Chemical Analysis Report

SE-DIST-2023-05-23-01

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

Event Description: **SMP - SE Okeechobee + Blank**
Request ID: **RQ-2023-05-08-65**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Andrew Luering

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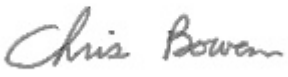
Certified by: Chris Bowen, Environmental Administrator

Date Certified: 12-JUN-2023 14:42



Case Narrative

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

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

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

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

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

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

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

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

Precision is reported as relative percent difference unless otherwise noted.

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

QC Codes used in this report may include:

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

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

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

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

Sample Location: SFWMD C2444 AT BEAN CITY **Collection Date/Time: 05/22/2023 12:00**

Field ID: G5SE0029 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411836	DEP SOP: NU-094-1	Color (true)	55		PCU	P430305	
	EPA 180.1 Rev. 2.0	Turbidity	8.9		NTU	P430255	
	EPA 300.0 Rev. 2.1	Chloride	64		mg Cl/L	P430524	
		Sulfate	44		mg SO4/L	P430525	
	SM 2320 B-2011	Total Alkalinity	190		mg CaCO3/L	P430510	
	SM 2540 C-2015	TDS	385		mg/L	P430790	
	SM 2540 D-2015	TSS	8	I	mg/L	P430857	
	SM 4500-F- C-2011	Fluoride	0.32		mg F/L	P430528	
2411837	EPA 350.1 Rev. 2.0	Ammonia-N	0.33		mg N/L	P430658	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.6		mg N/L	P430390	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.060		mg N/L	P430733	
	EPA 365.1 Rev. 2.0	Total-P	0.063		mg P/L	P430312	
	SM 5310 B-2011	Organic Carbon	16		mg C/L	P430447	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 365.1 Rev. 2.0: Total-P: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: FARM CANAL AT HWY 98 AND SR 717 **Collection Date/Time: 05/22/2023 13:15**

Field ID: G5SE0091 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411838	DEP SOP: NU-094-1	Color (true)	38		PCU	P430307	
	EPA 180.1 Rev. 2.0	Turbidity	28		NTU	P430255	
	EPA 300.0 Rev. 2.1	Chloride	49		mg Cl/L	P430524	
		Sulfate	23		mg SO4/L	P430525	
	SM 2320 B-2011	Total Alkalinity	96		mg CaCO3/L	P430510	
	SM 2540 C-2015	TDS	269		mg/L	P430790	
	SM 2540 D-2015	TSS	14		mg/L	P430857	
	SM 4500-F- C-2011	Fluoride	0.18		mg F/L	P430528	
2411839	EPA 350.1 Rev. 2.0	Ammonia-N	0.087		mg N/L	P430659	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.2		mg N/L	P430390	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.42		mg N/L	P430733	
	EPA 365.1 Rev. 2.0	Total-P	0.16		mg P/L	P430312	
	SM 5310 B-2011	Organic Carbon	14		mg C/L	P430447	
2411855	EPA 8321B	Aldicarb	0.020	U	ug/L	P430382	
		Aldicarb Sulfone	0.0020	U	ug/L	P430382	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P430382	MS
		Carbaryl	0.0020	U	ug/L	P430382	
		Carbofuran	0.0020	U	ug/L	P430382	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P430382	
		Methiocarb	0.0020	U	ug/L	P430382	
		Methomyl	0.0020	U	ug/L	P430382	
		Oxamyl	0.0020	U	ug/L	P430382	
		Propoxur	0.0020	U	ug/L	P430382	
2411856		2,4-D	0.082		ug/L	P430297	
		Acesulfame K	0.10	U	ug/L	P430190	
		2,4,5-T	0.0040	U	ug/L	P430297	
		AMPA	0.13	I	ug/L	P430190	
		Acetaminophen	0.0080	U	ug/L	P430297	
		Acetamiprid	0.0020	U	ug/L	P430297	
		Endothall	0.25	U	ug/L	P430190	
		Glufosinate	0.10	U	ug/L	P430190	
		Glyphosate	0.14	I	ug/L	P430190	
		Afidopyropen	0.0020	U	ug/L	P430297	
		Bentazon	0.0059		ug/L	P430297	
		Sucralose	0.28		ug/L	P430190	
		Benzovindiflupyr	0.0020	U	ug/L	P430297	
		Carbamazepine	8.0E-04	U	ug/L	P430297	
		Clothianidin	0.0020	U	ug/L	P430297	
		Dinotefuran	0.0020	U	ug/L	P430297	
		Diuron	0.0021	I	ug/L	P430297	
		Fenuron	0.032	U	ug/L	P430297	
		Fluridone	0.0050		ug/L	P430297	
		Imazapyr	0.013	I	ug/L	P430297	
		Hydrocodone	0.0020	U	ug/L	P430297	

Field ID: G5SE0091 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411856	EPA 8321B	Ibuprofen	0.080	U	ug/L	P430297	
		Imidacloprid	0.0020	U	ug/L	P430297	
		Linuron	0.0040	U	ug/L	P430297	
		Mandestrobin	0.0020	U	ug/L	P430297	
		MCPP	0.0020	U	ug/L	P430297	
		Naproxen	0.0080	U	ug/L	P430297	
		Primidone	0.0040	U	ug/L	P430297	
		Pyraclostrobin	0.0020	U	ug/L	P430297	
		Silvex	0.0040	U	ug/L	P430297	
		Thiamethoxam	0.0020	U	ug/L	P430297	
		Tolfenpyrad	0.0020	U	ug/L	P430297	
		Triclopyr	0.0040	U	ug/L	P430297	
2411858	EPA 8270E	Aldrin	0.66	U	ng/L	P430360	
		Alpha-BHC	0.10	U	ng/L	P430360	
		Alpha-Chlordane	0.20	U	ng/L	P430360	
		PCB-1016	2.0	U	ng/L	P430360	
		Beta-BHC	0.10	U	ng/L	P430360	
		PCB-1221	2.0	U	ng/L	P430360	
		Beta-Cyfluthrin	1.3	U	ng/L	P430360	
		PCB-1232	2.0	U	ng/L	P430360	
		Bifenthrin	0.51	U	ng/L	P430360	
		PCB-1242	2.0	U	ng/L	P430360	
		PCB-1248	2.0	U	ng/L	P430360	
		Chlorothalonil	3.7	U	ng/L	P430360	
		PCB-1254	2.0	U	ng/L	P430360	
		Cis-Nonachlor	0.20	U	ng/L	P430360	
		PCB-1260	2.0	U	ng/L	P430360	
		Cypermethrin	1.5	U	ng/L	P430360	
		Dacthal	0.15	U	ng/L	P430360	
		DDD-p,p'	0.26	U	ng/L	P430360	
		DDE-p,p'	0.26	I	ng/L	P430360	
		DDT-p,p'	0.26	U	ng/L	P430360	
		Delta-BHC	0.41	U	ng/L	P430360	
		Deltamethrin	1.3	U	ng/L	P430360	
		Dichlobenil	0.26	U	ng/L	P430360	
		Dicofol	1.3	U	ng/L	P430360	
		Dieldrin	0.41	U	ng/L	P430360	
		Endosulfan I	0.41	U	ng/L	P430360	
		Endosulfan II	0.41	U	ng/L	P430360	
		Endosulfan Sulfate	0.31	U	ng/L	P430360	
		Endrin	0.41	U	ng/L	P430360	
		Endrin Aldehyde	0.77	U	ng/L	P430360	
		Endrin Ketone	0.41	U	ng/L	P430360	
		Esfenvalerate	0.77	U	ng/L	P430360	
		Ethalfluralin	0.15	U	ng/L	P430360	

Field ID: G5SE0091 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411858	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P430360	
		Gamma-BHC	0.13	U	ng/L	P430360	
		Gamma-Chlordane	0.20	U	ng/L	P430360	
		Heptachlor	0.20	U	ng/L	P430360	
		Heptachlor Epoxide	0.26	U	ng/L	P430360	
		Hexachlorobenzene**	1.0	U	ng/L	P430360	
		Kepone	5.1	U	ng/L	P430360	
		Lambda-Cyhalothrin	0.77	U	ng/L	P430360	
		Methoprene	0.77	U	ng/L	P430360	
		Methoxychlor	0.31	U	ng/L	P430360	
		MGK-264	0.20	U	ng/L	P430360	
		Mirex	0.36	U	ng/L	P430360	
		Oxychlordane	0.31	U	ng/L	P430360	
		Permethrin	1.6	U	ng/L	P430360	
		Phenothrin	0.92	U	ng/L	P430360	
		Piperonyl Butoxide	1.0		ng/L	P430360	
		Prallethrin	2.0	U	ng/L	P430360	
		Tau-Fluvalinate	0.26	U	ng/L	P430360	
		Tetramethrin	0.77	U	ng/L	P430360	
		Trans-Nonachlor	0.20	U	ng/L	P430360	
		Triclosan Methyl	0.15	U	ng/L	P430360	
		Trifluralin	0.20	U	ng/L	P430360	
	EPA 8276	Chlordane	2.0	U	ng/L	P430360	
		Toxaphene	15	U	ng/L	P430360	
2411859	EPA 8270E	Oxybenzone**	10	U	ng/L	P430421	
		Acetochlor	0.20	U	ng/L	P430421	
		Octinoxate**	20	U	ng/L	P430421	
		Alachlor	0.41	U	ng/L	P430421	
		Avobenzone**	100	U	ng/L	P430421	
		Ametryn	11		ng/L	P430421	
		Atrazine	160		ng/L	P430421	
		PBDE-47**	4.1	U	ng/L	P430421	
		Atrazine Desethyl	38		ng/L	P430421	
		PBDE-99**	5.1	U	ng/L	P430421	
		Azinphos Methyl	3.1	U	ng/L	P430421	
		Tri-o-cresyl Phosphate**	6.1	U	ng/L	P430421	
		Azoxystrobin	1.9	I	ng/L	P430421	
		Bromacil	2.4	I	ng/L	P430421	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	U	ng/L	P430421	
		Butylate	0.20	U	ng/L	P430421	
		Dechlorane Plus**	31	U	ng/L	P430421	
		Caffeine**	18	I	ng/L	P430421	RPD
		Dechlorane 602**	5.1	U	ng/L	P430421	
		Carbophenothion	0.51	U	ng/L	P430421	

Field ID: G5SE0091 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411859	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P430421	
		Carfentrazone Ethyl	0.15	U	ng/L	P430421	
		Hexabromobenzene**	6.1	U	ng/L	P430421	
		Chlorfenapyr	0.31	U	ng/L	P430421	
		PBB-153**	8.1	UJ	ng/L	P430421	LCS, MS
		Chlorpyrifos Ethyl	0.31	U	ng/L	P430421	
		Pentabromotoluene**	3.1	U	ng/L	P430421	
		Chlorpyrifos Methyl	0.10	U	ng/L	P430421	
		Tris(2-chloroethyl) phosphate (TCEP)**	71	U	ng/L	P430421	
		Coumaphos	1.1	U	ng/L	P430421	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	15	U	ng/L	P430421	
		Cyanazine	5.1	U	ng/L	P430421	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.5	U	ng/L	P430421	
		Cyprodinil	0.20	U	ng/L	P430421	
		Tetradecachloro-m-terphenyl**	7.6	U	ng/L	P430421	
		Demeton	3.6	U	ng/L	P430421	
		Diazinon	0.13	U	ng/L	P430421	
		Difenoconazole	0.61	U	ng/L	P430421	
		Dimethenamid	0.10	U	ng/L	P430421	
		Dimethomorph	0.31	U	ng/L	P430421	
		Disulfoton	0.61	U	ng/L	P430421	
		Dithiopyr	1.0	U	ng/L	P430421	
		EPTC	0.51	U	ng/L	P430421	
		Ethion	0.31	U	ng/L	P430421	
		Ethoprop	0.13	U	ng/L	P430421	
		Etridiazole	0.10	U	ng/L	P430421	
		Fenamiphos	0.46	U	ng/L	P430421	
		Fenbuconazole	0.51	U	ng/L	P430421	
		Fipronil	0.20	U	ng/L	P430421	
		Fipronil Desulfinyl**	0.12	I	ng/L	P430421	
		Fipronil Sulfide	0.10	U	ng/L	P430421	
		Fipronil Sulfone	0.10	U	ng/L	P430421	
		Fluazifop-P-butyl	0.10	U	ng/L	P430421	
		Fludioxonil	0.10	U	ng/L	P430421	
		Flumioxazin	3.1	U	ng/L	P430421	
		Flutolanil	0.10	U	ng/L	P430421	
		Fluxapyroxad	0.67	I	ng/L	P430421	
		Fonofos	0.15	U	ng/L	P430421	
		Hexazinone	27		ng/L	P430421	
		Imazalil	0.66	U	ng/L	P430421	
		Iprodione	0.51	U	ng/L	P430421	
		Loratadine**	0.31	U	ng/L	P430421	
		Malathion	0.36	U	ng/L	P430421	
		Metalaxyl	1.2	I	ng/L	P430421	

Field ID: G5SE0091 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411859	EPA 8270E	Metolachlor	14		ng/L	P430421	
		Metribuzin	3.9		ng/L	P430421	
		Mevinphos	1.0	U	ng/L	P430421	
		Molinate	0.25	U	ng/L	P430421	
		Myclobutanil	0.36	U	ng/L	P430421	
		Naled	2.5	U	ng/L	P430421	
		Napropamide	0.71	U	ng/L	P430421	
		Norflurazon	1.0	U	ng/L	P430421	
		Oxadiazon	0.36	U	ng/L	P430421	
		Oxyfluorfen	0.20	U	ng/L	P430421	
		Parathion Ethyl	0.15	U	ng/L	P430421	
		Parathion Methyl	0.20	U	ng/L	P430421	
		Pendimethalin	0.76	UJ	ng/L	P430421	LCS
		Phenytoin**	5.4	U	ng/L	P430421	
		Phorate	0.25	U	ng/L	P430421	
		Prodiamine	0.20	U	ng/L	P430421	
		Prometon	3.1	U	ng/L	P430421	
		Prometryn	0.36	U	ng/L	P430421	
		Pronamide	0.10	U	ng/L	P430421	
		Propanil	0.10	U	ng/L	P430421	
		Propargite	0.81	U	ng/L	P430421	
		Propiconazole	9.9		ng/L	P430421	
		Pyraflufen Ethyl	0.31	U	ng/L	P430421	
		Pyridaben	1.4	U	ng/L	P430421	
		Pyriproxyfen	0.25	U	ng/L	P430421	
		Simazine	2.9		ng/L	P430421	
		Stirophos	0.41	U	ng/L	P430421	
		Sulfentrazone	1.4	U	ng/L	P430421	
		Tebuconazole	1.4	U	ng/L	P430421	
		Terbufos	0.20	U	ng/L	P430421	
		Terbuthylazine	0.20	U	ng/L	P430421	
		Thiobencarb	0.51	U	ng/L	P430421	
		Triadimefon	0.15	U	ng/L	P430421	
2411873	EPA 200.7 Rev. 4.4	Calcium	41.4		mg/L	P430320	
		Iron	870		ug/L	P430320	
		Magnesium	10.7		mg/L	P430320	
		Potassium	5.9		mg/L	P430320	
		Sodium	27.3		mg/L	P430320	
		Strontium	714		ug/L	P430320	
		Tin	3.0	U	ug/L	P430320	
		Titanium	6.3		ug/L	P430320	
		Vanadium	2.5	I	ug/L	P430320	
		Zinc	5.0	U	ug/L	P430320	
	EPA 200.8 Rev. 5.4	Aluminum	521		ug/L	P430320	
		Antimony	0.16	I	ug/L	P430320	

Field ID: G5SE0091 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411873	EPA 200.8 Rev. 5.4	Arsenic	1.84		ug/L	P430320	
		Barium	33.1		ug/L	P430320	
		Beryllium	0.039	I	ug/L	P430320	
		Boron	61.1		ug/L	P430320	
		Cadmium	0.020	U	ug/L	P430320	
		Chromium	0.98	I	ug/L	P430320	
		Cobalt	0.194		ug/L	P430320	
		Copper	1.00		ug/L	P430320	
		Lead	0.50		ug/L	P430320	
		Manganese	14.6		ug/L	P430320	
		Molybdenum	0.92		ug/L	P430320	
		Nickel	0.73	I	ug/L	P430320	
		Selenium	0.20	U	ug/L	P430320	
		Silver	0.010	U	ug/L	P430320	
		Thallium	0.10	U	ug/L	P430320	
	SM 2340 B-2011	Hardness	148		mg/L	P430320	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 365.1 Rev. 2.0: Total-P: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for some parameters not assessed due to high content of these parameters in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: FB **Collection Date/Time: 05/22/2023 13:30**

Field ID: FB_05222023 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411840	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P430305	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P430255	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P430524	
		Sulfate	0.20	U	mg SO4/L	P430525	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P430510	
	SM 2540 C-2015	TDS	15	U	mg/L	P430790	
	SM 2540 D-2015	TSS	2	U	mg/L	P430857	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P430528	
2411841	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P430659	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P430390	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P430733	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P430313	
	SM 5310 B-2011	Organic Carbon	0.50	U	mg C/L	P430447	
2411857	EPA 8321B	2,4-D	0.0020	U	ug/L	P430297	
		Acesulfame K	0.10	U	ug/L	P430190	
		2,4,5-T	0.0040	U	ug/L	P430297	
		AMPA	0.10	U	ug/L	P430190	
		Acetaminophen	0.0080	U	ug/L	P430297	
		Acetamiprid	0.0020	U	ug/L	P430297	
		Endothall	0.25	U	ug/L	P430190	
		Glufosinate	0.10	U	ug/L	P430190	
		Glyphosate	0.10	U	ug/L	P430190	
		Afidopyropen	0.0020	U	ug/L	P430297	
		Bentazon	8.0E-04	U	ug/L	P430297	
		Sucralose	0.010	U	ug/L	P430190	
		Benzovindiflupyr	0.0020	U	ug/L	P430297	
		Carbamazepine	8.0E-04	U	ug/L	P430297	
		Clothianidin	0.0020	U	ug/L	P430297	
		Dinotefuran	0.0020	U	ug/L	P430297	
		Diuron	0.0020	U	ug/L	P430297	
		Fenuron	0.032	U	ug/L	P430297	
		Fluridone	8.0E-04	U	ug/L	P430297	
		Imazapyr	0.0040	U	ug/L	P430297	
		Hydrocodone	0.0020	U	ug/L	P430297	
		Ibuprofen	0.080	U	ug/L	P430297	
		Imidacloprid	0.0020	U	ug/L	P430297	
		Linuron	0.0040	U	ug/L	P430297	
		Mandestrobin	0.0020	U	ug/L	P430297	
		MCPP	0.0020	U	ug/L	P430297	
		Naproxen	0.0080	U	ug/L	P430297	
		Primidone	0.0040	U	ug/L	P430297	
		Pyraclostrobin	0.0020	U	ug/L	P430297	
		Silvex	0.0040	U	ug/L	P430297	
		Thiamethoxam	0.0020	U	ug/L	P430297	

Field ID: FB_05222023 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2411857	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P430297	
		Triclopyr	0.0040	U	ug/L	P430297	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P430305

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: DEP SOP: NU-094-1
Batch ID: P430307

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430255

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P430320

Component	Result	Code	Units
Calcium	0.075	U	mg/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Potassium	0.30	U	mg/L
Sodium	0.50	U	mg/L
Strontium	2.0	U	ug/L
Tin	3.0	U	ug/L
Titanium	0.75	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P430320

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Barium	0.20	U	ug/L
Beryllium	0.010	U	ug/L
Boron	2.0	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.40	U	ug/L
Cobalt	0.020	U	ug/L
Copper	0.40	U	ug/L
Lead	0.20	U	ug/L
Manganese	0.10	U	ug/L
Molybdenum	0.15	U	ug/L
Nickel	0.50	U	ug/L
Selenium	0.20	U	ug/L
Silver	0.010	U	ug/L
Thallium	0.10	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430524

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430525

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430658

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430659

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430390

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430733

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430312

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430313

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

Reference Method: EPA 8270E
Batch ID: P430360

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430360

Component	Result	Code	Units
Alpha-Chlordane	0.20	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Bifenthrin	0.50	U	ng/L
Chlorothalonil	3.6	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.25	U	ng/L
DDT-p,p'	0.25	U	ng/L
Delta-BHC	0.40	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfluralin	0.15	U	ng/L
Ethalfluralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430360

Component	Result	Code	Units
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	5.0	U	ng/L
Kepone	5.0	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430360

Component	Result	Code	Units
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8270E
Batch ID: P430421

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
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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430421

Component	Result	Code	Units
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
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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430421

Component	Result	Code	Units
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
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	5.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	0.75	U	ng/L
Pendimethalin	0.75	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytoin	5.3	U	ng/L
Phenytoin	5.3	U	ng/L
Phorate	0.25	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P430421

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

Reference Method: EPA 8276
Batch ID: P430360

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8276
Batch ID: P430360

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

Reference Method: EPA 8321B
Batch ID: P430190

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: P430297

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

Reference Method: EPA 8321B
Batch ID: P430382

Component	Result	Code	Units
3-Hydroxycarbofuran	0.0020	U	ug/L
Aldicarb	0.020	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P430382

Component	Result	Code	Units
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: P430510

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

Reference Method: SM 2540 C-2015
Batch ID: P430790

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P430857

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P430528

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P430447

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: P430305

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

Reference Method: DEP SOP: NU-094-1
Batch ID: P430307

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.3		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430255

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	99.5		P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P430320

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	100		P	85 - 115
Iron	102		P	85 - 115
Magnesium	102		P	85 - 115
Potassium	102		P	85 - 115
Sodium	94.7		P	85 - 115
Strontium	99.6		P	85 - 115
Tin	103		P	85 - 115
Titanium	101		P	85 - 115
Vanadium	100		P	85 - 115
Zinc	100		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P430320

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	97.7		P	85 - 115
Antimony	97.5		P	85 - 115
Arsenic	97.8		P	85 - 115
Barium	99.6		P	85 - 115
Beryllium	94.4		P	85 - 115
Boron	101		P	85 - 115
Cadmium	97.0		P	85 - 115
Chromium	94.6		P	85 - 115
Cobalt	97.2		P	85 - 115
Copper	96.3		P	85 - 115
Lead	98.6		P	85 - 115
Manganese	97.1		P	85 - 115
Molybdenum	95.2		P	85 - 115
Nickel	95.0		P	85 - 115
Selenium	97.9		P	85 - 115
Silver	99.0		P	85 - 115
Thallium	96.0		P	85 - 115

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430524

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430525

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sulfate	97.4		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430658

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430659

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430390

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430733

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430312

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430313

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

Reference Method: EPA 8270E
Batch ID: P430360

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	46.2		P	10 - 92.0
Alpha-BHC	76.6		P	75 - 107
Alpha-Chlordane	69.8		P	50 - 108
Beta-BHC	75.7		P	36 - 138

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P430360

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Beta-Cyfluthrin	69.2		P	20 - 161
Bifenthrin	45.8		P	10 - 119
Chlorothalonil	76.3		P	26 - 186
Cis-Nonachlor	75.2		P	42 - 119
Cypermethrin	74.4		P	22 - 150
Dacthal	77.2		P	72 - 119
DDD-p,p'	68.6		P	45 - 107
DDE-p,p'	65.6		P	48 - 106
DDT-p,p'	62.1		P	48 - 110
Delta-BHC	87.7		P	54 - 140
Deltamethrin	75.2		P	22 - 189
Dichlobenil	62.8		P	36 - 117
Dicofol	62.4		P	46 - 155
Dieldrin	73.1		P	54 - 110
Endosulfan I	73.8		P	59 - 105
Endosulfan II	77.3		P	51 - 118
Endosulfan Sulfate	77.7		P	57 - 121
Endrin	68.4		P	10 - 120
Endrin Aldehyde	80.0		P	34 - 118
Endrin Ketone	80.5		P	69 - 177
Esfenvalerate	67.1		P	23 - 168
Ethalfluralin	70.2		P	49 - 99.0
Fenpropathrin	72.0		P	34 - 117
Gamma-BHC	84.6		P	72 - 117
Gamma-Chlordane	62.9		P	43 - 106
Heptachlor	56.5		P	41 - 98.0
Heptachlor Epoxide	71.2		P	57 - 106
Hexachlorobenzene	57.0		P	36 - 99.0
Kepone	136		P	16 - 215
Lambda-Cyhalothrin	60.9		P	21 - 177
Methoprene	55.4		P	10 - 119
Methoxychlor	70.7		P	60 - 112
MGK-264	75.9		P	26 - 122
Mirex	54.0		P	10 - 169
Oxychlordane	64.1		P	43 - 105
PCB-1016	69.0		P	48 - 112
PCB-1260	88.1		P	44 - 118
Permethrin	59.6		P	24 - 148
Phenothrin	46.1		P	10 - 106
Piperonyl Butoxide	76.1		P	10 - 139
Prallethrin	70.0		P	17 - 109
Tau-Fluvalinate	58.4		P	13 - 131
Tetramethrin	77.3		P	10 - 132
Trans-Nonachlor	72.6		P	44 - 106
Triclosan Methyl	73.1		P	59 - 109
Trifluralin	64.7		P	44 - 101

Reference Method: EPA 8270E
Batch ID: P430421

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	131		P	42 - 162

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P430421

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	77.3		P	69 - 123
Alachlor	86.5		P	65 - 118
Ametryn	106		P	58 - 141
Atrazine	89.8		P	73 - 118
Atrazine Desethyl	91.8		P	32 - 125
Avobenzone	193		P	40 - 203
Azinphos Methyl	130		P	36 - 197
Azoxystrobin	106		P	58 - 226
Bromacil	92.5		P	48 - 120
Butylate	73.1		P	27 - 85.0
Caffeine	101		P	40 - 137
Carbophenothion	113		P	54 - 132
Carfentrazone Ethyl	113		P	60 - 142
Chlorfenapyr	78.7		P	53 - 117
Chlorpyrifos Ethyl	86.1		P	59 - 116
Chlorpyrifos Methyl	93.2		P	66 - 119
Coumaphos	130		P	11 - 234
Cyanazine	123		P	61 - 248
Cyprodinil	82.6		P	50 - 147
Dechlorane 602	115		P	50 - 150
Dechlorane 603	144		P	50 - 150
Dechlorane Plus	117		P	47 - 182
Demeton	66.4		P	30 - 138
Diazinon	105		P	67 - 126
Difenoconazole	113		P	38 - 205
Dimethenamid	103		P	57 - 111
Dimethomorph	99.1		P	16 - 212
Disulfoton	95.8		P	46 - 126
Dithiopyr	98.1		P	62 - 115
EPTC	71.1		P	28 - 80.0
Ethion	91.6		P	24 - 122
Ethoprop	90.8		P	62 - 113
Etridiazole	74.2		P	28 - 92.0
Fenamiphos	83.9		P	57 - 128
Fenbuconazole	83.8		P	52 - 155
Fipronil	88.3		P	63 - 130
Fipronil Desulfinyl	97.8		P	61 - 130
Fipronil Sulfide	97.5		P	56 - 117
Fipronil Sulfone	95.5		P	52 - 118
Fluazifop-P-butyl	71.3		P	61 - 128
Fludioxonil	92.6		P	59 - 129
Flumioxazin	110		P	30 - 250
Flutolanil	87.2		P	53 - 127
Fluxapyroxad	99.0		P	42 - 132
Fonofos	105		P	61 - 110
Hexabromobenzene	132		P	50 - 150
Hexazinone	95.7		P	46 - 139
Imazalil	60.2		P	40 - 139
Iprodione	84.8		P	40 - 146
Loratadine	143		P	10 - 224
Malathion	98.4		P	61 - 135
Metalaxyl	76.3		P	58 - 121

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P430421

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Metolachlor	104		P	64 - 118
Metribuzin	84.5		P	45 - 245
Mevinphos	90.6		P	49 - 118
Molinate	67.9		P	42 - 92.0
Myclobutanil	100		P	55 - 127
Naled	25.2		P	10 - 114
Napropamide	78.5		P	39 - 121
Norflurazon	97.2		P	55 - 129
Octinoxate	121		P	26 - 166
Oxadiazon	91.8		P	54 - 115
Oxybenzone	120		P	49 - 135
Oxyfluorfen	105		P	64 - 139
Parathion Ethyl	96.1		P	70 - 111
Parathion Methyl	109		P	76 - 136
PBB-153	153		F	50 - 150
PBDE-47	120		P	41 - 148
PBDE-99	122		P	38 - 147
Pendimethalin	124		F	52 - 118
Pentabromotoluene	116		P	50 - 150
Phenytoin	64.4		P	10 - 162
Phorate	96.8		P	40 - 122
Prodiamine	52.5		P	26 - 141
Prometon	76.5		P	54 - 122
Prometryn	118		P	61 - 128
Pronamide	110		P	72 - 121
Propanil	107		P	45 - 144
Propargite	94.9		P	10 - 199
Propiconazole	80.5		P	56 - 127
Pyraflufen Ethyl	72.5		P	56 - 140
Pyridaben	100		P	26 - 211
Pyriproxyfen	105		P	33 - 194
Simazine	94.8		P	67 - 121
Stirophos	84.6		P	20 - 142
Sulfentrazone	99.9		P	21 - 144
Tebuconazole	73.2		P	10 - 122
Terbufos	97.3		P	60 - 129
Terbuthylazine	81.5		P	69 - 113
Tetradecachloro-m-terphenyl	184		P	70 - 200
Thiobencarb	104		P	51 - 120
Tri-o-cresyl Phosphate	123		P	49 - 150
Triadimefon	93.2		P	56 - 114
Tris(1-chloro-2-propyl) phosphate (TCPP)	98.6		P	50 - 150
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	112		P	50 - 150
Tris(2-chloroethyl) phosphate (TCEP)	121		P	70 - 180

Reference Method: EPA 8276
Batch ID: P430360

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	95.2		P	61 - 116
Toxaphene	99.6		P	48 - 124

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P430190

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	116		P	40 - 150
AMPA	103		P	40 - 150
Endothall	146		P	40 - 150
Glufosinate	104		P	40 - 150
Glyphosate	101		P	40 - 150
Sucralose	114		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P430297

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	94.2		P	40 - 150
2,4,5-T	86.6		P	40 - 150
Acetaminophen	81.4		P	30 - 150
Acetamiprid	87.3		P	40 - 150
Afidopyropen	62.5		P	30 - 150
Bentazon	107		P	30 - 150
Benzovindiflupyr	86.4		P	40 - 150
Carbamazepine	82.8		P	40 - 150
Clothianidin	96.1		P	40 - 150
Dinotefuran	93.3		P	40 - 150
Diuron	75.7		P	40 - 150
Fenuron	93.5		P	40 - 150
Fluridone	91.2		P	40 - 150
Hydrocodone	86.7		P	40 - 150
Ibuprofen	92.5		P	40 - 150
Imazapyr	96.8		P	40 - 150
Imidacloprid	90.9		P	40 - 150
Linuron	86.6		P	40 - 150
Mandestrobin	78.9		P	40 - 150
MCPP	97.5		P	40 - 150
Naproxen	78.1		P	40 - 150
Primidone	84.4		P	40 - 150
Pyraclostrobin	82.1		P	40 - 150
Silvex	96.6		P	40 - 150
Thiamethoxam	98.2		P	40 - 150
Tolfenpyrad	66.4		P	30 - 150
Triclopyr	80.4		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P430382

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	74.2		P	40 - 150
Aldicarb	46.3		P	30 - 150
Aldicarb Sulfone	90.7		P	40 - 150
Aldicarb Sulfoxide	102		P	40 - 150
Carbaryl	81.8		P	40 - 150
Carbofuran	77.6		P	40 - 150
Methiocarb	73.3		P	40 - 150
Methomyl	74.8		P	40 - 150
Oxamyl	88.6		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P430382

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Propoxur	72.8		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P430510

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

Reference Method: SM 2540 C-2015
Batch ID: P430790

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

Reference Method: SM 2540 D-2015
Batch ID: P430857

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	90.7		P	85 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P430528

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

Reference Method: SM 5310 B-2011
Batch ID: P430447

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.7		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P430320

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411721	Calcium	99.4		P	80 - 120
2411721	Iron	103	102	P/P	80 - 120
2411721	Magnesium	99.4		P	80 - 120
2411721	Potassium	101	101	P/P	80 - 120
2411721	Sodium	94.3		P	80 - 120
2411721	Strontium	99.2	98.7	P/P	80 - 120
2411721	Tin	99.8	98.3	P/P	80 - 120
2411721	Titanium	101	101	P/P	80 - 120
2411721	Vanadium	101	100	P/P	80 - 120
2411721	Zinc	98.6	98.0	P/P	80 - 120
2411887	Calcium	102		P	80 - 120
2411887	Iron	105		P	80 - 120
2411887	Magnesium	102		P	80 - 120
2411887	Potassium	103		P	80 - 120
2411887	Sodium	95.2		P	80 - 120
2411887	Strontium	101		P	80 - 120
2411887	Tin	106		P	80 - 120
2411887	Titanium	104		P	80 - 120
2411887	Vanadium	104		P	80 - 120
2411887	Zinc	102		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P430320

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411721	Aluminum	99.9	97.4	P/P	80 - 120
2411721	Antimony	99.9	101	P/P	80 - 120
2411721	Arsenic	98.3	98.4	P/P	80 - 120
2411721	Barium	99.4	101	P/P	80 - 120
2411721	Beryllium	100	96.8	P/P	80 - 120
2411721	Boron	105	106	P/P	80 - 120
2411721	Cadmium	99.1	101	P/P	80 - 120
2411721	Chromium	94.7	93.8	P/P	80 - 120
2411721	Cobalt	96.4	95.5	P/P	80 - 120
2411721	Copper	92.0	91.4	P/P	80 - 120
2411721	Lead	100	100	P/P	80 - 120
2411721	Manganese	96.8	96.4	P/P	80 - 120
2411721	Molybdenum	98.0	99.4	P/P	80 - 120
2411721	Nickel	94.2	92.9	P/P	80 - 120
2411721	Selenium	99.0	98.4	P/P	80 - 120
2411721	Silver	100	102	P/P	80 - 120
2411721	Thallium	99.7	100	P/P	80 - 120
2411887	Aluminum	101		P	80 - 120
2411887	Antimony	100		P	80 - 120
2411887	Arsenic	98.7		P	80 - 120
2411887	Barium	101		P	80 - 120
2411887	Beryllium	96.0		P	80 - 120
2411887	Boron	107		P	80 - 120
2411887	Cadmium	99.5		P	80 - 120
2411887	Chromium	96.6		P	80 - 120
2411887	Cobalt	98.1		P	80 - 120
2411887	Copper	96.2		P	80 - 120

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P430320

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411887	Lead	102		P	80 - 120
2411887	Manganese	98.1		P	80 - 120
2411887	Molybdenum	98.1		P	80 - 120
2411887	Nickel	95.7		P	80 - 120
2411887	Selenium	98.4		P	80 - 120
2411887	Silver	100		P	80 - 120
2411887	Thallium	100		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430524

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411832	Chloride	96.4		P	90 - 110
2412105	Chloride	97.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430525

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411832	Sulfate	96.3		P	90 - 110
2412105	Sulfate	96.6		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430658

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411771	Ammonia-N	97.8	98.6	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430659

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411883	Ammonia-N	96.4	97.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430390

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411835	Kjeldahl Nitrogen	96.6	104	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430733

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411833	NO2NO3-N	104	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430313

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2412099	Total-P	100	101	P/P	90 - 110

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P430360

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2412203	PCB-1016	71.9	66.9	P/P	46 - 111
2412203	PCB-1260	78.2	66.0	P/P	45 - 114
2412722	Aldrin	45.7	45.3	P/P	20 - 82.0
2412722	Alpha-BHC	86.3	81.5	P/P	71 - 109
2412722	Alpha-Chlordane	71.1	81.9	P/P	42 - 106
2412722	Beta-BHC	82.6	84.7	P/P	69 - 180
2412722	Beta-Cyfluthrin	74.0	78.5	P/P	18 - 175
2412722	Bifenthrin	49.6	41.0	P/P	21 - 128
2412722	Chlorothalonil	100	100	P/P	10 - 300
2412722	Cis-Nonachlor	74.3	73.6	P/P	34 - 106
2412722	Cypermethrin	81.2	80.0	P/P	22 - 158
2412722	Dacthal	82.7	86.4	P/P	54 - 116
2412722	DDD-p,p'	72.6	75.5	P/P	34 - 107
2412722	DDE-p,p'	71.5	74.3	P/P	33 - 110
2412722	DDT-p,p'	68.2	61.3	P/P	50 - 122
2412722	Delta-BHC	97.0	98.6	P/P	77 - 193
2412722	Deltamethrin	92.6	88.5	P/P	10 - 195
2412722	Dichlobenil	44.1	38.4	P/P	25 - 113
2412722	Dicofol	70.9	65.8	P/P	38 - 247
2412722	Dieldrin	79.6	79.9	P/P	45 - 118
2412722	Endosulfan I	80.3	80.3	P/P	51 - 106
2412722	Endosulfan II	79.0	86.9	P/P	37 - 122
2412722	Endosulfan Sulfate	73.3	81.4	P/P	43 - 132
2412722	Endrin	74.3	72.4	P/P	29 - 101
2412722	Endrin Aldehyde	90.4	93.6	P/P	19 - 110
2412722	Endrin Ketone	78.1	92.4	P/P	60 - 140
2412722	Esfenvalerate	76.4	72.9	P/P	26 - 199
2412722	Ethalfluralin	70.9	67.1	P/P	45 - 99.0
2412722	Fenpropathrin	77.9	75.4	P/P	35 - 120
2412722	Gamma-BHC	122	116	P/P	63 - 128
2412722	Gamma-Chlordane	70.5	71.1	P/P	40 - 104
2412722	Heptachlor	59.9	58.8	P/P	36 - 97.0
2412722	Heptachlor Epoxide	71.5	70.4	P/P	49 - 184
2412722	Hexachlorobenzene	49.1	43.3	P/P	39 - 96.0
2412722	Kepone	138	140	P/P	10 - 217
2412722	Lambda-Cyhalothrin	67.1	66.8	P/P	21 - 193
2412722	Methoprene	58.6	56.6	P/P	20 - 106
2412722	Methoxychlor	79.7	71.2	P/P	53 - 118
2412722	MGK-264	78.3	84.7	P/P	40 - 118
2412722	Mirex	63.2	58.9	P/P	26 - 92.0
2412722	Oxychlordane	74.6	71.3	P/P	44 - 99.0
2412722	Permethrin	69.1	59.0	P/P	33 - 182
2412722	Phenothrin	60.1	52.2	P/P	10 - 129
2412722	Piperonyl Butoxide	80.3	69.4	P/P	10 - 211
2412722	Prallethrin	71.5	71.4	P/P	24 - 113
2412722	Tau-Fluvalinate	67.8	65.3	P/P	14 - 149
2412722	Tetramethrin	83.9	75.8	P/P	17 - 151
2412722	Trans-Nonachlor	74.5	77.9	P/P	42 - 102
2412722	Triclosan Methyl	78.4	79.1	P/P	48 - 108
2412722	Trifluralin	74.8	68.9	P/P	47 - 96.0

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P430421

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411888	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	134	134	P/P	26 - 165
2411888	Acetochlor	84.1	69.9	P/P	67 - 124
2411888	Alachlor	82.5	78.9	P/P	60 - 120
2411888	Ametryn	116	102	P/P	54 - 216
2411888	Atrazine Desethyl	76.6	73.3	P/P	15 - 122
2411888	Avobenzone	176	173	P/P	37 - 178
2411888	Azinphos Methyl	119	94.8	P/P	40 - 292
2411888	Azoxystrobin	101	84.0	P/P	35 - 220
2411888	Bromacil	87.9	76.7	P/P	45 - 127
2411888	Butylate	51.1	54.1	P/P	20 - 83.0
2411888	Carbophenothion	114	99.9	P/P	57 - 127
2411888	Carfentrazone Ethyl	115	97.1	P/P	51 - 141
2411888	Chlorfenapyr	77.1	69.6	P/P	46 - 111
2411888	Chlorpyrifos Ethyl	76.8	71.7	P/P	52 - 120
2411888	Chlorpyrifos Methyl	97.8	87.3	P/P	63 - 119
2411888	Coumaphos	71.4	76.3	P/P	10 - 228
2411888	Cyanazine	115	86.0	P/P	59 - 241
2411888	Cyprodinil	85.1	72.4	P/P	47 - 146
2411888	Dechlorane 602	114	117	P/P	50 - 150
2411888	Dechlorane 603	133	134	P/P	50 - 150
2411888	Dechlorane Plus	96.4	89.8	P/P	50 - 150
2411888	Demeton	64.2	56.8	P/P	40 - 136
2411888	Diazinon	107	103	P/P	69 - 132
2411888	Difenoconazole	129	110	P/P	57 - 258
2411888	Dimethenamid	109	95.8	P/P	54 - 110
2411888	Dimethomorph	99.8	69.1	P/P	28 - 210
2411888	Disulfoton	101	84.3	P/P	43 - 133
2411888	Dithiopyr	102	90.2	P/P	39 - 116
2411888	EPTC	50.1	55.8	P/P	20 - 78.0
2411888	Ethion	97.8	92.1	P/P	17 - 119
2411888	Ethoprop	89.9	77.8	P/P	66 - 120
2411888	Etridiazole	62.3	59.5	P/P	28 - 96.0
2411888	Fenamiphos	85.6	73.2	P/P	41 - 126
2411888	Fenbuconazole	86.7	75.0	P/P	42 - 169
2411888	Fipronil	95.3	82.8	P/P	61 - 132
2411888	Fipronil Desulfinyl	105	93.3	P/P	56 - 132
2411888	Fipronil Sulfide	108	87.0	P/P	48 - 119
2411888	Fipronil Sulfone	102	94.9	P/P	42 - 131
2411888	Fluazifop-P-butyl	69.3	61.1	P/P	53 - 131
2411888	Fludioxonil	88.1	71.5	P/P	56 - 127
2411888	Flumioxazin	152	121	P/P	19 - 300
2411888	Flutolanil	82.9	73.1	P/P	41 - 127
2411888	Fluxapyroxad	108	94.2	P/P	42 - 172
2411888	Fonofos	105	96.8	P/P	59 - 113
2411888	Hexabromobenzene	134	133	P/P	50 - 150
2411888	Hexazinone	96.7	86.8	P/P	66 - 122
2411888	Imazalil	72.0	60.0	P/P	21 - 283
2411888	Iprodione	91.3	82.2	P/P	43 - 150
2411888	Loratadine	153	125	P/P	23 - 201
2411888	Malathion	101	89.5	P/P	58 - 136
2411888	Metalaxyl	87.5	80.6	P/P	55 - 120
2411888	Metolachlor	101	90.3	P/P	57 - 121

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P430421

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411888	Metribuzin	92.0	81.1	P/P	58 - 294
2411888	Mevinphos	79.9	71.7	P/P	50 - 126
2411888	Molinate	52.2	54.0	P/P	42 - 93.0
2411888	Myclobutanil	98.1	81.9	P/P	55 - 125
2411888	Naled	22.5	22.8	P/P	18 - 200
2411888	Napropamide	85.8	73.8	P/P	39 - 110
2411888	Norflurazon	100	94.0	P/P	48 - 128
2411888	Octinoxate	118	116	P/P	21 - 159
2411888	Oxadiazon	91.1	74.5	P/P	43 - 112
2411888	Oxybenzone	122	120	P/P	41 - 142
2411888	Oxyfluorfen	104	81.7	P/P	64 - 153
2411888	Parathion Ethyl	99.4	86.9	P/P	69 - 114
2411888	Parathion Methyl	101	99.6	P/P	79 - 139
2411888	PBB-153	151	150	F/F	50 - 150
2411888	PBDE-47	125	117	P/P	27 - 144
2411888	PBDE-99	127	122	P/P	18 - 150
2411888	Pendimethalin	138	117	P/P	50 - 139
2411888	Pentabromotoluene	116	115	P/P	50 - 150
2411888	Phenytoin	76.5	78.0	P/P	10 - 146
2411888	Phorate	91.1	83.2	P/P	54 - 161
2411888	Prodiamine	62.2	56.4	P/P	30 - 161
2411888	Prometon	53.0	58.5	P/P	45 - 134
2411888	Prometryn	121	107	P/P	45 - 137
2411888	Pronamide	119	105	P/P	65 - 133
2411888	Propanil	105	92.8	P/P	49 - 142
2411888	Propargite	97.7	95.4	P/P	10 - 203
2411888	Propiconazole	85.5	73.6	P/P	38 - 146
2411888	Pyraflufen Ethyl	62.6	58.9	P/P	34 - 153
2411888	Pyriproxyfen	110	95.0	P/P	33 - 180
2411888	Simazine	99.9	82.0	P/P	51 - 157
2411888	Stirophos	89.2	86.7	P/P	10 - 128
2411888	Sulfentrazone	92.8	86.3	P/P	53 - 186
2411888	Tebuconazole	87.6	84.9	P/P	10 - 133
2411888	Terbufos	102	94.1	P/P	65 - 139
2411888	Terbuthylazine	84.0	77.2	P/P	66 - 117
2411888	Tetradecachloro-m-terphenyl	153	140	P/P	70 - 200
2411888	Thiobencarb	108	93.4	P/P	51 - 119
2411888	Tri-o-cresyl Phosphate	117	114	P/P	31 - 144
2411888	Triadimefon	91.7	80.7	P/P	48 - 119
2411888	Tris(1-chloro-2-propyl) phosphate (TCPP)	82.6	76.3	P/P	50 - 150
2411888	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	112	109	P/P	50 - 150
2411888	Tris(2-chloroethyl) phosphate (TCEP)	118	114	P/P	70 - 180

Reference Method: EPA 8276
Batch ID: P430360

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2412203	Chlordane	84.9	80.0	P/P	53 - 126
2412203	Toxaphene	100	95.8	P/P	56 - 211

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P430190

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411694	Acesulfame K	102	101	P/P	40 - 150
2411694	AMPA	75.9	75.3	P/P	40 - 150
2411694	Endothall	146	149	P/P	40 - 150
2411694	Glufosinate	60.2	65.4	P/P	40 - 150
2411694	Glyphosate	66.9	64.4	P/P	40 - 150
2411694	Sucralose	117	111	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P430297

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411341	2,4-D	100	89.0	P/P	40 - 150
2411341	2,4,5-T	102	99.0	P/P	40 - 150
2411341	Acetaminophen	102	90.6	P/P	30 - 150
2411341	Acetamiprid	80.5	72.8	P/P	40 - 150
2411341	Afidopyropen	87.0	72.9	P/P	30 - 150
2411341	Benzovindiflupyr	90.1	87.0	P/P	40 - 150
2411341	Carbamazepine	74.9	69.4	P/P	40 - 150
2411341	Clothianidin	104	101	P/P	40 - 150
2411341	Dinotefuran	82.5	77.1	P/P	40 - 150
2411341	Diuron	72.3	70.7	P/P	40 - 150
2411341	Fenuron	74.6	67.0	P/P	40 - 150
2411341	Fluridone	92.5	83.1	P/P	40 - 150
2411341	Hydrocodone	75.2	68.8	P/P	40 - 150
2411341	Ibuprofen	82.8	84.4	P/P	40 - 150
2411341	Imazapyr	98.7	87.8	P/P	40 - 150
2411341	Linuron	76.7	76.1	P/P	40 - 150
2411341	Mandestrobin	86.0	84.9	P/P	40 - 150
2411341	MCPP	96.8	97.7	P/P	40 - 150
2411341	Naproxen	80.6	79.7	P/P	40 - 150
2411341	Primidone	102	93.4	P/P	40 - 150
2411341	Pyraclostrobin	94.9	88.8	P/P	40 - 150
2411341	Silvex	87.6	81.4	P/P	40 - 150
2411341	Thiamethoxam	110	103	P/P	40 - 150
2411341	Tolfenpyrad	65.3	61.1	P/P	30 - 150
2411341	Triclopyr	94.0	88.8	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P430382

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2412366	3-Hydroxycarbofuran	47.6	58.2	P/P	40 - 150
2412366	Aldicarb	32.0	33.3	P/P	30 - 150
2412366	Aldicarb Sulfone	79.6	76.7	P/P	40 - 150
2412366	Aldicarb Sulfoxide	30.8	30.1	F/F	40 - 150
2412366	Carbaryl	62.2	67.8	P/P	40 - 150
2412366	Carbofuran	49.1	49.5	P/P	40 - 150
2412366	Methiocarb	78.0	71.5	P/P	40 - 150
2412366	Methomyl	59.0	55.4	P/P	40 - 150
2412366	Oxamyl	70.6	68.8	P/P	40 - 150
2412366	Propoxur	45.3	42.5	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P430528

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411831	Fluoride	100	98.5	P/P	94 - 106

Reference Method: SM 5310 B-2011
Batch ID: P430447

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2411835	Organic Carbon	91.4	95.2	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P430305

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411768	Color (true)	2.19	Sample	P	0 - 20

Reference Method: DEP SOP: NU-094-1
Batch ID: P430307

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411830	Color (true)	1.98	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P430255

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411724	Turbidity	1.75	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P430320

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411721	Calcium	1.05	Spike	P	0 - 20
2411721	Iron	0.915	Spike	P	0 - 20
2411721	Magnesium	1.14	Spike	P	0 - 20
2411721	Potassium	0.110	Spike	P	0 - 20
2411721	Sodium	0.584	Spike	P	0 - 20
2411721	Strontium	0.464	Spike	P	0 - 20
2411721	Tin	1.49	Spike	P	0 - 20
2411721	Titanium	0.0977	Spike	P	0 - 20
2411721	Vanadium	0.510	Spike	P	0 - 20
2411721	Zinc	0.642	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P430320

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411721	Aluminum	2.52	Spike	P	0 - 20
2411721	Antimony	0.950	Spike	P	0 - 20
2411721	Arsenic	0.0250	Spike	P	0 - 20
2411721	Barium	1.51	Spike	P	0 - 20
2411721	Beryllium	3.17	Spike	P	0 - 20
2411721	Boron	0.174	Spike	P	0 - 20
2411721	Cadmium	2.28	Spike	P	0 - 20
2411721	Chromium	0.883	Spike	P	0 - 20
2411721	Cobalt	0.898	Spike	P	0 - 20
2411721	Copper	0.610	Spike	P	0 - 20
2411721	Lead	0.106	Spike	P	0 - 20
2411721	Manganese	0.360	Spike	P	0 - 20
2411721	Molybdenum	1.23	Spike	P	0 - 20
2411721	Nickel	1.37	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P430320

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411721	Selenium	0.568	Spike	P	0 - 20
2411721	Silver	2.26	Spike	P	0 - 20
2411721	Thallium	0.654	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430524

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411832	Chloride	0.741	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P430525

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411832	Sulfate	1.29	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430658

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411771	Ammonia-N	0.697	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P430659

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411883	Ammonia-N	1.15	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P430390

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411835	Kjeldahl Nitrogen	4.50	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P430733

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411833	NO2NO3-N	0.484	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430312

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits

Quality Assurance Report
Precision

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430312

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411829	Total-P	0.436	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P430313

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2412099	Total-P	0.658	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P430360

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2412203	PCB-1016	7.17	Spike	P	0 - 32
2412203	PCB-1260	16.9	Spike	P	0 - 31
2412722	Aldrin	0.790	Spike	P	0 - 41
2412722	Alpha-BHC	5.79	Spike	P	0 - 25
2412722	Alpha-Chlordane	14.1	Spike	P	0 - 33
2412722	Beta-BHC	2.57	Spike	P	0 - 36
2412722	Beta-Cyfluthrin	5.91	Spike	P	0 - 42
2412722	Bifenthrin	19.0	Spike	P	0 - 53
2412722	Chlorothalonil	0.222	Spike	P	0 - 71
2412722	Cis-Nonachlor	0.960	Spike	P	0 - 29
2412722	Cypermethrin	1.60	Spike	P	0 - 40
2412722	Dacthal	4.46	Spike	P	0 - 26
2412722	DDD-p,p'	3.97	Spike	P	0 - 39
2412722	DDE-p,p'	3.93	Spike	P	0 - 33
2412722	DDT-p,p'	10.7	Spike	P	0 - 40
2412722	Delta-BHC	1.61	Spike	P	0 - 37
2412722	Deltamethrin	4.54	Spike	P	0 - 100
2412722	Dichlobenil	14.0	Spike	P	0 - 40
2412722	Dicofol	7.52	Spike	P	0 - 31
2412722	Dieldrin	0.175	Spike	P	0 - 27
2412722	Endosulfan I	0.0151	Spike	P	0 - 23
2412722	Endosulfan II	9.57	Spike	P	0 - 28
2412722	Endosulfan Sulfate	10.5	Spike	P	0 - 38
2412722	Endrin	2.69	Spike	P	0 - 63
2412722	Endrin Aldehyde	3.57	Spike	P	0 - 60
2412722	Endrin Ketone	16.8	Spike	P	0 - 37
2412722	Esfenvalerate	4.67	Spike	P	0 - 52
2412722	Ethalfluralin	5.52	Spike	P	0 - 23
2412722	Fenpropathrin	3.27	Spike	P	0 - 32
2412722	Gamma-BHC	5.19	Spike	P	0 - 17
2412722	Gamma-Chlordane	0.843	Spike	P	0 - 40
2412722	Heptachlor	1.82	Spike	P	0 - 29
2412722	Heptachlor Epoxide	0.796	Spike	P	0 - 25
2412722	Hexachlorobenzene	12.5	Spike	P	0 - 36
2412722	Kepone	1.65	Spike	P	0 - 93
2412722	Lambda-Cyhalothrin	0.473	Spike	P	0 - 55
2412722	Methoprene	3.43	Spike	P	0 - 53

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P430360

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2412722	Methoxychlor	11.2	Spike	P	0 - 29
2412722	MGK-264	7.83	Spike	P	0 - 35
2412722	Mirex	7.09	Spike	P	0 - 46
2412722	Oxychlordane	4.44	Spike	P	0 - 29
2412722	Permethrin	15.8	Spike	P	0 - 44
2412722	Phenothrin	14.1	Spike	P	0 - 56
2412722	Piperonyl Butoxide	14.6	Spike	P	0 - 100
2412722	Prallethrin	0.146	Spike	P	0 - 42
2412722	Tau-Fluvalinate	3.75	Spike	P	0 - 54
2412722	Tetramethrin	10.1	Spike	P	0 - 51
2412722	Trans-Nonachlor	4.53	Spike	P	0 - 37
2412722	Triclosan Methyl	0.922	Spike	P	0 - 31
2412722	Trifluralin	8.11	Spike	P	0 - 30

Reference Method: EPA 8270E
Batch ID: P430421

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411888	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	0.127	Spike	P	0 - 37
2411888	Acetochlor	18.5	Spike	P	0 - 28
2411888	Alachlor	4.47	Spike	P	0 - 30
2411888	Ametryn	12.7	Spike	P	0 - 32
2411888	Atrazine	8.02	Spike	P	0 - 41
2411888	Atrazine Desethyl	3.43	Spike	P	0 - 36
2411888	Avobenzone	1.86	Spike	P	0 - 36
2411888	Azinphos Methyl	22.6	Spike	P	0 - 75
2411888	Azoxystrobin	18.8	Spike	P	0 - 39
2411888	Bromacil	10.6	Spike	P	0 - 33
2411888	Butylate	5.74	Spike	P	0 - 44
2411888	Caffeine	100	Spike	F	0 - 74
2411888	Carbophenothion	13.5	Spike	P	0 - 25
2411888	Carfentrazone Ethyl	17.1	Spike	P	0 - 27
2411888	Chlorfenapyr	10.2	Spike	P	0 - 24
2411888	Chlorpyrifos Ethyl	6.81	Spike	P	0 - 26
2411888	Chlorpyrifos Methyl	11.4	Spike	P	0 - 26
2411888	Coumaphos	6.66	Spike	P	0 - 28
2411888	Cyanazine	28.7	Spike	P	0 - 48
2411888	Cyprodinil	16.1	Spike	P	0 - 29
2411888	Dechlorane 602	3.13	Spike	P	0 - 30
2411888	Dechlorane 603	0.733	Spike	P	0 - 30
2411888	Dechlorane Plus	7.07	Spike	P	0 - 30
2411888	Demeton	12.2	Spike	P	0 - 33
2411888	Diazinon	3.01	Spike	P	0 - 29
2411888	Difenoconazole	15.7	Spike	P	0 - 34
2411888	Dimethenamid	12.6	Spike	P	0 - 39
2411888	Dimethomorph	36.4	Spike	P	0 - 51
2411888	Disulfoton	17.7	Spike	P	0 - 30
2411888	Dithiopyr	12.1	Spike	P	0 - 26
2411888	EPTC	10.7	Spike	P	0 - 43
2411888	Ethion	6.07	Spike	P	0 - 79

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P430421

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411888	Ethoprop	14.5	Spike	P	0 - 29
2411888	Etridiazole	4.66	Spike	P	0 - 33
2411888	Fenamiphos	15.6	Spike	P	0 - 40
2411888	Fenbuconazole	14.4	Spike	P	0 - 74
2411888	Fipronil	13.9	Spike	P	0 - 29
2411888	Fipronil Desulfinyl	10.5	Spike	P	0 - 32
2411888	Fipronil Sulfide	21.9	Spike	P	0 - 30
2411888	Fipronil Sulfone	6.72	Spike	P	0 - 33
2411888	Fluazifop-P-butyl	12.7	Spike	P	0 - 38
2411888	Fludioxonil	20.8	Spike	P	0 - 29
2411888	Flumioxazin	22.8	Spike	P	0 - 51
2411888	Flutolanil	12.5	Spike	P	0 - 25
2411888	Fluxapyroxad	13.4	Spike	P	0 - 45
2411888	Fonofos	8.46	Spike	P	0 - 27
2411888	Hexabromobenzene	0.385	Spike	P	0 - 30
2411888	Hexazinone	10.8	Spike	P	0 - 30
2411888	Imazalil	18.2	Spike	P	0 - 100
2411888	Iprodione	10.5	Spike	P	0 - 33
2411888	Loratadine	20.5	Spike	P	0 - 56
2411888	Malathion	12.0	Spike	P	0 - 37
2411888	Metalaxyl	8.29	Spike	P	0 - 40
2411888	Metolachlor	11.0	Spike	P	0 - 29
2411888	Metribuzin	12.6	Spike	P	0 - 45
2411888	Mevinphos	10.8	Spike	P	0 - 29
2411888	Molinate	3.32	Spike	P	0 - 33
2411888	Myclobutanil	18.0	Spike	P	0 - 26
2411888	Naled	1.44	Spike	P	0 - 37
2411888	Napropamide	15.1	Spike	P	0 - 44
2411888	Norflurazon	6.48	Spike	P	0 - 30
2411888	Octinoxate	1.44	Spike	P	0 - 45
2411888	Oxadiazon	8.42	Spike	P	0 - 28
2411888	Oxybenzone	1.81	Spike	P	0 - 46
2411888	Oxyfluorfen	23.7	Spike	P	0 - 28
2411888	Parathion Ethyl	13.3	Spike	P	0 - 31
2411888	Parathion Methyl	1.86	Spike	P	0 - 29
2411888	PBB-153	0.649	Spike	P	0 - 30
2411888	PBDE-47	6.25	Spike	P	0 - 36
2411888	PBDE-99	3.75	Spike	P	0 - 40
2411888	Pendimethalin	16.8	Spike	P	0 - 33
2411888	Pentabromotoluene	0.677	Spike	P	0 - 30
2411888	Phenytoin	1.98	Spike	P	0 - 100
2411888	Phorate	9.03	Spike	P	0 - 36
2411888	Prodiamine	9.80	Spike	P	0 - 71
2411888	Prometon	9.84	Spike	P	0 - 36
2411888	Prometryn	11.8	Spike	P	0 - 28
2411888	Pronamide	12.7	Spike	P	0 - 24
2411888	Propanil	12.7	Spike	P	0 - 28
2411888	Propargite	2.35	Spike	P	0 - 43
2411888	Propiconazole	14.9	Spike	P	0 - 33
2411888	Pyraflufen Ethyl	6.23	Spike	P	0 - 29
2411888	Pyridaben	12.7	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P430421

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411888	Pyriproxyfen	14.3	Spike	P	0 - 79
2411888	Simazine	9.92	Spike	P	0 - 29
2411888	Stirophos	2.87	Spike	P	0 - 61
2411888	Sulfentrazone	7.24	Spike	P	0 - 33
2411888	Tebuconazole	3.05	Spike	P	0 - 69
2411888	Terbufos	8.19	Spike	P	0 - 29
2411888	Terbuthylazine	8.41	Spike	P	0 - 32
2411888	Tetradecachloro-m-terphenyl	8.67	Spike	P	0 - 30
2411888	Thiobencarb	14.6	Spike	P	0 - 26
2411888	Tri-o-cresyl Phosphate	2.56	Spike	P	0 - 33
2411888	Triadimefon	12.7	Spike	P	0 - 28
2411888	Tris(1-chloro-2-propyl) phosphate (TCPP)	7.01	Spike	P	0 - 30
2411888	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.41	Spike	P	0 - 30
2411888	Tris(2-chloroethyl) phosphate (TCEP)	3.75	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P430360

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2412203	Chlordane	5.87	Spike	P	0 - 25
2412203	Toxaphene	4.32	Spike	P	0 - 26

Reference Method: EPA 8321B
Batch ID: P430190

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411694	Acesulfame K	0.681	Spike	P	0 - 30
2411694	AMPA	0.788	Spike	P	0 - 30
2411694	Endothall	2.18	Spike	P	0 - 30
2411694	Glufosinate	8.27	Spike	P	0 - 30
2411694	Glyphosate	3.86	Spike	P	0 - 30
2411694	Sucralose	4.39	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P430297

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411341	2,4-D	10.8	Spike	P	0 - 30
2411341	2,4,5-T	2.57	Spike	P	0 - 30
2411341	Acetaminophen	11.9	Spike	P	0 - 30
2411341	Acetamiprid	10.1	Spike	P	0 - 30
2411341	Afidopyropen	17.7	Spike	P	0 - 30
2411341	Bentazon	11.0	Spike	P	0 - 30
2411341	Benzovindiflupyr	3.36	Spike	P	0 - 30
2411341	Carbamazepine	7.69	Spike	P	0 - 30
2411341	Clothianidin	2.01	Spike	P	0 - 30
2411341	Dinotefuran	6.78	Spike	P	0 - 30
2411341	Diuron	2.09	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P430297

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411341	Fenuron	10.8	Spike	P	0 - 30
2411341	Fluridone	7.22	Spike	P	0 - 30
2411341	Hydrocodone	8.82	Spike	P	0 - 30
2411341	Ibuprofen	1.92	Spike	P	0 - 30
2411341	Imazapyr	11.7	Spike	P	0 - 30
2411341	Imidacloprid	5.88	Spike	P	0 - 30
2411341	Linuron	0.788	Spike	P	0 - 30
2411341	Mandestrobin	1.26	Spike	P	0 - 30
2411341	MCPP	0.925	Spike	P	0 - 30
2411341	Naproxen	1.16	Spike	P	0 - 30
2411341	Primidone	9.09	Spike	P	0 - 30
2411341	Pyraclostrobin	6.64	Spike	P	0 - 30
2411341	Silvex	7.31	Spike	P	0 - 30
2411341	Thiamethoxam	6.13	Spike	P	0 - 30
2411341	Tolfenpyrad	6.71	Spike	P	0 - 30
2411341	Triclopyr	5.66	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P430382

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2412366	3-Hydroxycarbofuran	20.2	Spike	P	0 - 30
2412366	Aldicarb	4.07	Spike	P	0 - 30
2412366	Aldicarb Sulfone	3.74	Spike	P	0 - 30
2412366	Aldicarb Sulfoxide	2.43	Spike	P	0 - 30
2412366	Carbaryl	8.52	Spike	P	0 - 30
2412366	Carbofuran	0.746	Spike	P	0 - 30
2412366	Methiocarb	8.72	Spike	P	0 - 30
2412366	Methomyl	6.19	Spike	P	0 - 30
2412366	Oxamyl	2.61	Spike	P	0 - 30
2412366	Propoxur	6.41	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P430510

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411831	Total Alkalinity	2.68	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P430790

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411828	TDS	4.65	Sample	P	0 - 10

Quality Assurance Report
Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P430528

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411831	Fluoride	0.959	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2011
Batch ID: P430447

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2411835	Organic Carbon	2.39	Spike	P	0 - 20

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2411855
Field Sample ID: G5SE0091

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	82.8	P	30 - 160

Lab Sample ID: 2411856
Field Sample ID: G5SE0091

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	97.3	P	30 - 160
EPA 8321B	Acetaminophen-d4	96.9	P	30 - 160
EPA 8321B	Carbamazepine-d10	87.1	P	30 - 160
EPA 8321B	Diuron-d6	81.7	P	30 - 160
EPA 8321B	Endothall-d6	123	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	90.1	P	30 - 160
EPA 8321B	Ibuprofen-d3	69.2	P	30 - 160
EPA 8321B	Primidone-d5	91.0	P	30 - 160
EPA 8321B	Sucralose-d6	119	P	30 - 160

Lab Sample ID: 2411857
Field Sample ID: FB_05222023

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	109	P	30 - 160
EPA 8321B	Acetaminophen-d4	80.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	102	P	30 - 160
EPA 8321B	Diuron-d6	91.4	P	30 - 160
EPA 8321B	Endothall-d6	133	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	113	P	30 - 160
EPA 8321B	Ibuprofen-d3	65.3	P	30 - 160
EPA 8321B	Primidone-d5	91.5	P	30 - 160
EPA 8321B	Sucralose-d6	108	P	30 - 160

Lab Sample ID: 2411858
Field Sample ID: G5SE0091

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	62.2	P	29 - 130
EPA 8270E	Decachlorobiphenyl	73.4	P	30 - 118
EPA 8270E	Tetrachloro-m-xylene	71.2	P	29 - 104
EPA 8270E	Tetrachloro-m-xylene	44.5	P	30 - 97.0
EPA 8276	Decachlorobiphenyl	59.7	P	30 - 101
EPA 8276	PCNB	91.0	P	48 - 121

Lab Sample ID: 2411859
Field Sample ID: G5SE0091

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	80.8	P	20 - 200
EPA 8270E	Simazine-d10	90.8	P	62 - 142
EPA 8270E	Terbufos-d10	75.4	P	58 - 132
EPA 8270E	Terphenyl-d14	71.8	P	52 - 137

Quality Assurance Report
Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A119351
Included Lab Sample IDs: 2411836, 2411838, 2411840

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	99.2	99.4	P/P	90 - 110
Sulfate	97.3	97.3	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A119352
Included Lab Sample IDs: 2411836, 2411838, 2411840

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

Reference Method: DEP SOP: NU-094-1
Run ID: A119368
Included Lab Sample IDs: 2411836, 2411838, 2411840

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	99.3	P/P	90 - 110
Color (true)	99.8	99.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A119406
Included Lab Sample IDs: 2411837, 2411839

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

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A119424
Included Lab Sample IDs: 2411873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	98.5	100	P/P	90 - 110
Antimony	98.1	98.9	P/P	90 - 110
Arsenic	97.8	97.5	P/P	90 - 110
Barium	97.1	98.8	P/P	90 - 110
Beryllium	97.1	96.7	P/P	90 - 110
Boron	101	104	P/P	90 - 110
Cadmium	97.9	99.0	P/P	90 - 110
Chromium	96.2	96.6	P/P	90 - 110
Cobalt	98.2	98.4	P/P	90 - 110
Copper	94.7	95.3	P/P	90 - 110
Lead	98.4	99.8	P/P	90 - 110
Manganese	99.0	100	P/P	90 - 110
Molybdenum	96.8	96.6	P/P	90 - 110
Nickel	96.4	96.6	P/P	90 - 110
Selenium	99.5	99.5	P/P	90 - 110
Silver	98.9	99.4	P/P	90 - 110
Thallium	99.3	101	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: SM 5310 B-2011
Run ID: A119426
Included Lab Sample IDs: 2411837, 2411839, 2411841

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.8	97.3	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A119430
Included Lab Sample IDs: 2411837, 2411839, 2411841

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	93.5	95.0	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A119434
Included Lab Sample IDs: 2411841

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	100	99.5	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A119438
Included Lab Sample IDs: 2411856, 2411857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	102	99.7	P/P	50 - 150
2,4-D	99.7	97.8	P/P	50 - 150
2,4,5-T	106	94.0	P/P	50 - 150
2,4,5-T	94.0	94.3	P/P	50 - 150
Acetaminophen	86.9	84.9	P/P	60 - 160
Acetaminophen	88.0	86.9	P/P	60 - 160
Acetamiprid	112	111	P/P	50 - 150
Acetamiprid	113	112	P/P	50 - 150
Afidopyropen	83.1	86.4	P/P	50 - 150
Afidopyropen	86.4	79.2	P/P	50 - 150
Bentazon	126	125	P/P	50 - 160
Bentazon	94.8	126	P/P	50 - 160
Benzovindiflupyr	102	104	P/P	50 - 150
Benzovindiflupyr	104	106	P/P	50 - 150
Carbamazepine	107	109	P/P	60 - 150
Carbamazepine	110	107	P/P	60 - 150
Clothianidin	106	108	P/P	60 - 150
Clothianidin	108	108	P/P	60 - 150
Dinotefuran	110	111	P/P	50 - 150
Dinotefuran	111	113	P/P	50 - 150
Diuron	102	109	P/P	60 - 160
Diuron	102	102	P/P	60 - 160
Fenuron	110	111	P/P	60 - 150
Fenuron	111	112	P/P	60 - 150
Fluridone	118	120	P/P	60 - 160
Fluridone	120	123	P/P	60 - 160
Hydrocodone	109	110	P/P	60 - 150
Hydrocodone	117	109	P/P	60 - 150
Ibuprofen	130	98.6	P/P	50 - 160
Ibuprofen	98.6	88.2	P/P	50 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A119438
Included Lab Sample IDs: 2411856, 2411857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Imazapyr	114	117	P/P	50 - 150
Imazapyr	117	123	P/P	50 - 150
Imidacloprid	104	104	P/P	60 - 150
Imidacloprid	104	101	P/P	60 - 150
Linuron	108	121	P/P	60 - 150
Linuron	121	97.0	P/P	60 - 150
Mandestrobin	105	107	P/P	50 - 150
Mandestrobin	107	106	P/P	50 - 150
MCPP	109	110	P/P	50 - 150
MCPP	110	112	P/P	50 - 150
Naproxen	113	101	P/P	50 - 160
Naproxen	78.4	113	P/P	50 - 160
Primidone	103	106	P/P	60 - 150
Primidone	106	97.9	P/P	60 - 150
Pyraclostrobin	110	104	P/P	60 - 150
Pyraclostrobin	114	110	P/P	60 - 150
Silvex	82.2	90.9	P/P	50 - 150
Silvex	90.9	83.2	P/P	50 - 150
Thiamethoxam	116	118	P/P	50 - 150
Thiamethoxam	118	116	P/P	50 - 150
Tolfenpyrad	105	104	P/P	60 - 150
Tolfenpyrad	112	105	P/P	60 - 150
Triclopyr	84.1	87.1	P/P	50 - 150
Triclopyr	87.1	76.9	P/P	50 - 150

Reference Method: EPA 8321B
Run ID: A119443
Included Lab Sample IDs: 2411856, 2411857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	105	99.2	P/P	60 - 160
Endothall	156	148	P/P	60 - 160
Glufosinate	96.3	91.3	P/P	60 - 160
Glyphosate	104	87.2	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A119444
Included Lab Sample IDs: 2411856, 2411857

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	145	145	P/P	60 - 160
Acesulfame K	147	146	P/P	60 - 160
Sucralose	108	100	P/P	60 - 160
Sucralose	99.8	111	P/P	60 - 160

Reference Method: SM 2320 B-2011
Run ID: A119457
Included Lab Sample IDs: 2411836, 2411838, 2411840

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.2	92.4	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: SM 4500-F- C-2011
Run ID: A119457
Included Lab Sample IDs: 2411836, 2411838, 2411840

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A119511
Included Lab Sample IDs: 2411837, 2411839, 2411841

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.4	99.1	P/P	90 - 110
Ammonia-N	99.2	99.1	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A119529
Included Lab Sample IDs: 2411873

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Calcium	101	102	P/P	90 - 110
Iron	102	102	P/P	90 - 110
Magnesium	101	101	P/P	90 - 110
Potassium	100	100	P/P	90 - 110
Sodium	93.6	93.8	P/P	90 - 110
Strontium	98.8	102	P/P	90 - 110
Tin	98.7	101	P/P	90 - 110
Titanium	100	101	P/P	90 - 110
Vanadium	101	99.9	P/P	90 - 110
Zinc	99.8	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A119541
Included Lab Sample IDs: 2411837, 2411839, 2411841

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

Reference Method: EPA 8270E
Run ID: A119545
Included Lab Sample IDs: 2411858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	99.2		P	80 - 120
Alpha-BHC	105		P	80 - 120
Alpha-Chlordane	104		P	80 - 120
Beta-BHC	106		P	80 - 120
Beta-Cyfluthrin	99.7		P	80 - 120
Bifenthrin	109		P	80 - 120
Chlorothalonil	85.6		P	80 - 120
Cis-Nonachlor	108		P	80 - 120
Cypermethrin	108		P	80 - 120
Dacthal	95.6		P	80 - 120
DDD-p,p'	107		P	80 - 120
DDE-p,p'	102		P	80 - 120
DDT-p,p'	100		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A119545
Included Lab Sample IDs: 2411858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Delta-BHC	108		P	80 - 120
Deltamethrin	93.6		P	80 - 120
Dichlobenil	113		P	80 - 120
Dicofol	91.9		P	80 - 120
Dieldrin	93.4		P	80 - 120
Endosulfan I	108		P	80 - 120
Endosulfan II	101		P	80 - 120
Endosulfan Sulfate	93.8		P	80 - 120
Endrin	103		P	80 - 120
Endrin Aldehyde	87.0		P	80 - 120
Endrin Ketone	103		P	80 - 120
Esfenvalerate	104		P	80 - 120
Ethalfluralin	96.9		P	80 - 120
Fenpropathrin	103		P	80 - 120
Gamma-BHC	105		P	80 - 120
Gamma-Chlordane	101		P	80 - 120
Heptachlor	103		P	80 - 120
Heptachlor Epoxide	99.2		P	80 - 120
Hexachlorobenzene	103		P	80 - 120
Kepone	90.5		P	80 - 120
Lambda-Cyhalothrin	108		P	80 - 120
Methoprene	113		P	80 - 120
Methoxychlor	101		P	80 - 120
MGK-264	113		P	80 - 120
Mirex	106		P	80 - 120
Oxychlordane	111		P	80 - 120
Permethrin	106		P	80 - 120
Phenothrin	107		P	80 - 120
Piperonyl Butoxide	106		P	80 - 120
Prallethrin	112		P	80 - 120
Tau-Fluvalinate	96.2		P	80 - 120
Tetramethrin	100		P	80 - 120
Trans-Nonachlor	109		P	80 - 120
Triclosan Methyl	101		P	80 - 120
Trifluralin	99.9		P	80 - 120

Reference Method: EPA 8276
Run ID: A119580
Included Lab Sample IDs: 2411858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	104		P	80 - 120
Toxaphene	104		P	80 - 120

Reference Method: EPA 8270E
Run ID: A119585
Included Lab Sample IDs: 2411858

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	96.6		P	80 - 120
PCB-1260	103		P	80 - 120

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Reference Method: EPA 8321B
Run ID: A119586
Included Lab Sample IDs: 2411855

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	106	104	P/P	60 - 150
Aldicarb	107	95.9	P/P	60 - 150
Aldicarb Sulfone	112	111	P/P	50 - 150
Aldicarb Sulfoxide	111	110	P/P	50 - 150
Carbaryl	119	114	P/P	60 - 150
Carbofuran	101	102	P/P	50 - 150
Methiocarb	101	111	P/P	50 - 150
Methomyl	99.1	97.1	P/P	50 - 150
Oxamyl	107	105	P/P	50 - 150
Propoxur	102	102	P/P	50 - 150

Reference Method: EPA 8270E
Run ID: A119597
Included Lab Sample IDs: 2411859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	99.3		P	80 - 120
Avobenzone	95.2		P	80 - 120
Dechlorane 602	102		P	80 - 120
Dechlorane 603	109		P	80 - 120
Dechlorane Plus	100		P	80 - 120
Hexabromobenzene	98.9		P	80 - 120
Octinoxate	95.4		P	80 - 120
Oxybenzone	94.9		P	80 - 120
PBB-153	101		P	80 - 120
PBDE-47	97.0		P	80 - 120
PBDE-99	101		P	80 - 120
Pentabromotoluene	98.9		P	80 - 120
Tetradecachloro-m-terphenyl	93.8		P	80 - 120
Tri-o-cresyl Phosphate	101		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	86.3		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	97.9		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	94.4		P	80 - 120

Reference Method: EPA 8270E
Run ID: A119646
Included Lab Sample IDs: 2411859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	91.7		P	80 - 120
Alachlor	90.5		P	80 - 120
Ametryn	105		P	80 - 120
Atrazine Desethyl	108		P	80 - 120
Azinphos Methyl	80.3		P	80 - 120
Azoxystrobin	94.4		P	80 - 120
Bromacil	101		P	80 - 120
Butylate	98.2		P	80 - 120
Caffeine	95.1		P	80 - 120
Carbophenothion	99.0		P	80 - 120
Carfentrazone Ethyl	101		P	80 - 120
Chlorfenapyr	82.9		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A119646
Included Lab Sample IDs: 2411859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlorpyrifos Ethyl	89.4		P	80 - 120
Chlorpyrifos Methyl	101		P	80 - 120
Coumaphos	95.4		P	80 - 120
Cyanazine	108		P	80 - 120
Cyprodinil	87.5		P	80 - 120
Demeton	101		P	80 - 120
Diazinon	103		P	80 - 120
Difenoconazole	94.9		P	80 - 120
Dimethenamid	105		P	80 - 120
Dimethomorph	87.6		P	80 - 120
Disulfoton	102		P	80 - 120
Dithiopyr	107		P	80 - 120
EPTC	99.7		P	80 - 120
Ethion	87.9		P	80 - 120
Ethoprop	99.8		P	80 - 120
Etridiazole	101		P	80 - 120
Fenamiphos	92.3		P	80 - 120
Fenbuconazole	87.6		P	80 - 120
Fipronil	87.5		P	80 - 120
Fipronil Desulfinyl	105		P	80 - 120
Fipronil Sulfide	100		P	80 - 120
Fipronil Sulfone	105		P	80 - 120
Fluazifop-P-butyl	105		P	80 - 120
Fludioxonil	102		P	80 - 120
Flumioxazin	94.7		P	80 - 120
Flutolanil	103		P	80 - 120
Fluxapyroxad	102		P	80 - 120
Fonofos	106		P	80 - 120
Hexazinone	101		P	80 - 120
Imazalil	96.3		P	80 - 120
Iprodione	86.6		P	80 - 120
Loratadine	95.7		P	80 - 120
Malathion	86.3		P	80 - 120
Metalaxyl	86.0		P	80 - 120
Metolachlor	99.3		P	80 - 120
Metribuzin	109		P	80 - 120
Mevinphos	87.1		P	80 - 120
Molinate	87.2		P	80 - 120
Myclobutanil	97.4		P	80 - 120
Naled	94.9		P	80 - 120
Napropamide	105		P	80 - 120
Norflurazon	107		P	80 - 120
Oxadiazon	111		P	80 - 120
Oxyfluorfen	96.8		P	80 - 120
Parathion Ethyl	102		P	80 - 120
Parathion Methyl	90.7		P	80 - 120
Pendimethalin	97.8		P	80 - 120
Phenytoin	99.9		P	80 - 120
Phorate	108		P	80 - 120
Prodiamine	98.3		P	80 - 120
Prometon	96.1		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A119646
Included Lab Sample IDs: 2411859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Prometryn	103		P	80 - 120
Pronamide	104		P	80 - 120
Propanil	94.5		P	80 - 120
Propargite	99.1		P	80 - 120
Propiconazole	88.3		P	80 - 120
Pyraflufen Ethyl	105		P	80 - 120
Pyridaben	102		P	80 - 120
Pyriproxyfen	103		P	80 - 120
Simazine	98.6		P	80 - 120
Stirophos	86.2		P	80 - 120
Sulfentrazone	101		P	80 - 120
Tebuconazole	102		P	80 - 120
Terbufos	104		P	80 - 120
Terbuthylazine	88.9		P	80 - 120
Thiobencarb	107		P	80 - 120
Triadimefon	106		P	80 - 120

Reference Method: EPA 8270E
Run ID: A119657
Included Lab Sample IDs: 2411859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	89.1		P	80 - 120

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery			Precision		
						LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	98.8					2.19	
	Color (true)	98.3					1.98	
EPA 180.1 Rev. 2.0	Turbidity	99.5					1.75	
EPA 200.7 Rev. 4.4	Calcium	100	99.4	102				1.05
	Iron	102	103	102	105			0.915
	Magnesium	102	99.4	102				1.14
	Potassium	102	101	101	103			0.110
	Sodium	94.7	94.3	95.2				0.584
	Strontium	99.6	99.2	98.7	101			0.464
	Tin	103	99.8	98.3	106			1.49
	Titanium	101	101	101	104			0.0977
	Vanadium	100	101	100	104			0.510
	Zinc	100	98.6	98.0	102			0.642
EPA 200.8 Rev. 5.4	Aluminum	97.7	99.9	97.4	101			2.52
	Antimony	97.5	99.9	101	100			0.950
	Arsenic	97.8	98.3	98.4	98.7			0.0250
	Barium	99.6	99.4	101	101			1.51
	Beryllium	94.4	100	96.8	96.0			3.17
	Boron	101	105	106	107			0.174
	Cadmium	97.0	99.1	101	99.5			2.28
	Chromium	94.6	94.7	93.8	96.6			0.883
	Cobalt	97.2	96.4	95.5	98.1			0.898
	Copper	96.3	92.0	91.4	96.2			0.610
	Lead	98.6	100	100	102			0.106
	Manganese	97.1	96.8	96.4	98.1			0.360
	Molybdenum	95.2	98.0	99.4	98.1			1.23
	Nickel	95.0	94.2	92.9	95.7			1.37
	Selenium	97.9	99.0	98.4	98.4			0.568
	Silver	99.0	102	100	100			2.26
	Thallium	96.0	99.7	100	100			0.654
EPA 300.0 Rev. 2.1	Chloride	99.0	96.4	97.3			0.741	
	Sulfate	97.4	96.3	96.6			1.29	
EPA 350.1 Rev. 2.0	Ammonia-N	97.4	97.8	98.6				0.697
	Ammonia-N	95.2	96.4	97.6				1.15
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	96.8	96.6	104				4.50
EPA 353.2 Rev. 2.0	NO2NO3-N	103	104	103				0.484
EPA 365.1 Rev. 2.0	Total-P	101						0.436
	Total-P	102	100	101				0.658
EPA 8270E	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	131	134	134				0.127
	Acetochlor	77.3	84.1	69.9				18.5
	Alachlor	86.5	82.5	78.9				4.47
	Aldrin	46.2	45.7	45.3				0.790
	Alpha-BHC	76.6	86.3	81.5				5.79
	Alpha-Chlordane	69.8	71.1	81.9				14.1
	Ametryn	106	116	102				12.7
	Atrazine	89.8						8.02
	Atrazine Desethyl	91.8	76.6	73.3				3.43
	Avobenzone	193	176	173				1.86
	Azinphos Methyl	130	119	94.8				22.6
	Azoxystrobin	106	101	84.0				18.8
	Beta-BHC	75.7	82.6	84.7				2.57
	Beta-Cyfluthrin	69.2	74.0	78.5				5.91

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Bifenthrin	45.8	49.6	41.0			19.0
	Bromacil	92.5	87.9	76.7			10.6
	Butylate	73.1	51.1	54.1			5.74
	Caffeine	101					100
	Carbophenothion	113	114	99.9			13.5
	Carfentrazone Ethyl	113	115	97.1			17.1
	Chlorfenapyr	78.7	77.1	69.6			10.2
	Chlorothalonil	76.3	100	100			0.222
	Chlorpyrifos Ethyl	86.1	76.8	71.7			6.81
	Chlorpyrifos Methyl	93.2	97.8	87.3			11.4
	Cis-Nonachlor	75.2	74.3	73.6			0.960
	Coumaphos	130	71.4	76.3			6.66
	Cyanazine	123	115	86.0			28.7
	Cypermethrin	74.4	81.2	80.0			1.60
	Cyprodinil	82.6	85.1	72.4			16.1
	Dacthal	77.2	82.7	86.4			4.46
	DDD-p,p'	68.6	72.6	75.5			3.97
	DDE-p,p'	65.6	71.5	74.3			3.93
	DDT-p,p'	62.1	68.2	61.3			10.7
	Dechlorane 602	115	114	117			3.13
	Dechlorane 603	144	133	134			0.733
	Dechlorane Plus	117	96.4	89.8			7.07
	Delta-BHC	87.7	97.0	98.6			1.61
	Deltamethrin	75.2	92.6	88.5			4.54
	Demeton	66.4	64.2	56.8			12.2
	Diazinon	105	107	103			3.01
	Dichlobenil	62.8	44.1	38.4			14.0
	Dicofol	62.4	70.9	65.8			7.52
	Dieldrin	73.1	79.6	79.9			0.175
	Difenoconazole	113	129	110			15.7
	Dimethenamid	103	109	95.8			12.6
	Dimethomorph	99.1	99.8	69.1			36.4
	Disulfoton	95.8	101	84.3			17.7
	Dithiopyr	98.1	102	90.2			12.1
	Endosulfan I	73.8	80.3	80.3			0.0151
	Endosulfan II	77.3	79.0	86.9			9.57
	Endosulfan Sulfate	77.7	73.3	81.4			10.5
	Endrin	68.4	74.3	72.4			2.69
	Endrin Aldehyde	80.0	90.4	93.6			3.57
	Endrin Ketone	80.5	78.1	92.4			16.8
	EPTC	71.1	50.1	55.8			10.7
	Esfenvalerate	67.1	76.4	72.9			4.67
	Ethalfluralin	70.2	70.9	67.1			5.52
	Ethion	91.6	97.8	92.1			6.07
	Ethoprop	90.8	89.9	77.8			14.5
	Etridiazole	74.2	62.3	59.5			4.66
	Fenamiphos	83.9	85.6	73.2			15.6
	Fenbuconazole	83.8	86.7	75.0			14.4
	Fenpropathrin	72.0	77.9	75.4			3.27
	Fipronil	88.3	95.3	82.8			13.9
	Fipronil Desulfinyl	97.8	105	93.3			10.5
	Fipronil Sulfide	97.5	108	87.0			21.9
	Fipronil Sulfone	95.5	102	94.9			6.72
	Fluazifop-P-butyl	71.3	69.3	61.1			12.7

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Fludioxonil	92.6	71.5	88.1			20.8
	Flumioxazin	110	121	152			22.8
	Flutolanil	87.2	73.1	82.9			12.5
	Fluxapyroxad	99.0	94.2	108			13.4
	Fonofos	105	96.8	105			8.46
	Gamma-BHC	84.6	122	116			5.19
	Gamma-Chlordane	62.9	70.5	71.1			0.843
	Heptachlor	56.5	59.9	58.8			1.82
	Heptachlor Epoxide	71.2	71.5	70.4			0.796
	Hexabromobenzene	132	134	133			0.385
	Hexachlorobenzene	57.0	49.1	43.3			12.5
	Hexazinone	95.7	86.8	96.7			10.8
	Imazalil	60.2	60.0	72.0			18.2
	Iprodione	84.8	82.2	91.3			10.5
	Kepone	136	138	140			1.65
	Lambda-Cyhalothrin	60.9	67.1	66.8			0.473
	Loratadine	143	125	153			20.5
	Malathion	98.4	89.5	101			12.0
	Metalaxyl	76.3	80.6	87.5			8.29
	Methoprene	55.4	58.6	56.6			3.43
	Methoxychlor	70.7	79.7	71.2			11.2
	Metolachlor	104	90.3	101			11.0
	Metribuzin	84.5	81.1	92.0			12.6
	Mevinphos	90.6	71.7	79.9			10.8
	MGK-264	75.9	78.3	84.7			7.83
	Mirex	54.0	63.2	58.9			7.09
	Molinate	67.9	54.0	52.2			3.32
	Myclobutanil	100	81.9	98.1			18.0
	Naled	25.2	22.8	22.5			1.44
	Napropamide	78.5	73.8	85.8			15.1
	Norflurazon	97.2	94.0	100			6.48
	Octinoxate	121	118	116			1.44
	Oxadiazon	91.8	74.5	91.1			8.42
	Oxybenzone	120	122	120			1.81
	Oxychlordane	64.1	74.6	71.3			4.44
	Oxyfluorfen	105	81.7	104			23.7
	Parathion Ethyl	96.1	86.9	99.4			13.3
	Parathion Methyl	109	99.6	101			1.86
	PBB-153	153	151	150			0.649
	PBDE-47	120	125	117			6.25
	PBDE-99	122	127	122			3.75
	PCB-1016	69.0	71.9	66.9			7.17
	PCB-1260	88.1	78.2	66.0			16.9
	Pendimethalin	124	117	138			16.8
	Pentabromotoluene	116	116	115			0.677
	Permethrin	59.6	69.1	59.0			15.8
	Phenothrin	46.1	60.1	52.2			14.1
	Phenytoin	64.4	78.0	76.5			1.98
	Phorate	96.8	83.2	91.1			9.03
	Piperonyl Butoxide	76.1	80.3	69.4			14.6
	Prallethrin	70.0	71.5	71.4			0.146
	Prodiamine	52.5	56.4	62.2			9.80
	Prometon	76.5	58.5	53.0			9.84
	Prometryn	118	107	121			11.8

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Pronamide	110	105	119			12.7
	Propanil	107	92.8	105			12.7
	Propargite	94.9	95.4	97.7			2.35
	Propiconazole	80.5	73.6	85.5			14.9
	Pyraflufen Ethyl	72.5	58.9	62.6			6.23
	Pyridaben	100					12.7
	Pyriproxyfen	105	95.0	110			14.3
	Simazine	94.8	82.0	99.9			9.92
	Stirophos	84.6	86.7	89.2			2.87
	Sulfentrazone	99.9	86.3	92.8			7.24
	Tau-Fluvalinate	58.4	67.8	65.3			3.75
	Tebuconazole	73.2	84.9	87.6			3.05
	Terbufos	97.3	94.1	102			8.19
	Terbuthylazine	81.5	77.2	84.0			8.41
	Tetradecachloro-m-terphenyl	184	153	140			8.67
	Tetramethrin	77.3	83.9	75.8			10.1
	Thiobencarb	104	93.4	108			14.6
	Trans-Nonachlor	72.6	74.5	77.9			4.53
	Tri-o-cresyl Phosphate	123	117	114			2.56
	Triadimefon	93.2	80.7	91.7			12.7
	Triclosan Methyl	73.1	78.4	79.1			0.922
	Trifluralin	64.7	74.8	68.9			8.11
	Tris(1-chloro-2-propyl) phosphate (TCPP)	98.6	82.6	76.3			7.01
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	112	112	109			2.41
	Tris(2-chloroethyl) phosphate (TCEP)	121	118	114			3.75
EPA 8276	Chlordane	95.2	84.9	80.0			5.87
	Toxaphene	99.6	100	95.8			4.32
EPA 8321B	2,4-D	94.2	100	89.0			10.8
	2,4,5-T	86.6	102	99.0			2.57
	3-Hydroxycarbofuran	74.2	47.6	58.2			20.2
	Acesulfame K	116	102	101			0.681
	Acetaminophen	81.4	102	90.6			11.9
	Acetamiprid	87.3	80.5	72.8			10.1
	Afidopyropen	62.5	87.0	72.9			17.7
	Aldicarb	46.3	32.0	33.3			4.07
	Aldicarb Sulfone	90.7	79.6	76.7			3.74
	Aldicarb Sulfoxide	102	30.8	30.1			2.43
	AMPA	103	75.9	75.3			0.788
	Bentazon	107					11.0
	Benzovindiflupyr	86.4	90.1	87.0			3.36
	Carbamazepine	82.8	74.9	69.4			7.69
	Carbaryl	81.8	62.2	67.8			8.52
	Carbofuran	77.6	49.1	49.5			0.746
	Clothianidin	96.1	104	101			2.01
	Dinotefuran	93.3	82.5	77.1			6.78
	Diuron	75.7	72.3	70.7			2.09
	Endothall	146	146	149			2.18
	Fenuron	93.5	74.6	67.0			10.8
	Fluridone	91.2	92.5	83.1			7.22
	Glufosinate	104	60.2	65.4			8.27
	Glyphosate	101	66.9	64.4			3.86

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8321B	Hydrocodone	86.7	75.2	68.8			8.82
	Ibuprofen	92.5	82.8	84.4			1.92
	Imazapyr	96.8	98.7	87.8			11.7
	Imidacloprid	90.9					5.88
	Linuron	86.6	76.7	76.1			0.788
	Mandestrobin	78.9	86.0	84.9			1.26
	MCPP	97.5	96.8	97.7			0.925
	Methiocarb	73.3	78.0	71.5			8.72
	Methomyl	74.8	59.0	55.4			6.19
	Naproxen	78.1	80.6	79.7			1.16
	Oxamyl	88.6	70.6	68.8			2.61
	Primidone	84.4	102	93.4			9.09
	Propoxur	72.8	45.3	42.5			6.41
	Pyraclostrobin	82.1	94.9	88.8			6.64
	Silvex	96.6	87.6	81.4			7.31
	Sucralose	114	117	111			4.39
	Thiamethoxam	98.2	110	103			6.13
	Tolfenpyrad	66.4	65.3	61.1			6.71
	Triclopyr	80.4	94.0	88.8			5.66
SM 2320 B-2011	Total Alkalinity	97.3				2.68	
SM 2540 C-2015	TDS	106				4.65	
SM 2540 D-2015	TSS	90.7					
SM 4500-F- C-2011	Fluoride	103	100	98.5			0.959
SM 5310 B-2011	Organic Carbon	96.7	91.4	95.2			2.39

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2411836, 2411838, 2411840
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2411836, 2411838, 2411840
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2411873
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2411873
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2411836, 2411838, 2411840
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2411836, 2411838, 2411840
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2411837, 2411839, 2411841
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2411837, 2411839, 2411841
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2411837, 2411839, 2411841
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2411837, 2411839, 2411841
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2411859
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2411858
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2411859
EPA 8270E	PCBs in water matrices by GC/MS/MS	2411858
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2411858
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2411855
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2411856, 2411857
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2411836, 2411838, 2411840
SM 2340 B-2011	Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3	2411873
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2411836, 2411838, 2411840
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2411836, 2411838, 2411840
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2411836, 2411838, 2411840

Reference Method Descriptions

Method	Description	Associated Samples
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2411837, 2411839, 2411841

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	05/23/2023			05/23/2023 15:28	Anna M. Plaviak	2411836
	05/23/2023			05/23/2023 15:29	Anna M. Plaviak	2411840
	05/23/2023			05/23/2023 15:41	Anna M. Plaviak	2411838
EPA 180.1 Rev. 2.0	05/23/2023			05/23/2023 13:40	Alexis Price	2411836
	05/23/2023			05/23/2023 13:41	Alexis Price	2411838
	05/23/2023			05/23/2023 13:42	Alexis Price	2411840
EPA 200.7 Rev. 4.4	05/23/2023	05/24/2023 11:50	George D Taylor	06/01/2023 17:58	McKinley C Carter	2411873
EPA 200.8 Rev. 5.4	05/23/2023	05/24/2023 11:50	George D Taylor	05/25/2023 16:20	Conrad Hartmann	2411873
EPA 300.0 Rev. 2.1	05/23/2023			05/26/2023 12:09	James L Waggerby	2411836
	05/23/2023			05/26/2023 12:24	James L Waggerby	2411838
	05/23/2023			05/26/2023 12:39	James L Waggerby	2411840
EPA 350.1 Rev. 2.0	05/23/2023			05/31/2023 13:49	Khloe J Berg	2411839
	05/23/2023			05/31/2023 13:50	Khloe J Berg	2411841
	05/23/2023			05/31/2023 15:03	Khloe J Berg	2411837
EPA 351.2 Rev. 2.0	05/23/2023	05/25/2023 11:53	Dana G. Hughes	05/26/2023 09:52	Samantha L Bates	2411837
	05/23/2023	05/25/2023 11:53	Dana G. Hughes	05/26/2023 09:53	Samantha L Bates	2411839
	05/23/2023	05/25/2023 11:53	Dana G. Hughes	05/26/2023 09:55	Samantha L Bates	2411841
EPA 353.2 Rev. 2.0	05/23/2023			06/02/2023 10:35	Beverly Y. Sanders	2411837
	05/23/2023			06/02/2023 10:36	Beverly Y. Sanders	2411839
	05/23/2023			06/02/2023 10:37	Beverly Y. Sanders	2411841
EPA 365.1 Rev. 2.0	05/23/2023	05/24/2023 14:00	Alexis Price	05/25/2023 11:06	Simonne.V. Calhoun	2411837
	05/23/2023	05/24/2023 14:00	Alexis Price	05/25/2023 11:07	Simonne.V. Calhoun	2411839
	05/23/2023	05/24/2023 14:00	Alexis Price	05/26/2023 11:30	Chandler E Cox	2411841
EPA 8270E	05/23/2023	05/25/2023 08:30	Rasheda Ghaffari	06/01/2023 23:32	Arthur Maknenko	2411859
	05/23/2023	05/25/2023 08:30	Rasheda Ghaffari	06/02/2023 17:03	Vandana T. Nagar	2411859
	05/23/2023	05/25/2023 08:30	Rasheda Ghaffari	06/04/2023 21:22	Vandana T. Nagar	2411859
	05/23/2023	05/26/2023 08:00	Fe-Val Siddell	06/01/2023 01:59	Michael Poppell	2411858
	05/23/2023	05/26/2023 08:00	Fe-Val Siddell	06/02/2023 22:29	Michael Poppell	2411858
EPA 8276	05/23/2023	05/26/2023 08:00	Fe-Val Siddell	06/02/2023 09:54	Arthur Maknenko	2411858
EPA 8321B	05/23/2023	05/24/2023 12:00	Touraj Touran	05/24/2023 15:09	Touraj Touran	2411856
	05/23/2023	05/24/2023 12:00	Touraj Touran	05/24/2023 15:22	Touraj Touran	2411857
	05/23/2023	05/24/2023 12:00	Touraj Touran	05/25/2023 02:56	Touraj Touran	2411856
	05/23/2023	05/24/2023 12:00	Touraj Touran	05/25/2023 08:32	Touraj Touran	2411857
	05/23/2023	05/25/2023 09:00	Hoor Shaik	05/26/2023 14:47	Juyoung Kim	2411856
	05/23/2023	05/25/2023 09:00	Hoor Shaik	05/26/2023 17:17	Juyoung Kim	2411857
	05/23/2023	05/26/2023 09:00	Hoor Shaik	06/05/2023 16:30	Juyoung Kim	2411855
SM 2320 B-2011	05/23/2023			05/26/2023 22:36	Dale L. Simmons	2411836
	05/23/2023			05/26/2023 22:49	Dale L. Simmons	2411838
	05/23/2023			05/26/2023 22:58	Dale L. Simmons	2411840
SM 2340 B-2011	05/23/2023			06/01/2023 17:58	McKinley C Carter	2411873

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 2540 C-2015	05/23/2023			05/26/2023 16:01	Yijie Li	2411836, 2411838, 2411840
SM 2540 D-2015	05/23/2023			05/26/2023 16:01	Yijie Li	2411836, 2411838, 2411840
SM 4500-F- C-2011	05/23/2023			05/26/2023 22:36	Dale L. Simmons	2411836
	05/23/2023			05/26/2023 22:49	Dale L. Simmons	2411838
	05/23/2023			05/26/2023 22:58	Dale L. Simmons	2411840
SM 5310 B-2011	05/23/2023			05/25/2023 16:58	Elise M. Gillis	2411837
	05/23/2023			05/25/2023 17:12	Elise M. Gillis	2411839
	05/23/2023			05/25/2023 17:26	Elise M. Gillis	2411841