide	0.10	U	ng/L	P431467	
		Propanil	0.10	U	ng/L	P431467	
		Propargite	0.81	U	ng/L	P431467	
		Propiconazole	0.61	U	ng/L	P431467	
		Pyraflufen Ethyl	0.30	U	ng/L	P431467	
		Pyridaben	1.4	U	ng/L	P431467	
		Pyriproxyfen	0.25	U	ng/L	P431467	
		Simazine	0.25	U	ng/L	P431467	
		Stirophos	0.41	U	ng/L	P431467	
		Sulfentrazone	1.4	U	ng/L	P431467	
		Tebuconazole	1.4	U	ng/L	P431467	
		Terbufos	0.20	U	ng/L	P431467	
		Terbuthylazine	0.20	U	ng/L	P431467	
		Thiobencarb	0.51	U	ng/L	P431467	
		Triadimefon	0.15	U	ng/L	P431467	

Ref. Method and Comment:

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

EPA 8270E: Sample expired for preparation due to need for re-extraction. MS accuracy for dieldrin not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

EPA 8270E: MS accuracy for atrazine not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P431338

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: DEP SOP: NU-094-1
Batch ID: P431339

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P431349

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431682

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431685

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431529

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431660

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431700

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431702

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431720

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431721

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431453

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

Reference Method: EPA 8270E
Batch ID: P431304

Component	Result	Code	Units
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

Reference Method: EPA 8270E
Batch ID: P431467

Component	Result	Code	Units
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P431467

Component	Result	Code	Units
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.20	U	ng/L
Butylate	0.20	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P431467

Component	Result	Code	Units
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P431467

Component	Result	Code	Units
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	8.0	U	ng/L
PBB-153	8.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	6.4	I	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytol	5.3	U	ng/L
Phenytol	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prodiamine	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P431467

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

Reference Method: EPA 8270E

Batch ID: P432065

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P432065

Component	Result	Code	Units
DDT-p,p'	0.80	U	ng/L
DDT-p,p'	0.80	U	ng/L
Delta-BHC	0.40	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L
Endrin	0.90	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L
Kepone	14	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Mirex	0.35	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P432065

Component	Result	Code	Units
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276

Batch ID: P431304

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

Reference Method: EPA 8321B

Batch ID: P431299

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B

Batch ID: P431299

Component	Result	Code	Units
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B

Batch ID: P431314

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: P431332

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

Reference Method: SM 2320 B-2011

Batch ID: P431569

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

Reference Method: SM 2540 C-2015

Batch ID: P431885

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015

Batch ID: P431825

Component	Result	Code	Units
-----------	--------	------	-------

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 D-2015
Batch ID: P431825

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P431572

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P431590

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: P431338

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

Reference Method: DEP SOP: NU-094-1
Batch ID: P431339

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P431349

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431682

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431685

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	97.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431529

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431660

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	96.0		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431700

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431702

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P431720

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

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P431721

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

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P431453

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total-P	97.7		P	90 - 110

Reference Method: EPA 8270E

Batch ID: P431304

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PCB-1016	66.4		P	48 - 112
PCB-1260	73.1		P	44 - 118

Reference Method: EPA 8270E

Batch ID: P431467

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	107		P	42 - 162
Acetochlor	80.6		P	69 - 123
Alachlor	88.2		P	65 - 118
Ametryn	107		P	58 - 141
Atrazine	96.1		P	73 - 118
Atrazine Desethyl	88.1		P	32 - 125
Avobenzone	121		P	40 - 203
Azinphos Methyl	107		P	36 - 197
Azoxystrobin	103		P	58 - 226
Bromacil	104		P	48 - 120
Butylate	55.5		P	27 - 85.0
Caffeine	100		P	40 - 137
Carbophenothion	102		P	54 - 132
Carfentrazone Ethyl	115		P	60 - 142
Chlorfenapyr	88.4		P	53 - 117
Chlorpyrifos Ethyl	96.4		P	59 - 116
Chlorpyrifos Methyl	94.6		P	66 - 119
Coumaphos	71.4		P	11 - 234
Cyanazine	193		P	61 - 248
Cyprodinil	107		P	50 - 147
Dechlorane 602	98.0		P	50 - 150
Dechlorane 603	134		P	50 - 150
Dechlorane Plus	99.8		P	47 - 182
Demeton	88.1		P	30 - 138
Diazinon	110		P	67 - 126
Difenoconazole	129		P	38 - 205
Dimethenamid	91.5		P	57 - 111

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P431467

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dimethomorph	191		P	16 - 212
Disulfoton	101		P	46 - 126
Dithiopyr	103		P	62 - 115
EPTC	51.5		P	28 - 80.0
Ethion	83.4		P	24 - 122
Ethoprop	95.6		P	62 - 113
Etridiazole	70.0		P	28 - 92.0
Fenamiphos	92.8		P	57 - 128
Fenbuconazole	70.7		P	52 - 155
Fipronil	106		P	63 - 130
Fipronil Desulfinyl	100		P	61 - 130
Fipronil Sulfide	93.5		P	56 - 117
Fipronil Sulfone	83.8		P	52 - 118
Fluazifop-P-butyl	96.3		P	61 - 128
Fludioxonil	89.7		P	59 - 129
Flumioxazin	114		P	30 - 250
Flutolanil	93.6		P	53 - 127
Fluxapyroxad	103		P	42 - 132
Fonofos	93.8		P	61 - 110
Hexabromobenzene	133		P	50 - 150
Hexazinone	98.8		P	46 - 139
Imazalil	101		P	40 - 139
Iprodione	118		P	40 - 146
Loratadine	181		P	10 - 224
Malathion	101		P	61 - 135
Metalaxyl	97.4		P	58 - 121
Metolachlor	101		P	64 - 118
Metribuzin	95.8		P	45 - 245
Mevinphos	97.1		P	49 - 118
Molinate	57.3		P	42 - 92.0
Myclobutanil	98.0		P	55 - 127
Naled	48.5		P	10 - 114
Napropamide	85.0		P	39 - 121
Norflurazon	62.3		P	55 - 129
Octinoxate	123		P	26 - 166
Oxadiazon	94.6		P	54 - 115
Oxybenzone	128		P	49 - 135
Oxyfluorfen	112		P	64 - 139
Parathion Ethyl	103		P	70 - 111
Parathion Methyl	104		P	76 - 136
PBB-153	130		P	50 - 150
PBDE-47	112		P	41 - 148
PBDE-99	96.6		P	38 - 147
Pendimethalin	112		P	52 - 118
Pentabromotoluene	123		P	50 - 150
Phenytol	22.8		P	10 - 162
Phorate	87.6		P	40 - 122
Prodiamine	48.2		P	26 - 141
Prometon	98.7		P	54 - 122
Prometryn	118		P	61 - 128
Pronamide	114		P	72 - 121
Propanil	119		P	45 - 144

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P431467

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Propargite	65.7		P	10 - 199
Propiconazole	89.1		P	56 - 127
Pyraflufen Ethyl	97.7		P	56 - 140
Pyridaben	125		P	26 - 211
Pyriproxyfen	85.5		P	33 - 194
Simazine	91.1		P	67 - 121
Stirophos	69.2		P	20 - 142
Sulfentrazone	77.2		P	21 - 144
Tebuconazole	70.0		P	10 - 122
Terbufos	109		P	60 - 129
Terbuthylazine	86.5		P	69 - 113
Tetradecachloro-m-terphenyl	141		P	70 - 200
Thiobencarb	93.6		P	51 - 120
Tri-o-cresyl Phosphate	123		P	49 - 150
Triadimefon	96.6		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	121		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	111		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	117		P	70 - 180

Reference Method: EPA 8270E

Batch ID: P432065

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	49.6		P	30 - 96.0
Alpha-BHC	82.7		P	70 - 109
Alpha-Chlordane	46.7		P	45 - 107
Beta-BHC	80.1		P	64 - 138
Beta-Cyfluthrin	57.2		P	17 - 141
Bifenthrin	61.2		P	10 - 113
Chlorothalonil	97.5		P	26 - 180
Cis-Nonachlor	95.0		P	37 - 102
Cypermethrin	51.1		P	20 - 133
Dacthal	94.8		P	69 - 114
DDD-p,p'	47.5		P	42 - 105
DDE-p,p'	49.6		P	42 - 106
DDT-p,p'	72.0		P	42 - 107
Delta-BHC	67.3		P	67 - 144
Deltamethrin	55.7		P	15 - 149
Dichlobenil	67.6		P	46 - 117
Dicofol	78.2		P	34 - 114
Dieldrin	88.5		P	50 - 108
Endosulfan I	64.5		P	55 - 104
Endosulfan II	53.1		P	51 - 111
Endosulfan Sulfate	67.9		P	56 - 121
Endrin	81.5		P	10 - 106
Endrin Aldehyde	71.9		P	34 - 114
Endrin Ketone	73.0		P	63 - 177
Esfenvalerate	53.4		P	29 - 143
Ethalfuralin	54.3		P	46 - 96.0
Fenpropathrin	82.4		P	28 - 115
Gamma-BHC	85.0		P	65 - 121
Gamma-Chlordane	48.6		P	39 - 103

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P432065

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Heptachlor	81.2		P	39 - 94.0
Heptachlor Epoxide	56.2		P	54 - 104
Hexachlorobenzene	71.9		P	36 - 100
Kepone	73.3		P	10 - 225
Lambda-Cyhalothrin	41.0		P	10 - 135
Methoprene	36.0		P	10 - 109
Methoxychlor	75.2		P	52 - 112
MGK-264	79.9		P	44 - 117
Mirex	58.0		P	20 - 90.0
Oxychlordane	44.3		P	44 - 102
Permethrin	52.4		P	18 - 135
Phenothrin	56.6		P	10 - 102
Piperonyl Butoxide	84.8		P	28 - 156
Prallethrin	65.1		P	28 - 113
Tau-Fluvalinate	51.6		P	10 - 123
Tetramethrin	75.6		P	18 - 158
Trans-Nonachlor	78.6		P	39 - 104
Triclosan Methyl	64.9		P	54 - 108
Trifluralin	70.3		P	46 - 97.0

Reference Method: EPA 8276

Batch ID: P431304

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	79.3		P	53 - 126
Toxaphene	95.2		P	56 - 211

Reference Method: EPA 8321B

Batch ID: P431299

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P431299

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Primidone	77.1		P	40 - 150
Pyraclostrobin	87.0		P	40 - 150
Silvex	96.2		P	40 - 150
Thiamethoxam	83.2		P	40 - 150
Tolfenpyrad	60.4		P	30 - 150
Triclopyr	93.5		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P431314

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	146		P	40 - 150
AMPA	81.6		P	40 - 150
Endothall	97.0		P	40 - 150
Glufosinate	102		P	40 - 150
Glyphosate	107		P	40 - 150
Sucralose	120		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P431332

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	54.2		P	40 - 150
Aldicarb	40.7		P	30 - 150
Aldicarb Sulfone	77.9		P	40 - 150
Aldicarb Sulfoxide	93.0		P	40 - 150
Carbaryl	77.8		P	40 - 150
Carbofuran	69.8		P	40 - 150
Methiocarb	65.1		P	40 - 150
Methomyl	76.4		P	40 - 150
Oxamyl	70.9		P	40 - 150
Propoxur	66.3		P	40 - 150

Reference Method: SM 2320 B-2011

Batch ID: P431569

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	97.3		P	92 - 105

Reference Method: SM 2540 C-2015

Batch ID: P431885

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

Reference Method: SM 2540 D-2015

Batch ID: P431825

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	95.8		P	85 - 106

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P431572

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

Reference Method: SM 5310 B-2011
Batch ID: P431590

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	93.5		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431682

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417496	Chloride	99.0		P	90 - 110
2417639	Chloride	99.8		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431685

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417496	Sulfate	93.1		P	90 - 110
2417639	Sulfate	95.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431529

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417529	Ammonia-N	102	97.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431660

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2416701	Ammonia-N	92.4	95.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431700

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417531	Kjeldahl Nitrogen	105	106	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431702

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417913	Kjeldahl Nitrogen	102	105	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431720

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417497	NO2NO3-N	100	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431721

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417644	NO2NO3-N	105	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431453

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417642	Total-P	97.2	98.6	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P431304

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417656	PCB-1016	54.0	56.2	P/P	46 - 111
2417656	PCB-1260	46.3	45.7	P/P	45 - 114

Reference Method: EPA 8270E

Batch ID: P431467

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417501	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	130	113	P/P	26 - 165
2417501	Acetochlor	70.3	103	P/P	67 - 124
2417501	Alachlor	80.8	78.5	P/P	60 - 120
2417501	Ametryn	150	143	P/P	54 - 216
2417501	Atrazine Desethyl	115	111	P/P	15 - 122
2417501	Avobenzene	132	121	P/P	37 - 178
2417501	Azinphos Methyl	153	122	P/P	40 - 292
2417501	Azoxystrobin	132	126	P/P	35 - 220
2417501	Bromacil	108	114	P/P	45 - 127
2417501	Butylate	58.2	55.0	P/P	20 - 83.0
2417501	Caffeine	108	107	P/P	10 - 194
2417501	Carbophenothion	125	106	P/P	57 - 127
2417501	Carfentrazone Ethyl	138	126	P/P	51 - 141
2417501	Chlorfenapyr	99.6	93.5	P/P	46 - 111
2417501	Chlorpyrifos Ethyl	93.8	101	P/P	52 - 120
2417501	Chlorpyrifos Methyl	87.8	90.0	P/P	63 - 119
2417501	Coumaphos	179	145	P/P	10 - 228
2417501	Cyanazine	213	180	P/P	59 - 241
2417501	Cyprodinil	103	78.3	P/P	47 - 146
2417501	Dechlorane 602	121	113	P/P	50 - 150
2417501	Dechlorane 603	160	156	F/F	50 - 150
2417501	Dechlorane Plus	97.6	98.0	P/P	50 - 150
2417501	Demeton	98.1	93.3	P/P	40 - 136
2417501	Diazinon	110	114	P/P	69 - 132
2417501	Difenoconazole	229	200	P/P	57 - 258
2417501	Dimethenamid	89.4	96.3	P/P	54 - 110
2417501	Dimethomorph	165	184	P/P	28 - 210
2417501	Disulfoton	111	107	P/P	43 - 133
2417501	Dithiopyr	111	110	P/P	39 - 116
2417501	EPTC	49.4	44.8	P/P	20 - 78.0
2417501	Ethion	93.8	81.4	P/P	17 - 119
2417501	Ethoprop	101	100	P/P	66 - 120
2417501	Etridiazole	83.4	66.1	P/P	28 - 96.0
2417501	Fenamiphos	82.4	91.8	P/P	41 - 126
2417501	Fenbuconazole	108	95.7	P/P	42 - 169
2417501	Fipronil	118	106	P/P	61 - 132
2417501	Fipronil Desulfinyl	111	99.5	P/P	56 - 132
2417501	Fipronil Sulfide	94.9	95.4	P/P	48 - 119
2417501	Fipronil Sulfone	95.7	101	P/P	42 - 131
2417501	Fluazifop-P-butyl	80.5	94.7	P/P	53 - 131
2417501	Fludioxonil	91.7	105	P/P	56 - 127
2417501	Flumioxazin	214	194	P/P	19 - 300
2417501	Flutolanil	96.1	99.9	P/P	41 - 127
2417501	Fluxapyroxad	123	112	P/P	42 - 172
2417501	Fonofos	90.1	87.3	P/P	59 - 113

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P431467

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417501	Hexabromobenzene	145	139	P/P	50 - 150
2417501	Hexazinone	108	109	P/P	66 - 122
2417501	Imazalil	107	94.7	P/P	21 - 283
2417501	Iprodione	94.9	190	P/F	43 - 150
2417501	Loratadine	137	154	P/P	23 - 201
2417501	Malathion	115	105	P/P	58 - 136
2417501	Metalaxyl	111	89.2	P/P	55 - 120
2417501	Metolachlor	80.0	98.7	P/P	57 - 121
2417501	Metribuzin	104	105	P/P	58 - 294
2417501	Mevinphos	143	110	F/P	50 - 126
2417501	Molinate	54.2	60.1	P/P	42 - 93.0
2417501	Myclobutanil	118	102	P/P	55 - 125
2417501	Naled	44.9	46.4	P/P	18 - 200
2417501	Napropamide	78.1	103	P/P	39 - 110
2417501	Norflurazon	120	104	P/P	48 - 128
2417501	Octinoxate	128	126	P/P	21 - 159
2417501	Oxadiazon	106	95.2	P/P	43 - 112
2417501	Oxybenzone	141	136	P/P	41 - 142
2417501	Oxyfluorfen	118	121	P/P	64 - 153
2417501	Parathion Ethyl	106	96.7	P/P	69 - 114
2417501	Parathion Methyl	96.6	82.6	P/P	79 - 139
2417501	PBB-153	149	144	P/P	50 - 150
2417501	PBDE-47	121	118	P/P	27 - 144
2417501	PBDE-99	117	109	P/P	18 - 150
2417501	Pendimethalin	123	105	P/P	50 - 139
2417501	Pentabromotoluene	132	123	P/P	50 - 150
2417501	Phenytoin	41.7	36.9	P/P	10 - 146
2417501	Phorate	127	112	P/P	54 - 161
2417501	Prodiamine	55.7	53.0	P/P	30 - 161
2417501	Prometon	102	99.2	P/P	45 - 134
2417501	Prometryn	111	116	P/P	45 - 137
2417501	Pronamide	131	117	P/P	65 - 133
2417501	Propanil	138	122	P/P	49 - 142
2417501	Propargite	92.3	80.8	P/P	10 - 203
2417501	Propiconazole	124	105	P/P	38 - 146
2417501	Pyraflufen Ethyl	126	111	P/P	34 - 153
2417501	Pyridaben	171	137	P/P	12 - 192
2417501	Pyriproxyfen	134	108	P/P	33 - 180
2417501	Simazine	96.2	95.6	P/P	51 - 157
2417501	Stirophos	53.1	83.0	P/P	10 - 128
2417501	Sulfentrazone	119	87.3	P/P	53 - 186
2417501	Tebuconazole	98.0	91.2	P/P	10 - 133
2417501	Terbufos	121	116	P/P	65 - 139
2417501	Terbutylazine	90.5	91.7	P/P	66 - 117
2417501	Tetradecachloro-m-terphenyl	126	135	P/P	70 - 200
2417501	Thiobencarb	97.1	91.4	P/P	51 - 119
2417501	Tri-o-cresyl Phosphate	129	129	P/P	31 - 144
2417501	Triadimefon	114	90.4	P/P	48 - 119
2417501	Tris(1-chloro-2-propyl) phosphate (TCPP)	108	104	P/P	50 - 150
2417501	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	120	121	P/P	50 - 150
2417501	Tris(2-chloroethyl) phosphate (TCEP)	120	121	P/P	70 - 180

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P432065

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2422038	Aldrin	48.3	52.8	P/P	24 - 81.0
2422038	Alpha-BHC	73.5	88.4	P/P	65 - 110
2422038	Alpha-Chlordane	77.0	76.1	P/P	43 - 119
2422038	Beta-BHC	61.3	110	P/P	54 - 165
2422038	Beta-Cyfluthrin	40.2	43.7	P/P	27 - 165
2422038	Bifenthrin	45.9	51.5	P/P	17 - 117
2422038	Chlorothalonil	70.7	68.0	P/P	10 - 255
2422038	Cis-Nonachlor	56.4	63.2	P/P	34 - 98.0
2422038	Cypermethrin	46.1	50.6	P/P	25 - 143
2422038	Dacthal	77.2	114	P/P	55 - 139
2422038	DDD-p,p'	54.8	51.1	P/P	30 - 109
2422038	DDE-p,p'	54.0	44.2	P/P	35 - 106
2422038	DDT-p,p'	60.1	66.1	P/P	41 - 101
2422038	Delta-BHC	78.3	97.1	P/P	58 - 165
2422038	Deltamethrin	47.3	53.4	P/P	10 - 194
2422038	Dichlobenil	50.1	63.7	P/P	22 - 114
2422038	Dicofol	67.5	93.4	P/P	17 - 133
2422038	Endosulfan I	71.1	125	P/F	49 - 104
2422038	Endosulfan II	60.2	54.4	P/P	37 - 117
2422038	Endosulfan Sulfate	61.0	68.4	P/P	38 - 128
2422038	Endrin	56.7	57.8	P/P	35 - 116
2422038	Endrin Aldehyde	63.1	52.9	P/P	19 - 108
2422038	Endrin Ketone	76.2	60.2	P/P	44 - 134
2422038	Esfenvalerate	58.3	56.8	P/P	27 - 176
2422038	Ethalfuralin	65.7	55.5	P/P	49 - 100
2422038	Fenpropathrin	56.9	62.7	P/P	34 - 117
2422038	Gamma-BHC	96.0	143	P/F	59 - 129
2422038	Gamma-Chlordane	60.9	68.3	P/P	33 - 107
2422038	Heptachlor	67.1	71.2	P/P	37 - 94.0
2422038	Heptachlor Epoxide	75.0	61.9	P/P	38 - 118
2422038	Hexachlorobenzene	72.8	91.8	P/P	35 - 97.0
2422038	Kepone	40.8	68.7	P/P	10 - 221
2422038	Lambda-Cyhalothrin	46.1	49.1	P/P	23 - 190
2422038	Methoprene	41.5	34.1	P/P	21 - 109
2422038	Methoxychlor	57.8	77.9	P/P	46 - 118
2422038	MGK-264	55.9	107	P/P	39 - 122
2422038	Mirex	39.0	40.0	P/P	25 - 90.0
2422038	Oxychlordane	64.9	68.5	P/P	42 - 100
2422038	Permethrin	46.0	41.2	P/P	33 - 181
2422038	Phenothrin	67.6	79.0	P/P	12 - 125
2422038	Piperonyl Butoxide	62.7	74.3	P/P	10 - 178
2422038	Prallethrin	67.3	68.6	P/P	24 - 122
2422038	Tau-Fluvalinate	53.5	54.6	P/P	13 - 151
2422038	Tetramethrin	71.9	77.1	P/P	16 - 172
2422038	Trans-Nonachlor	66.3	75.3	P/P	39 - 100
2422038	Triclosan Methyl	71.9	93.0	P/P	43 - 110
2422038	Trifluralin	63.4	67.4	P/P	45 - 94.0

Reference Method: EPA 8276

Batch ID: P431304

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
---------------	-----------	---------	---------	-----------	----------------

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8276

Batch ID: P431304

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417656	Chlordane	46.4	43.3	F/F	53 - 126
2417656	Toxaphene	29.6	26.6	F/F	56 - 211

Reference Method: EPA 8321B

Batch ID: P431299

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

Reference Method: EPA 8321B

Batch ID: P431314

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417495	Acesulfame K	135	135	P/P	40 - 150
2417495	AMPA	74.7	71.7	P/P	40 - 150
2417495	Endothall	101	102	P/P	40 - 150
2417495	Glufosinate	92.8	94.6	P/P	40 - 150
2417495	Glyphosate	90.5	92.4	P/P	40 - 150
2417495	Sucralose	124	123	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P431332

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417274	3-Hydroxycarbofuran	70.1	68.7	P/P	40 - 150
2417274	Aldicarb	53.7	59.6	P/P	30 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P431332

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417274	Aldicarb Sulfone	83.5	86.2	P/P	40 - 150
2417274	Aldicarb Sulfoxide	25.2	31.8	F/F	40 - 150
2417274	Carbaryl	69.2	53.9	P/P	40 - 150
2417274	Carbofuran	63.4	62.4	P/P	40 - 150
2417274	Methiocarb	78.8	91.0	P/P	40 - 150
2417274	Methomyl	70.5	74.8	P/P	40 - 150
2417274	Oxamyl	80.3	76.1	P/P	40 - 150
2417274	Propoxur	67.8	64.7	P/P	40 - 150

Reference Method: SM 4500-F- C-2011

Batch ID: P431572

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417428	Fluoride	101	101	P/P	94 - 106

Reference Method: SM 5310 B-2011

Batch ID: P431590

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2417643	Organic Carbon	91.3	96.2	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P431338

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417640	Color (true)	5.21	Sample	P	0 - 20

Reference Method: DEP SOP: NU-094-1
Batch ID: P431339

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417571	Color (true)	0.519	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P431349

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417573	Turbidity	11.0	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431682

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417496	Chloride	0.711	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P431685

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417496	Sulfate	0.457	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431529

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417529	Ammonia-N	3.94	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P431660

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2416701	Ammonia-N	2.48	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431700

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417531	Kjeldahl Nitrogen	0.572	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P431702

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417913	Kjeldahl Nitrogen	1.72	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431720

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417497	NO2NO3-N	0.249	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P431721

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417644	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P431453

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417642	Total-P	1.41	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P431304

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417656	PCB-1016	3.89	Spike	P	0 - 32
2417656	PCB-1260	1.23	Spike	P	0 - 31

Reference Method: EPA 8270E
Batch ID: P431467

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417501	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	13.8	Spike	P	0 - 37
2417501	Acetochlor	19.0	Spike	P	0 - 28
2417501	Alachlor	2.84	Spike	P	0 - 30
2417501	Ametryn	4.65	Spike	P	0 - 32
2417501	Atrazine	10.6	Spike	P	0 - 41
2417501	Atrazine Desethyl	2.28	Spike	P	0 - 36
2417501	Avobenzone	8.68	Spike	P	0 - 36
2417501	Azinphos Methyl	22.5	Spike	P	0 - 75
2417501	Azoxystrobin	4.97	Spike	P	0 - 39
2417501	Bromacil	5.35	Spike	P	0 - 33
2417501	Butylate	5.78	Spike	P	0 - 44
2417501	Caffeine	0.565	Spike	P	0 - 74
2417501	Carbophenothion	16.3	Spike	P	0 - 25
2417501	Carfentrazone Ethyl	9.06	Spike	P	0 - 27
2417501	Chlorfenapyr	6.32	Spike	P	0 - 24

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P431467

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417501	Chlorpyrifos Ethyl	7.31	Spike	P	0 - 26
2417501	Chlorpyrifos Methyl	2.55	Spike	P	0 - 26
2417501	Coumaphos	21.0	Spike	P	0 - 28
2417501	Cyanazine	16.8	Spike	P	0 - 48
2417501	Cyprodinil	26.9	Spike	P	0 - 29
2417501	Dechlorane 602	6.80	Spike	P	0 - 30
2417501	Dechlorane 603	2.43	Spike	P	0 - 30
2417501	Dechlorane Plus	0.446	Spike	P	0 - 30
2417501	Demeton	5.03	Spike	P	0 - 33
2417501	Diazinon	3.94	Spike	P	0 - 29
2417501	Difenoconazole	13.9	Spike	P	0 - 34
2417501	Dimethenamid	7.49	Spike	P	0 - 39
2417501	Dimethomorph	10.4	Spike	P	0 - 51
2417501	Disulfoton	4.41	Spike	P	0 - 30
2417501	Dithiopyr	1.73	Spike	P	0 - 26
2417501	EPTC	9.68	Spike	P	0 - 43
2417501	Ethion	14.1	Spike	P	0 - 79
2417501	Ethoprop	0.229	Spike	P	0 - 29
2417501	Etridiazole	23.1	Spike	P	0 - 33
2417501	Fenamiphos	10.8	Spike	P	0 - 40
2417501	Fenbuconazole	11.7	Spike	P	0 - 74
2417501	Fipronil	10.6	Spike	P	0 - 29
2417501	Fipronil Desulfanyl	10.7	Spike	P	0 - 32
2417501	Fipronil Sulfide	0.573	Spike	P	0 - 30
2417501	Fipronil Sulfone	5.81	Spike	P	0 - 33
2417501	Fluazifop-P-butyl	16.3	Spike	P	0 - 38
2417501	Fludioxonil	13.5	Spike	P	0 - 29
2417501	Flumioxazin	9.81	Spike	P	0 - 51
2417501	Flutolanil	3.88	Spike	P	0 - 25
2417501	Fluxapyroxad	8.32	Spike	P	0 - 45
2417501	Fonofos	3.09	Spike	P	0 - 27
2417501	Hexabromobenzene	4.15	Spike	P	0 - 30
2417501	Hexazinone	1.22	Spike	P	0 - 30
2417501	Imazalil	12.1	Spike	P	0 - 100
2417501	Iprodione	66.9	Spike	F	0 - 33
2417501	Loratadine	11.1	Spike	P	0 - 56
2417501	Malathion	8.67	Spike	P	0 - 37
2417501	Metalaxyl	21.5	Spike	P	0 - 40
2417501	Metolachlor	8.37	Spike	P	0 - 29
2417501	Metribuzin	0.823	Spike	P	0 - 45
2417501	Mevinphos	26.5	Spike	P	0 - 29
2417501	Molinate	10.3	Spike	P	0 - 33
2417501	Myclobutanil	14.5	Spike	P	0 - 26
2417501	Naled	3.26	Spike	P	0 - 37
2417501	Napropamide	27.1	Spike	P	0 - 44
2417501	Norflurazon	14.2	Spike	P	0 - 30
2417501	Octinoxate	1.36	Spike	P	0 - 45
2417501	Oxadiazon	10.7	Spike	P	0 - 28
2417501	Oxybenzone	3.25	Spike	P	0 - 46
2417501	Oxyfluorfen	2.79	Spike	P	0 - 28
2417501	Parathion Ethyl	9.05	Spike	P	0 - 31

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P431467

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417501	Parathion Methyl	15.6	Spike	P	0 - 29
2417501	PBB-153	3.48	Spike	P	0 - 30
2417501	PBDE-47	2.65	Spike	P	0 - 36
2417501	PBDE-99	6.90	Spike	P	0 - 40
2417501	Pendimethalin	16.2	Spike	P	0 - 33
2417501	Pentabromotoluene	7.27	Spike	P	0 - 30
2417501	Phenytoin	12.1	Spike	P	0 - 100
2417501	Phorate	12.7	Spike	P	0 - 36
2417501	Prodiamine	4.96	Spike	P	0 - 71
2417501	Prometon	2.66	Spike	P	0 - 36
2417501	Prometryn	4.96	Spike	P	0 - 28
2417501	Pronamide	11.8	Spike	P	0 - 24
2417501	Propanil	12.4	Spike	P	0 - 28
2417501	Propargite	13.3	Spike	P	0 - 43
2417501	Propiconazole	17.2	Spike	P	0 - 33
2417501	Pyraflufen Ethyl	12.9	Spike	P	0 - 29
2417501	Pyridaben	21.8	Spike	P	0 - 30
2417501	Pyriproxyfen	20.8	Spike	P	0 - 79
2417501	Simazine	0.694	Spike	P	0 - 29
2417501	Stiropfos	44.0	Spike	P	0 - 61
2417501	Sulfentrazone	30.4	Spike	P	0 - 33
2417501	Tebuconazole	7.20	Spike	P	0 - 69
2417501	Terbufos	3.50	Spike	P	0 - 29
2417501	Terbuthylazine	1.32	Spike	P	0 - 32
2417501	Tetradecachloro-m-terphenyl	6.71	Spike	P	0 - 30
2417501	Thiobencarb	5.54	Spike	P	0 - 26
2417501	Tri-o-cresyl Phosphate	0.0811	Spike	P	0 - 33
2417501	Triadimefon	23.2	Spike	P	0 - 28
2417501	Tris(1-chloro-2-propyl) phosphate (TCPP)	4.34	Spike	P	0 - 30
2417501	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	1.26	Spike	P	0 - 30
2417501	Tris(2-chloroethyl) phosphate (TCEP)	0.582	Spike	P	0 - 30

Reference Method: EPA 8270E

Batch ID: P432065

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2422038	Aldrin	8.98	Spike	P	0 - 41
2422038	Alpha-BHC	18.5	Spike	P	0 - 25
2422038	Alpha-Chlordane	1.21	Spike	P	0 - 32
2422038	Beta-BHC	56.9	Spike	F	0 - 33
2422038	Beta-Cyfluthrin	8.42	Spike	P	0 - 43
2422038	Bifenthrin	11.6	Spike	P	0 - 52
2422038	Chlorothalonil	3.89	Spike	P	0 - 82
2422038	Cis-Nonachlor	11.2	Spike	P	0 - 33
2422038	Cypermethrin	9.29	Spike	P	0 - 51
2422038	Dacthal	38.2	Spike	F	0 - 27
2422038	DDD-p,p'	6.99	Spike	P	0 - 39
2422038	DDE-p,p'	19.9	Spike	P	0 - 31
2422038	DDT-p,p'	9.50	Spike	P	0 - 29
2422038	Delta-BHC	21.4	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P432065

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2422038	Deltamethrin	12.2	Spike	P	0 - 100
2422038	Dichlobenil	24.0	Spike	P	0 - 40
2422038	Dicofol	32.1	Spike	P	0 - 37
2422038	Dieldrin	0.898	Spike	P	0 - 27
2422038	Endosulfan I	54.7	Spike	F	0 - 23
2422038	Endosulfan II	10.1	Spike	P	0 - 34
2422038	Endosulfan Sulfate	11.5	Spike	P	0 - 36
2422038	Endrin	1.97	Spike	P	0 - 45
2422038	Endrin Aldehyde	17.5	Spike	P	0 - 76
2422038	Endrin Ketone	23.4	Spike	P	0 - 43
2422038	Esfenvalerate	2.69	Spike	P	0 - 51
2422038	Ethalfuralin	16.9	Spike	P	0 - 22
2422038	Fenpropathrin	9.65	Spike	P	0 - 49
2422038	Gamma-BHC	39.2	Spike	F	0 - 28
2422038	Gamma-Chlordane	10.3	Spike	P	0 - 40
2422038	Heptachlor	5.93	Spike	P	0 - 29
2422038	Heptachlor Epoxide	8.62	Spike	P	0 - 33
2422038	Hexachlorobenzene	23.1	Spike	P	0 - 36
2422038	Kepone	51.0	Spike	P	0 - 85
2422038	Lambda-Cyhalothrin	6.39	Spike	P	0 - 55
2422038	Methoprene	19.5	Spike	P	0 - 53
2422038	Methoxychlor	29.6	Spike	P	0 - 50
2422038	MGK-264	63.0	Spike	F	0 - 43
2422038	Mirex	2.45	Spike	P	0 - 40
2422038	Oxychlordane	5.50	Spike	P	0 - 31
2422038	Permethrin	11.1	Spike	P	0 - 50
2422038	Phenothrin	15.5	Spike	P	0 - 58
2422038	Piperonyl Butoxide	17.1	Spike	P	0 - 100
2422038	Prallethrin	1.80	Spike	P	0 - 39
2422038	Tau-Fluvalinate	2.06	Spike	P	0 - 54
2422038	Tetramethrin	6.97	Spike	P	0 - 51
2422038	Trans-Nonachlor	12.8	Spike	P	0 - 39
2422038	Triclosan Methyl	25.6	Spike	P	0 - 31
2422038	Trifluralin	6.05	Spike	P	0 - 22

Reference Method: EPA 8276

Batch ID: P431304

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417656	Chlordane	6.92	Spike	P	0 - 25
2417656	Toxaphene	5.57	Spike	P	0 - 26

Reference Method: EPA 8321B

Batch ID: P431299

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417275	2,4-D	7.28	Spike	P	0 - 30
2417275	2,4,5-T	19.1	Spike	P	0 - 30
2417275	Acetaminophen	3.29	Spike	P	0 - 30

Quality Assurance Report

Precision

Reference Method: EPA 8321B

Batch ID: P431299

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417275	Acetamiprid	24.9	Spike	P	0 - 30
2417275	Afidopyropen	25.5	Spike	P	0 - 30
2417275	Bentazon	5.26	Spike	P	0 - 30
2417275	Benzovindiflupyr	9.51	Spike	P	0 - 30
2417275	Carbamazepine	15.8	Spike	P	0 - 30
2417275	Clothianidin	5.86	Spike	P	0 - 30
2417275	Dinotefuran	5.66	Spike	P	0 - 30
2417275	Diuron	45.4	Spike	F	0 - 30
2417275	Fenuron	3.80	Spike	P	0 - 30
2417275	Fluridone	0.429	Spike	P	0 - 30
2417275	Hydrocodone	2.30	Spike	P	0 - 30
2417275	Ibuprofen	21.7	Spike	P	0 - 30
2417275	Imazapyr	5.47	Spike	P	0 - 30
2417275	Imidacloprid	22.2	Spike	P	0 - 30
2417275	Linuron	2.75	Spike	P	0 - 30
2417275	Mandestrobin	4.60	Spike	P	0 - 30
2417275	MCPP	6.42	Spike	P	0 - 30
2417275	Naproxen	11.3	Spike	P	0 - 30
2417275	Primidone	26.8	Spike	P	0 - 30
2417275	Pyraclostrobin	0.421	Spike	P	0 - 30
2417275	Silvex	11.1	Spike	P	0 - 30
2417275	Thiamethoxam	3.19	Spike	P	0 - 30
2417275	Tolfenpyrad	3.28	Spike	P	0 - 30
2417275	Triclopyr	22.2	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P431314

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417495	Acesulfame K	0.395	Spike	P	0 - 30
2417495	AMPA	4.02	Spike	P	0 - 30
2417495	Endothall	0.867	Spike	P	0 - 30
2417495	Glufosinate	1.92	Spike	P	0 - 30
2417495	Glyphosate	2.11	Spike	P	0 - 30
2417495	Sucralose	0.971	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P431332

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

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P431332

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417274	Propoxur	4.70	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P431569

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417428	Total Alkalinity	1.34	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P431885

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417425	TDS	2.04	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P431572

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417428	Fluoride	0.476	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P431590

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2417643	Organic Carbon	3.30	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2417652
Field Sample ID: G2CE0072

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	42.2	P	30 - 160

Lab Sample ID: 2417653
Field Sample ID: G2CE0072

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	112	P	30 - 160
EPA 8321B	Acetaminophen-d4	65.4	P	30 - 160
EPA 8321B	Carbamazepine-d10	69.4	P	30 - 160
EPA 8321B	Diuron-d6	63.3	P	30 - 160
EPA 8321B	Endothall-d6	116	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	95.9	P	30 - 160
EPA 8321B	Ibuprofen-d3	91.6	P	30 - 160
EPA 8321B	Primidone-d5	85.4	P	30 - 160
EPA 8321B	Sucralose-d6	118	P	30 - 160

Lab Sample ID: 2417654
Field Sample ID: FB_06142023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	42.2	P	30 - 160

Lab Sample ID: 2417655
Field Sample ID: FB_06142023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	94.7	P	30 - 160
EPA 8321B	Acetaminophen-d4	56.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	75.2	P	30 - 160
EPA 8321B	Diuron-d6	77.3	P	30 - 160
EPA 8321B	Endothall-d6	110	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	102	P	30 - 160
EPA 8321B	Ibuprofen-d3	101	P	30 - 160
EPA 8321B	Primidone-d5	81.7	P	30 - 160
EPA 8321B	Sucralose-d6	126	P	30 - 160

Lab Sample ID: 2417656
Field Sample ID: G2CE0072

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	56.6	P	29 - 130
EPA 8270E	Decachlorobiphenyl	54.5	P	26 - 115
EPA 8270E	Decachlorobiphenyl	62.2	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	52.3	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	45.3	P	30 - 97.0
EPA 8270E	Tetrachloro-m-xylene	40.7	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	51.3	P	30 - 101
EPA 8276	PCNB	69.5	P	48 - 121

Quality Assurance Report Surrogates

Lab Sample ID: 2417657
Field Sample ID: G2CE0072

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	117	P	20 - 200
EPA 8270E	Simazine-d10	101	P	62 - 142
EPA 8270E	Terbufos-d10	79.9	P	58 - 132
EPA 8270E	Terphenyl-d14	92.4	P	52 - 137

Lab Sample ID: 2417658
Field Sample ID: FB_06142023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	59.6	P	29 - 130
EPA 8270E	Decachlorobiphenyl	56.9	P	26 - 115
EPA 8270E	Decachlorobiphenyl	60.2	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	70.6	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	66.2	P	30 - 97.0
EPA 8270E	Tetrachloro-m-xylene	79.8	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	59.5	P	30 - 101
EPA 8276	PCNB	74.5	P	48 - 121

Lab Sample ID: 2417659
Field Sample ID: FB_06142023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	82.3	P	20 - 200
EPA 8270E	Simazine-d10	90.9	P	62 - 142
EPA 8270E	Terbufos-d10	81.5	P	58 - 132
EPA 8270E	Terphenyl-d14	95.4	P	52 - 137

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: 119977

Included Lab Sample IDs: 2417644

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.3	97.7	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A119831

Included Lab Sample IDs: 2417639, 2417640, 2417641, 2417645

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

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A119833

Included Lab Sample IDs: 2417639, 2417640, 2417641, 2417645

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

Reference Method: EPA 8321B

Run ID: A119868

Included Lab Sample IDs: 2417653, 2417655

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	141	145	P/P	60 - 160
Acesulfame K	145	143	P/P	60 - 160
Sucralose	128	110	P/P	60 - 160
Sucralose	129	128	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A119875

Included Lab Sample IDs: 2417653, 2417655

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	104	101	P/P	60 - 160
Endothall	95.4	92.6	P/P	60 - 160
Glufosinate	90.8	90.1	P/P	60 - 160
Glyphosate	109	101	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A119900

Included Lab Sample IDs: 2417653, 2417655

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	104	93.5	P/P	50 - 150
2,4,5-T	96.7	91.9	P/P	50 - 150
3-Hydroxycarbofuran	105	93.2	P/P	60 - 150
Acetaminophen	75.8	73.3	P/P	60 - 160
Acetamiprid	106	95.3	P/P	50 - 150
Afidopyropen	77.7	109	P/P	50 - 150
Aldicarb	107	113	P/P	60 - 150
Aldicarb Sulfone	101	114	P/P	50 - 150
Aldicarb Sulfoxide	74.3	97.5	P/P	50 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A119900

Included Lab Sample IDs: 2417653, 2417655

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Bentazon	149	138	P/P	50 - 160
Bentazon	159	142	P/P	50 - 160
Benzovindiflupyr	88.5	101	P/P	50 - 150
Carbamazepine	90.6	105	P/P	60 - 150
Carbaryl	104	106	P/P	60 - 150
Carbofuran	91.7	93.5	P/P	50 - 150
Clothianidin	86.5	99.9	P/P	60 - 150
Dinotefuran	107	104	P/P	50 - 150
Diuron	125	126	P/P	60 - 160
Fenuron	113	98.3	P/P	60 - 150
Fluridone	98.8	97.4	P/P	60 - 160
Hydrocodone	113	100	P/P	60 - 150
Ibuprofen	78.8	132	P/P	50 - 160
Imazapyr	105	104	P/P	50 - 150
Imidacloprid	98.1	90.5	P/P	60 - 150
Linuron	110	105	P/P	60 - 150
Mandestrobin	113	101	P/P	50 - 150
MCPP	99.6	89.8	P/P	50 - 150
Methiocarb	122	108	P/P	50 - 150
Methomyl	98.5	97.9	P/P	50 - 150
Naproxen	68.2	67.8	P/P	50 - 160
Oxamyl	118	89.8	P/P	50 - 150
Primidone	110	95.5	P/P	60 - 150
Propoxur	106	112	P/P	50 - 150
Pyraclostrobin	129	105	P/P	60 - 150
Silvex	113	111	P/P	50 - 150
Thiamethoxam	96.5	94.2	P/P	50 - 150
Tolfenpyrad	102	102	P/P	60 - 150
Triclopyr	83.7	99.3	P/P	50 - 150

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A119917

Included Lab Sample IDs: 2417642, 2417643, 2417644, 2417646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	101	101	P/P	90 - 110
Total-P	101	102	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A119925

Included Lab Sample IDs: 2417642, 2417643, 2417646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.9	98.7	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A119927

Included Lab Sample IDs: 2417639, 2417640, 2417641, 2417645

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A119927

Included Lab Sample IDs: 2417639, 2417640, 2417641, 2417645

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.8	100	P/P	90 - 110
Sulfate	99.1	99.6	P/P	90 - 110
Sulfate	99.6	99.6	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A119941

Included Lab Sample IDs: 2417639, 2417640, 2417641, 2417645

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.4	94.6	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A119941

Included Lab Sample IDs: 2417639, 2417640, 2417641, 2417645

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

Reference Method: SM 5310 B-2011

Run ID: A119946

Included Lab Sample IDs: 2417642, 2417643, 2417644, 2417646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.0	97.2	P/P	90 - 110
Organic Carbon	97.2	97.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A119996

Included Lab Sample IDs: 2417642, 2417643, 2417644, 2417646

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

Reference Method: EPA 8270E

Run ID: A120027

Included Lab Sample IDs: 2417657, 2417659

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	96.2		P	80 - 120
Avobenzene	96.1		P	80 - 120
Dechlorane 602	103		P	80 - 120
Dechlorane 603	101		P	80 - 120
Dechlorane Plus	93.6		P	80 - 120
Hexabromobenzene	97.2		P	80 - 120
Octinoxate	92.7		P	80 - 120
Oxybenzone	96.5		P	80 - 120
PBB-153	97.3		P	80 - 120
PBDE-47	94.3		P	80 - 120
PBDE-99	97.4		P	80 - 120
Pentabromotoluene	95.9		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A120027

Included Lab Sample IDs: 2417657, 2417659

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tetradecachloro-m-terphenyl	85.0		P	80 - 120
Tri-o-cresyl Phosphate	95.7		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	87.2		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	91.3		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	91.0		P	80 - 120

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A120038

Included Lab Sample IDs: 2417642, 2417643, 2417644, 2417646

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	95.3	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A120101

Included Lab Sample IDs: 2417658

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	108		P	80 - 120
PCB-1260	97.3		P	80 - 120

Reference Method: EPA 8270E

Run ID: A120114

Included Lab Sample IDs: 2417656

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	94.7		P	80 - 120
PCB-1260	98.2		P	80 - 120

Reference Method: EPA 8276

Run ID: A120127

Included Lab Sample IDs: 2417656, 2417658

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	103		P	80 - 120
Chlordane	86.9		P	80 - 120
Toxaphene	80.7		P	80 - 120
Toxaphene	96.4		P	80 - 120

Reference Method: EPA 8270E

Run ID: A120155

Included Lab Sample IDs: 2417657, 2417659

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	86.3		P	80 - 120
Alachlor	84.8		P	80 - 120
Ametryn	105		P	80 - 120
Atrazine	90.2		P	80 - 120
Atrazine Desethyl	102		P	80 - 120
Azinphos Methyl	103		P	80 - 120
Azoxystrobin	107		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A120155

Included Lab Sample IDs: 2417657, 2417659

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Bromacil	99.9		P	80 - 120
Butylate	95.1		P	80 - 120
Caffeine	108		P	80 - 120
Carbophenothion	96.3		P	80 - 120
Carfentrazone Ethyl	100		P	80 - 120
Chlorfenapyr	82.8		P	80 - 120
Chlorpyrifos Ethyl	84.6		P	80 - 120
Chlorpyrifos Methyl	96.3		P	80 - 120
Coumaphos	99.1		P	80 - 120
Cyanazine	102		P	80 - 120
Cyprodinil	95.8		P	80 - 120
Demeton	104		P	80 - 120
Diazinon	98.5		P	80 - 120
Difenoconazole	116		P	80 - 120
Dimethenamid	103		P	80 - 120
Dimethomorph	84.8		P	80 - 120
Disulfoton	105		P	80 - 120
Dithiopyr	100		P	80 - 120
EPTC	98.3		P	80 - 120
Ethion	83.7		P	80 - 120
Ethoprop	99.1		P	80 - 120
Etridiazole	101		P	80 - 120
Fenamiphos	90.5		P	80 - 120
Fenbuconazole	91.0		P	80 - 120
Fipronil	90.3		P	80 - 120
Fipronil Desulfinyl	99.2		P	80 - 120
Fipronil Sulfide	98.6		P	80 - 120
Fipronil Sulfone	96.9		P	80 - 120
Fluazifop-P-butyl	98.1		P	80 - 120
Fludioxonil	101		P	80 - 120
Flumioxazin	112		P	80 - 120
Flutolanil	102		P	80 - 120
Fluxapyroxad	104		P	80 - 120
Fonofos	91.1		P	80 - 120
Hexazinone	101		P	80 - 120
Imazalil	97.6		P	80 - 120
Iprodione	55.3*		F	80 - 120
Loratadine	95.3		P	80 - 120
Malathion	82.0		P	80 - 120
Metalaxyl	83.6		P	80 - 120
Metolachlor	98.8		P	80 - 120
Metribuzin	103		P	80 - 120
Mevinphos	100		P	80 - 120
Molinate	86.6		P	80 - 120
Myclobutanil	87.0		P	80 - 120
Naled	96.4		P	80 - 120
Napropamide	106		P	80 - 120
Norflurazon	90.7		P	80 - 120
Oxadiazon	99.5		P	80 - 120
Oxyfluorfen	99.2		P	80 - 120
Parathion Ethyl	98.6		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A120155

Included Lab Sample IDs: 2417657, 2417659

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Parathion Methyl	87.1		P	80 - 120
Pendimethalin	102		P	80 - 120
Phenytoin	94.7		P	80 - 120
Phorate	92.7		P	80 - 120
Prodiamine	106		P	80 - 120
Prometon	102		P	80 - 120
Prometryn	105		P	80 - 120
Pronamide	100		P	80 - 120
Propanil	99.1		P	80 - 120
Propargite	97.6		P	80 - 120
Propiconazole	83.2		P	80 - 120
Pyraflufen Ethyl	99.1		P	80 - 120
Pyridaben	100		P	80 - 120
Pyriproxyfen	104		P	80 - 120
Simazine	84.5		P	80 - 120
Stirophos	83.3		P	80 - 120
Sulfentrazone	102		P	80 - 120
Tebuconazole	97.9		P	80 - 120
Terbufos	101		P	80 - 120
Terbuthylazine	83.9		P	80 - 120
Thiobencarb	102		P	80 - 120
Triadimefon	101		P	80 - 120

Reference Method: EPA 8270E

Run ID: A120361

Included Lab Sample IDs: 2417656, 2417658

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	91.5		P	80 - 120
Alpha-BHC	104		P	80 - 120
Alpha-Chlordane	104		P	80 - 120
Beta-BHC	82.3		P	80 - 120
Beta-Cyfluthrin	98.3		P	80 - 120
Bifenthrin	99.4		P	80 - 120
Chlorothalonil	101		P	80 - 120
Cis-Nonachlor	113		P	80 - 120
Cypermethrin	115		P	80 - 120
Dacthal	124*		F	80 - 120
DDD-p,p'	95.4		P	80 - 120
DDE-p,p'	109		P	80 - 120
DDT-p,p'	101		P	80 - 120
Delta-BHC	102		P	80 - 120
Deltamethrin	105		P	80 - 120
Dichlobenil	89.2		P	80 - 120
Dicofol	95.2		P	80 - 120
Dieldrin	104		P	80 - 120
Endosulfan I	97.5		P	80 - 120
Endosulfan II	89.9		P	80 - 120
Endosulfan Sulfate	95.9		P	80 - 120
Endrin	115		P	80 - 120
Endrin Aldehyde	95.5		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A120361

Included Lab Sample IDs: 2417656, 2417658

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Endrin Ketone	83.1		P	80 - 120
Esfenvalerate	89.6		P	80 - 120
Ethalfuralin	85.7		P	80 - 120
Fenpropathrin	88.3		P	80 - 120
Gamma-BHC	92.3		P	80 - 120
Gamma-Chlordane	99.5		P	80 - 120
Heptachlor	107		P	80 - 120
Heptachlor Epoxide	112		P	80 - 120
Hexachlorobenzene	112		P	80 - 120
Kepone	110		P	80 - 120
Lambda-Cyhalothrin	89.5		P	80 - 120
Methoprene	83.8		P	80 - 120
Methoxychlor	98.5		P	80 - 120
MGK-264	95.7		P	80 - 120
Mirex	90.2		P	80 - 120
Oxychlordane	96.6		P	80 - 120
Permethrin	112		P	80 - 120
Phenothrin	111		P	80 - 120
Piperonyl Butoxide	99.8		P	80 - 120
Prallethrin	92.6		P	80 - 120
Tau-Fluvalinate	89.7		P	80 - 120
Tetramethrin	120		P	80 - 120
Trans-Nonachlor	95.6		P	80 - 120
Triclosan Methyl	101		P	80 - 120
Trifluralin	113		P	80 - 120

* Pass/Fail determinations are made for each bracketing calibration verification check.

Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.
Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
DEP SOP: NU-094-1	Color (true)	101				5.21	
	Color (true)	101				0.519	
EPA 180.1 Rev. 2.0	Turbidity	98.7				11.0	
EPA 300.0 Rev. 2.1	Chloride	99.9	99.0	99.8		0.711	
	Sulfate	97.6	93.1	95.8		0.457	
EPA 350.1 Rev. 2.0	Ammonia-N	98.4	102	97.8			3.94
	Ammonia-N	96.0	92.4	95.0			2.48
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	101	105	106			0.572
	Kjeldahl Nitrogen	102	102	105			1.72
EPA 353.2 Rev. 2.0	NO2NO3-N	105	100	101			0.249
	NO2NO3-N	105	105	105			0.0
EPA 365.1 Rev. 2.0	Total-P	97.7	97.2	98.6			1.41
EPA 8270E	2-Ethylhexyl	107	130	113			13.8
	2,3,4,5-tetrabromobenzoate (EHTBB)						
	Acetochlor	80.6	70.3	103			19.0
	Alachlor	88.2	80.8	78.5			2.84
	Aldrin	49.6	48.3	52.8			8.98
	Alpha-BHC	82.7	73.5	88.4			18.5
	Alpha-Chlordane	46.7	77.0	76.1			1.21
	Ametryn	107	150	143			4.65
	Atrazine	96.1					10.6
	Atrazine Desethyl	88.1	115	111			2.28
	Avobenzone	121	132	121			8.68
	Azinphos Methyl	107	153	122			22.5
	Azoxystrobin	103	132	126			4.97
	Beta-BHC	80.1	61.3	110			56.9
	Beta-Cyfluthrin	57.2	40.2	43.7			8.42
	Bifenthrin	61.2	45.9	51.5			11.6
	Bromacil	104	108	114			5.35
	Butylate	55.5	58.2	55.0			5.78
	Caffeine	100	108	107			0.565
	Carbophenothion	102	125	106			16.3
	Carfentrazone Ethyl	115	138	126			9.06
	Chlorfenapyr	88.4	99.6	93.5			6.32
	Chlorothalonil	97.5	70.7	68.0			3.89
	Chlorpyrifos Ethyl	96.4	93.8	101			7.31
	Chlorpyrifos Methyl	94.6	87.8	90.0			2.55
	Cis-Nonachlor	95.0	56.4	63.2			11.2
	Coumaphos	71.4	179	145			21.0
	Cyanazine	193	213	180			16.8
	Cypermethrin	51.1	46.1	50.6			9.29
	Cyprodinil	107	103	78.3			26.9
	Dacthal	94.8	77.2	114			38.2
	DDD-p,p'	47.5	54.8	51.1			6.99
	DDE-p,p'	49.6	54.0	44.2			19.9
	DDT-p,p'	72.0	60.1	66.1			9.50
	Dechlorane 602	98.0	121	113			6.80
	Dechlorane 603	134	160	156			2.43
	Dechlorane Plus	99.8	97.6	98.0			0.446
	Delta-BHC	67.3	78.3	97.1			21.4
	Deltamethrin	55.7	47.3	53.4			12.2
	Demeton	88.1	98.1	93.3			5.03
	Diazinon	110	110	114			3.94

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Dichlobenil	67.6	50.1	63.7		24.0
	Dicofol	78.2	67.5	93.4		32.1
	Dieldrin	88.5				0.898
	Difenoconazole	129	229	200		13.9
	Dimethenamid	91.5	89.4	96.3		7.49
	Dimethomorph	191	165	184		10.4
	Disulfoton	101	111	107		4.41
	Dithiopyr	103	111	110		1.73
	Endosulfan I	64.5	71.1	125		54.7
	Endosulfan II	53.1	60.2	54.4		10.1
	Endosulfan Sulfate	67.9	61.0	68.4		11.5
	Endrin	81.5	56.7	57.8		1.97
	Endrin Aldehyde	71.9	63.1	52.9		17.5
	Endrin Ketone	73.0	76.2	60.2		23.4
	EPTC	51.5	49.4	44.8		9.68
	Esfenvalerate	53.4	58.3	56.8		2.69
	Ethalfuralin	54.3	65.7	55.5		16.9
	Ethion	83.4	93.8	81.4		14.1
	Ethoprop	95.6	101	100		0.229
	Etridiazole	70.0	83.4	66.1		23.1
	Fenamiphos	92.8	82.4	91.8		10.8
	Fenbuconazole	70.7	108	95.7		11.7
	Fenpropathrin	82.4	56.9	62.7		9.65
	Fipronil	106	118	106		10.6
	Fipronil Desulfinyl	100	111	99.5		10.7
	Fipronil Sulfide	93.5	94.9	95.4		0.573
	Fipronil Sulfone	83.8	95.7	101		5.81
	Fluazifop-P-butyl	96.3	80.5	94.7		16.3
	Fludioxonil	89.7	91.7	105		13.5
	Flumioxazin	114	214	194		9.81
	Flutolanil	93.6	96.1	99.9		3.88
	Fluxapyroxad	103	123	112		8.32
	Fonofos	93.8	90.1	87.3		3.09
	Gamma-BHC	85.0	96.0	143		39.2
	Gamma-Chlordane	48.6	60.9	68.3		10.3
	Heptachlor	81.2	67.1	71.2		5.93
	Heptachlor Epoxide	56.2	75.0	61.9		8.62
	Hexabromobenzene	133	145	139		4.15
	Hexachlorobenzene	71.9	72.8	91.8		23.1
	Hexazinone	98.8	108	109		1.22
	Imazalil	101	107	94.7		12.1
	Iprodione	118	94.9	190		66.9
	Kepone	73.3	40.8	68.7		51.0
	Lambda-Cyhalothrin	41.0	46.1	49.1		6.39
	Loratadine	181	137	154		11.1
	Malathion	101	115	105		8.67
	Metalaxyl	97.4	111	89.2		21.5
	Methoprene	36.0	41.5	34.1		19.5
	Methoxychlor	75.2	57.8	77.9		29.6
	Metolachlor	101	80.0	98.7		8.37
	Metribuzin	95.8	104	105		0.823
	Mevinphos	97.1	143	110		26.5
	MGK-264	79.9	55.9	107		63.0
	Mirex	58.0	39.0	40.0		2.45

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Molinate	57.3	54.2	60.1		10.3
	Myclobutanil	98.0	118	102		14.5
	Naled	48.5	44.9	46.4		3.26
	Napropamide	85.0	78.1	103		27.1
	Norflurazon	62.3	120	104		14.2
	Octinoxate	123	128	126		1.36
	Oxadiazon	94.6	106	95.2		10.7
	Oxybenzone	128	141	136		3.25
	Oxychlorane	44.3	64.9	68.5		5.50
	Oxyfluorfen	112	118	121		2.79
	Parathion Ethyl	103	106	96.7		9.05
	Parathion Methyl	104	96.6	82.6		15.6
	PBB-153	130	149	144		3.48
	PBDE-47	112	121	118		2.65
	PBDE-99	96.6	117	109		6.90
	PCB-1016	66.4	54.0	56.2		3.89
	PCB-1260	73.1	46.3	45.7		1.23
	Pendimethalin	112	123	105		16.2
	Pentabromotoluene	123	132	123		7.27
	Permethrin	52.4	46.0	41.2		11.1
	Phenothrin	56.6	67.6	79.0		15.5
	Phenytol	22.8	41.7	36.9		12.1
	Phorate	87.6	127	112		12.7
	Piperonyl Butoxide	84.8	62.7	74.3		17.1
	Prallethrin	65.1	67.3	68.6		1.80
	Prodiamine	48.2	55.7	53.0		4.96
	Prometon	98.7	102	99.2		2.66
	Prometryn	118	111	116		4.96
	Pronamide	114	131	117		11.8
	Propanil	119	138	122		12.4
	Propargite	65.7	92.3	80.8		13.3
	Propiconazole	89.1	124	105		17.2
	Pyraflufen Ethyl	97.7	126	111		12.9
	Pyridaben	125	171	137		21.8
	Pyriproxyfen	85.5	134	108		20.8
	Simazine	91.1	96.2	95.6		0.694
	Stirophos	69.2	53.1	83.0		44.0
	Sulfentrazon	77.2	119	87.3		30.4
	Tau-Fluvalinate	51.6	53.5	54.6		2.06
	Tebuconazole	70.0	98.0	91.2		7.20
	Terbufos	109	121	116		3.50
	Terbutylazine	86.5	90.5	91.7		1.32
	Tetradecachloro-m-terphenyl	141	126	135		6.71
	Tetramethrin	75.6	71.9	77.1		6.97
	Thiobencarb	93.6	97.1	91.4		5.54
	Trans-Nonachlor	78.6	66.3	75.3		12.8
	Tri-o-cresyl Phosphate	123	129	129		0.0811
	Triadimefon	96.6	114	90.4		23.2
	Triclosan Methyl	64.9	71.9	93.0		25.6
	Trifluralin	70.3	63.4	67.4		6.05
	Tris(1-chloro-2-propyl) phosphate (TCPP)	121	108	104		4.34
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	111	120	121		1.26

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Tris(2-chloroethyl) phosphate (TCEP)	117	120	121			0.582
EPA 8276	Chlordane	79.3	46.4	43.3			6.92
	Toxaphene	95.2	29.6	26.6			5.57
EPA 8321B	2,4-D	106	108	100			7.28
	2,4,5-T	94.0	110	91.1			19.1
	3-Hydroxycarbofuran	54.2	68.7	70.1			1.93
	Acesulfame K	146	135	135			0.395
	Acetaminophen	49.1	51.3	49.6			3.29
	Acetamiprid	79.2	86.8	67.5			24.9
	Afidopyropen	62.2	54.5	70.5			25.5
	Aldicarb	40.7	59.6	53.7			10.5
	Aldicarb Sulfone	77.9	86.2	83.5			3.18
	Aldicarb Sulfoxide	93.0	31.8	25.2			23.2
	AMPA	81.6	74.7	71.7			4.02
	Bentazon	110	104	110			5.26
	Benzovindiflupyr	64.4	94.4	85.9			9.51
	Carbamazepine	67.4	85.8	73.3			15.8
	Carbaryl	77.8	69.2	53.9			25.0
	Carbofuran	69.8	62.4	63.4			1.54
	Clothianidin	84.1	91.3	96.8			5.86
	Dinotefuran	86.0	95.1	89.8			5.66
	Diuron	51.7	46.7	74.1			45.4
	Endothall	97.0	101	102			0.867
	Fenuron	72.2	73.4	70.7			3.80
	Fluridone	73.1	73.8	73.5			0.429
	Glufosinate	102	92.8	94.6			1.92
	Glyphosate	107	90.5	92.4			2.11
	Hydrocodone	86.2	82.8	84.7			2.30
	Ibuprofen	85.3	64.3	79.9			21.7
	Imazapyr	88.9	113	107			5.47
	Imidacloprid	79.6	98.8	126			22.2
	Linuron	82.7	63.6	65.4			2.75
	Mandestrobin	78.8	91.3	87.2			4.60
	MCPP	95.8	112	105			6.42
	Methiocarb	65.1	78.8	91.0			14.4
	Methomyl	76.4	74.8	70.5			5.91
	Naproxen	70.7	75.3	67.2			11.3
	Oxamyl	70.9	76.1	80.3			5.47
	Primidone	77.1	90.0	68.7			26.8
	Propoxur	66.3	64.7	67.8			4.70
	Pyraclostrobin	87.0	89.3	89.7			0.421
	Silvex	96.2	109	97.2			11.1
	Sucralose	120	124	123			0.971
	Thiamethoxam	83.2	98.5	102			3.19
	Tolfenpyrad	60.4	56.0	54.2			3.28
	Triclopyr	93.5	121	96.7			22.2
SM 2320 B-2011	Total Alkalinity	97.3				1.34	
SM 2540 C-2015	TDS	96.6				2.04	
SM 2540 D-2015	TSS	95.8					
SM 4500-F- C-2011	Fluoride	102	101	101			0.476
SM 5310 B-2011	Organic Carbon	93.5	91.3	96.2			3.30

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2417639, 2417640, 2417641, 2417645
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2417639, 2417640, 2417641, 2417645
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2417639, 2417640, 2417641, 2417645
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2417639, 2417640, 2417641, 2417645
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2417642, 2417643, 2417644, 2417646
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2417642, 2417643, 2417644, 2417646
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2417642, 2417643, 2417644, 2417646
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2417642, 2417643, 2417644, 2417646
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2417657, 2417659
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2417656, 2417658
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2417657, 2417659
EPA 8270E	PCBs in water matrices by GC/MS/MS	2417656, 2417658
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2417656, 2417658
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2417652, 2417654
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2417653, 2417655
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2417639, 2417640, 2417641, 2417645
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2417639, 2417640, 2417641, 2417645
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2417639, 2417640, 2417641, 2417645
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2417639, 2417640, 2417641, 2417645
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2417642, 2417643, 2417644, 2417646

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	06/15/2023			06/15/2023 14:48	Chandler E Cox	2417639
	06/15/2023			06/15/2023 14:50	Chandler E Cox	2417640, 2417641
	06/15/2023			06/15/2023 15:04	Chandler E Cox	2417645
EPA 180.1 Rev. 2.0	06/15/2023			06/15/2023 13:23	Alexis Price	2417639
	06/15/2023			06/15/2023 13:24	Alexis Price	2417640
	06/15/2023			06/15/2023 13:27	Alexis Price	2417641, 2417645
EPA 300.0 Rev. 2.1	06/15/2023			06/21/2023 13:00	James L Waggeberby	2417639
	06/15/2023			06/21/2023 17:31	James L Waggeberby	2417640
	06/15/2023			06/21/2023 17:46	James L Waggeberby	2417641
	06/15/2023			06/21/2023 18:01	James L Waggeberby	2417645
EPA 350.1 Rev. 2.0	06/15/2023			06/20/2023 15:36	Khloe J Berg	2417642
	06/15/2023			06/20/2023 15:38	Khloe J Berg	2417643
	06/15/2023			06/20/2023 15:40	Khloe J Berg	2417646
	06/15/2023			06/22/2023 13:31	Ping Hua	2417644
EPA 351.2 Rev. 2.0	06/15/2023	06/23/2023 09:33	Dana G. Hughes	06/26/2023 15:17	Ping Hua	2417642
	06/15/2023	06/23/2023 09:33	Dana G. Hughes	06/26/2023 15:19	Ping Hua	2417643
	06/15/2023	06/23/2023 09:33	Dana G. Hughes	06/26/2023 15:20	Ping Hua	2417644
	06/15/2023	06/23/2023 09:33	Dana G. Hughes	06/26/2023 15:25	Ping Hua	2417646
EPA 353.2 Rev. 2.0	06/15/2023			06/23/2023 11:45	Beverly Y. Sanders	2417642
	06/15/2023			06/23/2023 11:52	Beverly Y. Sanders	2417644
	06/15/2023			06/23/2023 11:57	Beverly Y. Sanders	2417643
	06/15/2023			06/23/2023 11:58	Beverly Y. Sanders	2417646
EPA 365.1 Rev. 2.0	06/15/2023	06/19/2023 15:25	Adam P Silver	06/20/2023 12:15	James L Waggeberby	2417646
	06/15/2023	06/19/2023 15:25	Adam P Silver	06/20/2023 12:23	James L Waggeberby	2417642
	06/15/2023	06/19/2023 15:25	Adam P Silver	06/20/2023 12:24	James L Waggeberby	2417643
	06/15/2023	06/19/2023 15:25	Adam P Silver	06/20/2023 12:25	James L Waggeberby	2417644
EPA 8270E	06/15/2023	06/21/2023 08:00	Fe-Val Siddell	06/23/2023 21:24	Arthur Maknenko	2417657
	06/15/2023	06/21/2023 08:00	Fe-Val Siddell	06/23/2023 21:50	Arthur Maknenko	2417659
	06/15/2023	06/21/2023 08:00	Fe-Val Siddell	06/29/2023 17:21	Vandana T. Nagar	2417657
	06/15/2023	06/21/2023 08:00	Fe-Val Siddell	06/29/2023 17:48	Vandana T. Nagar	2417659
	06/15/2023	06/21/2023 08:00	Rasheda Ghaffari	06/23/2023 00:16	Lipi Saha	2417658
	06/15/2023	06/21/2023 08:00	Rasheda Ghaffari	06/26/2023 22:09	Lipi Saha	2417656
	06/15/2023	07/10/2023 08:00	Fe-Val Siddell	07/12/2023 18:50	Michael Poppell	2417656
	06/15/2023	07/10/2023 08:00	Fe-Val Siddell	07/12/2023 19:22	Michael Poppell	2417658
EPA 8276	06/15/2023	06/21/2023 08:00	Rasheda Ghaffari	06/24/2023 05:47	Lipi Saha	2417656
	06/15/2023	06/21/2023 08:00	Rasheda Ghaffari	06/24/2023 11:31	Lipi Saha	2417658
EPA 8321B	06/15/2023	06/16/2023 12:00	Touraj Touran	06/16/2023 15:33	Touraj Touran	2417653
	06/15/2023	06/16/2023 12:00	Touraj Touran	06/16/2023 16:01	Touraj Touran	2417655
	06/15/2023	06/16/2023 12:00	Touraj Touran	06/18/2023 19:23	Touraj Touran	2417653
	06/15/2023	06/16/2023 12:00	Touraj Touran	06/18/2023 19:36	Touraj Touran	2417655

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	06/15/2023	06/19/2023 09:00	Hoor Shaik	06/20/2023 21:45	Juyoung Kim	2417653
	06/15/2023	06/19/2023 09:00	Hoor Shaik	06/20/2023 22:04	Juyoung Kim	2417655
	06/15/2023	06/19/2023 09:00	Hoor Shaik	06/21/2023 11:14	Juyoung Kim	2417653
	06/15/2023	06/20/2023 08:30	Hoor Shaik	06/21/2023 01:12	Juyoung Kim	2417652
	06/15/2023	06/20/2023 08:30	Hoor Shaik	06/21/2023 01:31	Juyoung Kim	2417654
SM 2320 B-2011	06/15/2023			06/21/2023 08:49	Dale L. Simmons	2417639
	06/15/2023			06/21/2023 09:02	Dale L. Simmons	2417640
	06/15/2023			06/21/2023 09:14	Dale L. Simmons	2417641
	06/15/2023			06/21/2023 09:23	Dale L. Simmons	2417645
SM 2540 C-2015	06/15/2023			06/19/2023 14:50	Dana G. Hughes	2417639, 2417640, 2417641, 2417645
SM 2540 D-2015	06/15/2023			06/19/2023 14:50	Dana G. Hughes	2417639, 2417640, 2417641, 2417645
SM 4500-F- C-2011	06/15/2023			06/21/2023 08:49	Dale L. Simmons	2417639
	06/15/2023			06/21/2023 09:02	Dale L. Simmons	2417640
	06/15/2023			06/21/2023 09:14	Dale L. Simmons	2417641
	06/15/2023			06/21/2023 09:23	Dale L. Simmons	2417645
SM 5310 B-2011	06/15/2023			06/20/2023 16:16	Elise M. Gillis	2417643
	06/15/2023			06/20/2023 17:43	Elise M. Gillis	2417642
	06/15/2023			06/20/2023 17:57	Elise M. Gillis	2417644
	06/15/2023			06/20/2023 18:46	Elise M. Gillis	2417646