Chemical Analysis Report

SO-DIST-2024-03-14-01

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

Event Description: **2024 SMP: Venice**
Request ID: **RQ-2024-03-11-34**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 314
Fort Myers, FL 33901-3381
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Certified by: Marek Topolski, Environmental Administrator

Date Certified: 09-APR-2024 10:24

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: CURRY CREEK (TIDAL) AT ALBEE FARM RD **Collection Date/Time: 03/13/2024 09:00**

Field ID: G3SD0066 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475338	EPA 8321B	Aldicarb	0.020	U	ug/L	P442872	
		Aldicarb Sulfone	0.0020	U	ug/L	P442872	
		Aldicarb Sulfoxide	0.0020	UJ	ug/L	P442872	MS
		Carbaryl	0.0020	U	ug/L	P442872	
		Carbofuran	0.0020	U	ug/L	P442872	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P442872	
		Methiocarb	0.0020	U	ug/L	P442872	
		Methomyl	0.0020	U	ug/L	P442872	
		Oxamyl	0.0020	U	ug/L	P442872	
		Propoxur	0.0020	U	ug/L	P442872	
2475339		2,4-D	0.26		ug/L	P442750	
		Acesulfame K	0.10	U	ug/L	P442848	
		2,4,5-T	0.0040	U	ug/L	P442750	
		AMPA	0.10	U	ug/L	P442848	
		Acetaminophen	0.0080	U	ug/L	P442750	
		Acetamiprid	0.0020	U	ug/L	P442750	
		Endothall	0.25	U	ug/L	P442848	
		Glufosinate	0.10	U	ug/L	P442848	
		Glyphosate	0.27	I	ug/L	P442848	
		Afidopyropen	0.0020	U	ug/L	P442750	
		Bentazon	0.024		ug/L	P442750	
		Sucralose	0.70		ug/L	P442848	
		Benzovindiflupyr	0.0020	U	ug/L	P442750	
		Carbamazepine	0.0013	I	ug/L	P442750	
		Clothianidin	0.0020	U	ug/L	P442750	
		Dinotefuran	0.0052	I	ug/L	P442750	
		Diuron	0.0031	I	ug/L	P442750	
		Fenuron	0.032	U	ug/L	P442750	
		Fluridone	0.010		ug/L	P442750	
		Imazapyr	0.16		ug/L	P442750	
		Hydrocodone	0.0020	U	ug/L	P442750	
		Ibuprofen	0.080	U	ug/L	P442750	
		Imidacloprid	0.0075	I	ug/L	P442750	
		Linuron	0.0040	U	ug/L	P442750	
		Mandestrobin	0.0020	U	ug/L	P442750	
		MCPP	0.0022	I	ug/L	P442750	
		Naproxen	0.0080	U	ug/L	P442750	
		Primidone	0.0089	I	ug/L	P442750	
		Pyraclostrobin	0.0020	U	ug/L	P442750	
		Silvex	0.0040	U	ug/L	P442750	
		Thiamethoxam	0.0020	U	ug/L	P442750	
		Tolfenpyrad	0.0020	U	ug/L	P442750	
		Triclopyr	0.0040	U	ug/L	P442750	
2475343	EPA 8270E	Aldrin	0.67	U	ng/L	P443191	

Field ID: G3SD0066 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475343	EPA 8270E	Alpha-BHC	0.10	U	ng/L	P443191	
		Alpha-Chlordane	0.21	U	ng/L	P443191	
		PCB-1016	2.1	U	ng/L	P443191	
		Beta-BHC	0.10	U	ng/L	P443191	
		PCB-1221	2.1	U	ng/L	P443191	
		Beta-Cyfluthrin	1.3	U	ng/L	P443191	
		PCB-1232	2.1	U	ng/L	P443191	
		Bifenthrin	0.51	U	ng/L	P443191	
		PCB-1242	2.1	U	ng/L	P443191	
		PCB-1248	2.1	U	ng/L	P443191	
		Chlorothalonil	3.7	U	ng/L	P443191	
		PCB-1254	2.1	U	ng/L	P443191	
		Cis-Nonachlor	0.21	U	ng/L	P443191	
		PCB-1260	2.1	U	ng/L	P443191	
		Cypermethrin	1.5	U	ng/L	P443191	
		Dacthal	0.15	U	ng/L	P443191	
		DDD-p,p'	0.26	U	ng/L	P443191	
		DDE-p,p'	0.21	U	ng/L	P443191	
		DDT-p,p'	0.82	U	ng/L	P443191	
		Delta-BHC	0.41	U	ng/L	P443191	
		Deltamethrin	1.3	U	ng/L	P443191	
		Dichlobenil	0.26	U	ng/L	P443191	
		Dicofol	1.3	U	ng/L	P443191	
		Dieldrin	0.41	U	ng/L	P443191	
		Endosulfan I	0.41	U	ng/L	P443191	
		Endosulfan II	0.93	U	ng/L	P443191	
		Endosulfan Sulfate	0.31	U	ng/L	P443191	
		Endrin	0.93	U	ng/L	P443191	
		Endrin Aldehyde	0.77	U	ng/L	P443191	
		Endrin Ketone	0.41	U	ng/L	P443191	
		Esfenvalerate	0.77	U	ng/L	P443191	
		Ethalfluralin	0.15	U	ng/L	P443191	
		Fenpropathrin	0.26	U	ng/L	P443191	
		Gamma-BHC	0.13	U	ng/L	P443191	
		Gamma-Chlordane	0.21	U	ng/L	P443191	
		Heptachlor	0.21	U	ng/L	P443191	
		Heptachlor Epoxide	0.26	U	ng/L	P443191	
		Hexachlorobenzene**	1.0	U	ng/L	P443191	
		Kepone	14	U	ng/L	P443191	
		Lambda-Cyhalothrin	0.77	U	ng/L	P443191	
		Methoprene	0.77	U	ng/L	P443191	
		Methoxychlor	0.31	U	ng/L	P443191	
		MGK-264	0.21	U	ng/L	P443191	
		Mirex	0.36	U	ng/L	P443191	
		Oxychlordane	0.31	U	ng/L	P443191	

Field ID: G3SD0066 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475343	EPA 8270E	Permethrin	1.6	U	ng/L	P443191	
		Phenothrin	0.93	U	ng/L	P443191	
		Piperonyl Butoxide	0.46	I	ng/L	P443191	
		Prallethrin	2.1	U	ng/L	P443191	
		Tau-Fluvalinate	0.26	U	ng/L	P443191	
		Tetramethrin	0.77	U	ng/L	P443191	
		Trans-Nonachlor	0.21	U	ng/L	P443191	
		Triclosan Methyl	0.15	U	ng/L	P443191	
		Trifluralin	0.21	U	ng/L	P443191	
	EPA 8276	Chlordane	2.1	U	ng/L	P443191	
		Toxaphene	15	U	ng/L	P443191	
2475344	EPA 8270E	Oxybenzone**	10	U	ng/L	P443009	
		Acetochlor	0.21	U	ng/L	P443009	
		Octinoxate**	160	U	ng/L	P443009	
		Alachlor	0.41	U	ng/L	P443009	
		Avobenzone**	100	U	ng/L	P443009	
		Ametryn	2.4	I	ng/L	P443009	
		Atrazine	390		ng/L	P443009	
		PBDE-47**	4.1	U	ng/L	P443009	
		Atrazine Desethyl	33	J	ng/L	P443009	
		PBDE-99**	5.2	U	ng/L	P443009	
		Azinphos Methyl	3.1	U	ng/L	P443009	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P443009	RPD
		Azoxystrobin	5.9	J	ng/L	P443009	
		Bromacil	2.7	I	ng/L	P443009	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	U	ng/L	P443009	
		Butylate	0.47	U	ng/L	P443009	
		Dechlorane Plus**	31	U	ng/L	P443009	
		Caffeine**	7.8	U	ng/L	P443009	
		Dechlorane 602**	5.2	U	ng/L	P443009	
		Carbophenothion	0.52	U	ng/L	P443009	
		Dechlorane 603**	4.1	U	ng/L	P443009	
		Carfentrazone Ethyl	0.16	U	ng/L	P443009	
		Hexabromobenzene**	6.2	UJ	ng/L	P443009	LCS
		Chlorfenapyr	0.31	U	ng/L	P443009	
		PBB-153**	6.2	U	ng/L	P443009	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P443009	
		Pentabromotoluene**	3.1	U	ng/L	P443009	
		Chlorpyrifos Methyl	0.10	U	ng/L	P443009	
		Tris(2-chloroethyl) phosphate (TCEP)**	57	U	ng/L	P443009	RPD
		Coumaphos	1.1	U	ng/L	P443009	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	26	U	ng/L	P443009	
		Cyanazine	5.2	U	ng/L	P443009	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	U	ng/L	P443009	RPD

Field ID: G3SD0066 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475344	EPA 8270E	Cyprodinil	0.21	U	ng/L	P443009	
		Tetradecachloro-m-terphenyl**	7.8	U	ng/L	P443009	
		Demeton	3.6	U	ng/L	P443009	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	62	U	ng/L	P443009	RPD
		Diazinon	0.13	U	ng/L	P443009	
		Difenoconazole	0.62	U	ng/L	P443009	
		Dimethenamid	0.10	U	ng/L	P443009	
		Dimethomorph	0.66	I	ng/L	P443009	
		Disulfoton	0.62	U	ng/L	P443009	
		Dithiopyr	1.0	U	ng/L	P443009	
		EPTC	0.52	U	ng/L	P443009	
		Ethion	0.31	U	ng/L	P443009	
		Ethoprop	0.13	U	ng/L	P443009	
		Etridiazole	0.10	U	ng/L	P443009	
		Fenamiphos	0.47	U	ng/L	P443009	
		Fenbuconazole	0.52	U	ng/L	P443009	
		Fipronil	0.21	U	ng/L	P443009	
		Fipronil Desulfinyl**	0.79	J	ng/L	P443009	
		Fipronil Sulfide	0.27	I	ng/L	P443009	
		Fipronil Sulfone	1.1	J	ng/L	P443009	
		Fluazifop-P-butyl	0.10	U	ng/L	P443009	
		Fludioxonil	0.10	U	ng/L	P443009	
		Flumioxazin	3.1	U	ng/L	P443009	
		Flutolanil	0.10	U	ng/L	P443009	
		Fluxapyroxad	1.6	J	ng/L	P443009	
		Fonofos	0.16	U	ng/L	P443009	
		Hexazinone	0.52	U	ng/L	P443009	
		Imazalil	0.67	U	ng/L	P443009	
		Iprodione	0.52	U	ng/L	P443009	
		Loratadine**	0.31	U	ng/L	P443009	
		Malathion	0.36	U	ng/L	P443009	
		Metalaxyl	1.5	I	ng/L	P443009	
		Metolachlor	120		ng/L	P443009	
		Metribuzin	2.4	J	ng/L	P443009	
		Mevinphos	1.0	U	ng/L	P443009	
		Molinate	0.26	U	ng/L	P443009	
		Myclobutanil	0.36	U	ng/L	P443009	
		Naled	2.6	U	ng/L	P443009	
		Napropamide	0.73	U	ng/L	P443009	
		Norflurazon	1.0	U	ng/L	P443009	
		Oxadiazon	16	J	ng/L	P443009	
		Oxyfluorfen	0.21	U	ng/L	P443009	
		Parathion Ethyl	0.16	U	ng/L	P443009	
		Parathion Methyl	0.21	U	ng/L	P443009	

Field ID: G3SD0066 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475344	EPA 8270E	Pendimethalin	1.8	U	ng/L	P443009	
		Phenytoin**	5.5	U	ng/L	P443009	
		Phorate	0.26	U	ng/L	P443009	
		Prodiamine	2.8	J	ng/L	P443009	
		Prometon	3.1	U	ng/L	P443009	
		Prometryn	0.36	U	ng/L	P443009	
		Pronamide	0.10	U	ng/L	P443009	
		Propanil	0.10	U	ng/L	P443009	
		Propargite	0.83	U	ng/L	P443009	
		Propiconazole	0.62	U	ng/L	P443009	
		Pyraflufen Ethyl	0.31	U	ng/L	P443009	
		Pyridaben	1.5	U	ng/L	P443009	
		Pyriproxyfen	0.26	U	ng/L	P443009	
		Simazine	11	J	ng/L	P443009	
		Stirophos	0.41	U	ng/L	P443009	
		Sulfentrazone	30	J	ng/L	P443009	
		Tebuconazole	12	J	ng/L	P443009	
		Terbufos	0.21	U	ng/L	P443009	
		Terbuthylazine	0.21	U	ng/L	P443009	
		Thiobencarb	0.52	U	ng/L	P443009	
		Triadimefon	0.16	U	ng/L	P443009	
2475347	EPA 200.7 Rev. 4.4	Calcium	150		mg/L	P442940	
		Iron	210	I	ug/L	P442940	
		Magnesium	165		mg/L	P442940	
		Potassium	50.3		mg/L	P442940	
		Sodium	1.31E+03		mg/L	P442940	
		Strontium	2.98E+03		ug/L	P442940	
		Tin	9.0	U	ug/L	P442940	
		Titanium	2.2	U	ug/L	P442940	
		Vanadium	6.0	U	ug/L	P442940	
		Zinc	15	U	ug/L	P442940	
	EPA 200.8 Rev. 5.4	Aluminum	56	I	ug/L	P442940	
		Antimony	0.34	I	ug/L	P442940	
		Arsenic	1.53		ug/L	P442940	
		Barium	23.5		ug/L	P442940	
		Beryllium	0.040	U	ug/L	P442940	
		Boron	536		ug/L	P442940	
		Cadmium	0.080	U	ug/L	P442940	
		Chromium	4.0	U	ug/L	P442940	
		Cobalt	0.32	I	ug/L	P442940	
		Copper	1.6	U	ug/L	P442940	
		Lead	0.80	U	ug/L	P442940	
		Manganese	21.5		ug/L	P442940	
		Molybdenum	3.3	I	ug/L	P442940	
		Nickel	2.0	U	ug/L	P442940	

Field ID: G3SD0066 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475347	EPA 200.8 Rev. 5.4	Selenium	0.80	U	ug/L	P442940	
		Silver	0.040	U	ug/L	P442940	
		Thallium	0.40	U	ug/L	P442940	
	SM 2340 B-2011	Hardness	1.05E+03		mg/L	P442940	

Ref. Method and Comment:
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for some parameters not assessed due to high content of these parameters in the sample spiked. Estimation for atrazine desethyl, azoxystrobin, fipronil desulfinyl, fipronil sulfone, fluxapyroxad, prodiamine, metribuzin, oxadiazon, simazine, sulfentrazine, and tebuconazole due to internal standard recovery exceeding control limits.
EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for calcium, magnesium, potassium, sodium and strontium are unavailable because of high analyte concentration in the QC sample.

Sample Location: HATCHETT CREEK TIDAL 1 **Collection Date/Time: 03/13/2024 09:50**

Field ID: G3SD0191 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475311	DEP SOP: NU-094-1	Color (true)	5.3	I	PCU	P442824	
	EPA 180.1 Rev. 2.0	Turbidity	2.2		NTU	P442834	
	EPA 300.0 Rev. 2.1	Chloride	1.6E+04		mg Cl/L	P443172	
		Sulfate	2.3E+03		mg SO4/L	P443176	
	SM 2320 B-2011	Total Alkalinity	146		mg CaCO3/L	P443078	
	SM 2540 C-2015	TDS	2.68E+04		mg/L	P443283	
	SM 2540 D-2015	TSS	5	I A	mg/L	P443117	
	SM 4500-F- C-2011	Fluoride	1.0		mg F/L	P443081	
2475312	EPA 350.1 Rev. 2.0	Ammonia-N	0.048		mg N/L	P443147	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.66	J	mg N/L	P443651	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.036		mg N/L	P443142	
	EPA 365.1 Rev. 2.0	Total-P	0.073		mg P/L	P443107	
	SM 5310 B-2014	Organic Carbon	5.8		mg C/L	P443564	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 351.2 Rev. 2.0: The sample appears to be heterogeneous with respect to Total Kjeldahl Nitrogen analysis.

Sample Location: HATCHETT CREEK AT PINEBROOK RD **Collection Date/Time: 03/13/2024 10:20**

Field ID: G3SD0103 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475340	EPA 8321B	2,4-D	0.0059	I	ug/L	P442750	
		Acesulfame K	0.10	U	ug/L	P442848	
		2,4,5-T	0.0040	U	ug/L	P442750	
		AMPA	0.44		ug/L	P442848	
		Acetaminophen	0.0080	U	ug/L	P442750	
		Acetamiprid	0.0020	U	ug/L	P442750	
		Endothall	0.25	U	ug/L	P442848	
		Glufosinate	0.10	U	ug/L	P442848	
		Glyphosate	2.3		ug/L	P442848	
		Afidopyropen	0.0020	U	ug/L	P442750	
		Bentazon	0.027		ug/L	P442750	
		Sucralose	0.88		ug/L	P442848	
		Benzovindiflupyr	0.0020	U	ug/L	P442750	
		Carbamazepine	0.0014	I	ug/L	P442750	
		Clothianidin	0.0020	U	ug/L	P442750	
		Dinotefuran	0.0020	U	ug/L	P442750	
		Diuron	0.076		ug/L	P442750	
		Fenuron	0.032	U	ug/L	P442750	
		Fluridone	0.027		ug/L	P442750	
		Imazapyr	1.3		ug/L	P442750	
		Hydrocodone	0.0020	U	ug/L	P442750	
		Ibuprofen	0.080	U	ug/L	P442750	
		Imidacloprid	0.0026	I	ug/L	P442750	
		Linuron	0.0040	U	ug/L	P442750	
		Mandestrobin	0.0020	U	ug/L	P442750	
		MCPP	0.0037	I	ug/L	P442750	
		Naproxen	0.0080	U	ug/L	P442750	
		Primidone	0.012	I	ug/L	P442750	
		Pyraclostrobin	0.0020	U	ug/L	P442750	
		Silvex	0.0040	U	ug/L	P442750	
		Thiamethoxam	0.0020	U	ug/L	P442750	
		Tolfenpyrad	0.0020	U	ug/L	P442750	
		Triclopyr	0.0040	U	ug/L	P442750	
2475345	EPA 8270E	Aldrin	0.67	U	ng/L	P443191	
		Alpha-BHC	0.10	U	ng/L	P443191	
		Alpha-Chlordane	0.21	U	ng/L	P443191	
		PCB-1016	2.1	U	ng/L	P443191	
		Beta-BHC	0.10	U	ng/L	P443191	
		PCB-1221	2.1	U	ng/L	P443191	
		Beta-Cyfluthrin	1.3	U	ng/L	P443191	
		PCB-1232	2.1	U	ng/L	P443191	
		Bifenthrin	0.51	U	ng/L	P443191	
		PCB-1242	2.1	U	ng/L	P443191	
		Carbophenothion	0.93	U	ng/L	P443191	

Field ID: G3SD0103 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475345	EPA 8270E	PCB-1248	2.1	U	ng/L	P443191	
		Chlorothalonil	3.7	U	ng/L	P443191	
		PCB-1254	2.1	U	ng/L	P443191	
		Cis-Nonachlor	0.21	U	ng/L	P443191	
		PCB-1260	2.1	U	ng/L	P443191	
		Cypermethrin	1.5	U	ng/L	P443191	
		Dacthal	0.15	U	ng/L	P443191	
		DDD-p,p'	0.26	U	ng/L	P443191	
		DDE-p,p'	0.21	U	ng/L	P443191	
		DDT-p,p'	0.82	U	ng/L	P443191	
		Delta-BHC	0.41	U	ng/L	P443191	
		Deltamethrin	1.3	U	ng/L	P443191	
		Dichlobenil	0.26	U	ng/L	P443191	
		Dicofol	1.3	U	ng/L	P443191	
		Dieldrin	0.41	U	ng/L	P443191	
		Endosulfan I	0.41	U	ng/L	P443191	
		Endosulfan II	0.93	U	ng/L	P443191	
		Endosulfan Sulfate	0.31	U	ng/L	P443191	
		Endrin	0.93	U	ng/L	P443191	
		Endrin Aldehyde	0.77	U	ng/L	P443191	
		Endrin Ketone	0.41	U	ng/L	P443191	
		Esfenvalerate	0.77	U	ng/L	P443191	
		Ethalfluralin	0.15	U	ng/L	P443191	
		Fenpropathrin	0.26	U	ng/L	P443191	
		Gamma-BHC	0.13	U	ng/L	P443191	
		Gamma-Chlordane	0.21	U	ng/L	P443191	
		Heptachlor	0.21	U	ng/L	P443191	
		Heptachlor Epoxide	0.26	U	ng/L	P443191	
		Hexachlorobenzene**	1.0	U	ng/L	P443191	
		Kepone	14	U	ng/L	P443191	
		Lambda-Cyhalothrin	0.77	U	ng/L	P443191	
		Methoprene	0.77	U	ng/L	P443191	
		Methoxychlor	0.31	U	ng/L	P443191	
		MGK-264	0.21	U	ng/L	P443191	
		Mirex	0.36	U	ng/L	P443191	
		Oxychlordane	0.31	U	ng/L	P443191	
		Permethrin	1.6	U	ng/L	P443191	
		Phenothrin	0.93	U	ng/L	P443191	
		Piperonyl Butoxide	0.42	I	ng/L	P443191	
		Prallethrin	2.1	U	ng/L	P443191	
		Tau-Fluvalinate	0.26	U	ng/L	P443191	
		Tetramethrin	0.77	U	ng/L	P443191	
		Trans-Nonachlor	0.21	U	ng/L	P443191	
		Triclosan Methyl	0.15	U	ng/L	P443191	
		Trifluralin	0.21	U	ng/L	P443191	

Field ID: G3SD0103 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475345	EPA 8276	Chlordane	2.1	U	ng/L	P443191	
		Toxaphene	15	U	ng/L	P443191	

Sample Location: ALLIGATOR TIDAL AT US 41 **Collection Date/Time: 03/13/2024 10:40**

Field ID: G2SD0025 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475342	EPA 8321B	2,4-D	0.0076	I	ug/L	P442750	
		Acesulfame K	0.13	I	ug/L	P442848	
		2,4,5-T	0.0040	U	ug/L	P442750	
		AMPA	0.15	I	ug/L	P442848	
		Acetaminophen	0.0080	U	ug/L	P442750	
		Acetamiprid	0.0020	U	ug/L	P442750	
		Endothall	0.25	U	ug/L	P442848	
		Glufosinate	0.10	U	ug/L	P442848	
		Glyphosate	0.53		ug/L	P442848	
		Afidopyropen	0.0020	U	ug/L	P442750	
		Bentazon	0.027		ug/L	P442750	
		Sucralose	1.4		ug/L	P442848	
		Benzovindiflupyr	0.0020	U	ug/L	P442750	
		Carbamazepine	0.0068		ug/L	P442750	
		Clothianidin	0.0020	U	ug/L	P442750	
		Dinotefuran	0.0020	U	ug/L	P442750	
		Diuron	0.0026	I	ug/L	P442750	
		Fenuron	0.032	U	ug/L	P442750	
		Fluridone	0.017		ug/L	P442750	
		Imazapyr	0.54		ug/L	P442750	
		Hydrocodone	0.0020	U	ug/L	P442750	
		Ibuprofen	0.080	U	ug/L	P442750	
		Imidacloprid	0.011		ug/L	P442750	
		Linuron	0.0040	U	ug/L	P442750	
		Mandestrobin	0.0020	U	ug/L	P442750	
		MCPP	0.0020	U	ug/L	P442750	
		Naproxen	0.0080	U	ug/L	P442750	
		Primidone	0.024		ug/L	P442750	
		Pyraclostrobin	0.0020	U	ug/L	P442750	
		Silvex	0.0040	U	ug/L	P442750	
		Thiamethoxam	0.0020	U	ug/L	P442750	
		Tolfenpyrad	0.0020	U	ug/L	P442750	
		Triclopyr	0.0040	U	ug/L	P442750	

Sample Location: ALLIGATOR ATJACARANDA **Collection Date/Time: 03/13/2024 11:00**

Field ID: G2SD0026 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475341	EPA 8321B	2,4-D	0.011		ug/L	P442750	
		Acesulfame K	0.10	U	ug/L	P442848	
		2,4,5-T	0.0040	U	ug/L	P442750	
		AMPA	0.24	I	ug/L	P442848	
		Acetaminophen	0.0080	U	ug/L	P442750	
		Acetamiprid	0.0020	U	ug/L	P442750	
		Endothall	0.25	U	ug/L	P442848	
		Glufosinate	0.10	U	ug/L	P442848	
		Glyphosate	0.63		ug/L	P442848	
		Afidopyropen	0.0020	U	ug/L	P442750	
		Bentazon	0.025		ug/L	P442750	
		Sucralose	1.3		ug/L	P442848	
		Benzovindiflupyr	0.0020	U	ug/L	P442750	
		Carbamazepine	0.0026	I	ug/L	P442750	
		Clothianidin	0.0020	U	ug/L	P442750	
		Dinotefuran	0.0020	U	ug/L	P442750	
		Diuron	0.0020	U	ug/L	P442750	
		Fenuron	0.032	U	ug/L	P442750	
		Fluridone	0.023		ug/L	P442750	
		Imazapyr	0.62		ug/L	P442750	
		Hydrocodone	0.0020	U	ug/L	P442750	
		Ibuprofen	0.080	U	ug/L	P442750	
		Imidacloprid	0.012		ug/L	P442750	
		Linuron	0.0040	U	ug/L	P442750	
		Mandestrobin	0.0020	U	ug/L	P442750	
		MCPP	0.0020	U	ug/L	P442750	
		Naproxen	0.0080	U	ug/L	P442750	
		Primidone	0.015	I	ug/L	P442750	
		Pyraclostrobin	0.0020	U	ug/L	P442750	
		Silvex	0.0040	U	ug/L	P442750	
		Thiamethoxam	0.0020	U	ug/L	P442750	
		Tolfenpyrad	0.0020	U	ug/L	P442750	
		Triclopyr	0.0040	U	ug/L	P442750	
2475346	EPA 8270E	Aldrin	0.67	U	ng/L	P443191	
		Alpha-BHC	0.10	U	ng/L	P443191	
		Alpha-Chlordane	0.21	U	ng/L	P443191	
		PCB-1016	2.1	U	ng/L	P443191	
		Beta-BHC	0.10	U	ng/L	P443191	
		PCB-1221	2.1	U	ng/L	P443191	
		Beta-Cyfluthrin	1.3	U	ng/L	P443191	
		PCB-1232	2.1	U	ng/L	P443191	
		Bifenthrin	0.51	U	ng/L	P443191	
		PCB-1242	2.1	U	ng/L	P443191	
		Carbophenothion	0.92	U	ng/L	P443191	

Field ID: G2SD0026 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475346	EPA 8270E	PCB-1248	2.1	U	ng/L	P443191	
		Chlorothalonil	3.7	U	ng/L	P443191	
		PCB-1254	2.1	U	ng/L	P443191	
		Cis-Nonachlor	0.21	U	ng/L	P443191	
		PCB-1260	2.1	U	ng/L	P443191	
		Cypermethrin	1.5	U	ng/L	P443191	
		Dacthal	0.15	U	ng/L	P443191	
		DDD-p,p'	0.26	U	ng/L	P443191	
		DDE-p,p'	0.21	U	ng/L	P443191	
		DDT-p,p'	0.82	U	ng/L	P443191	
		Delta-BHC	0.41	U	ng/L	P443191	
		Deltamethrin	1.3	U	ng/L	P443191	
		Dichlobenil	0.26	U	ng/L	P443191	
		Dicofol	1.3	U	ng/L	P443191	
		Dieldrin	0.41	U	ng/L	P443191	
		Endosulfan I	0.41	U	ng/L	P443191	
		Endosulfan II	0.92	U	ng/L	P443191	
		Endosulfan Sulfate	0.31	U	ng/L	P443191	
		Endrin	0.92	U	ng/L	P443191	
		Endrin Aldehyde	0.77	U	ng/L	P443191	
		Endrin Ketone	0.41	U	ng/L	P443191	
		Esfenvalerate	0.77	U	ng/L	P443191	
		Ethalfluralin	0.15	U	ng/L	P443191	
		Fenpropathrin	0.26	U	ng/L	P443191	
		Gamma-BHC	0.13	U	ng/L	P443191	
		Gamma-Chlordane	0.21	U	ng/L	P443191	
		Heptachlor	0.21	U	ng/L	P443191	
		Heptachlor Epoxide	0.26	U	ng/L	P443191	
		Hexachlorobenzene**	1.0	U	ng/L	P443191	
		Kepone	14	U	ng/L	P443191	
		Lambda-Cyhalothrin	0.77	U	ng/L	P443191	
		Methoprene	0.77	U	ng/L	P443191	
		Methoxychlor	0.31	U	ng/L	P443191	
		MGK-264	0.21	U	ng/L	P443191	
		Mirex	0.36	U	ng/L	P443191	
		Oxychlordane	0.31	U	ng/L	P443191	
		Permethrin	1.6	U	ng/L	P443191	
		Phenothrin	0.92	U	ng/L	P443191	
		Piperonyl Butoxide	0.15	U	ng/L	P443191	
		Prallethrin	2.1	U	ng/L	P443191	
		Tau-Fluvalinate	0.26	U	ng/L	P443191	
		Tetramethrin	0.77	U	ng/L	P443191	
		Trans-Nonachlor	0.21	U	ng/L	P443191	
		Triclosan Methyl	0.15	U	ng/L	P443191	
		Trifluralin	0.21	U	ng/L	P443191	

Field ID: G2SD0026 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2475346	EPA 8276	Chlordane	2.1	U	ng/L	P443191	
		Toxaphene	15	U	ng/L	P443191	

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P442824

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P442834

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P442940

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: P442940

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443172

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443176

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443147

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P443651

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443142

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443107

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

Reference Method: EPA 8270E
Batch ID: P443009

Component	Result	Code	Units
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	60	U	ng/L
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	12	U	ng/L
Acetochlor	0.20	U	ng/L
Alachlor	0.40	U	ng/L
Ametryn	1.1	U	ng/L
Atrazine	0.20	U	ng/L
Atrazine Desethyl	1.3	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	3.0	U	ng/L
Azoxystrobin	0.40	U	ng/L
Bromacil	0.60	U	ng/L
Butylate	0.45	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.50	U	ng/L
Carfentrazone Ethyl	0.15	U	ng/L
Chlorfenapyr	0.30	U	ng/L
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P443009

Component	Result	Code	Units
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	150	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
PBB-153	6.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	1.7	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytoin	5.3	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P443009

Component	Result	Code	Units
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	25	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	55	U	ng/L

Reference Method: EPA 8270E
Batch ID: P443191

Component	Result	Code	Units
Aldrin	0.65	U	ng/L
Alpha-BHC	0.10	U	ng/L
Alpha-Chlordane	0.20	U	ng/L
Beta-BHC	0.10	U	ng/L
Beta-Cyfluthrin	1.2	U	ng/L
Bifenthrin	0.50	U	ng/L
Carbophenothion	0.90	U	ng/L
Chlorothalonil	3.6	U	ng/L
Cis-Nonachlor	0.20	U	ng/L
Cypermethrin	1.5	U	ng/L
Dacthal	0.15	U	ng/L
DDD-p,p'	0.25	U	ng/L
DDE-p,p'	0.20	U	ng/L
DDT-p,p'	0.80	U	ng/L
Delta-BHC	0.40	U	ng/L
Deltamethrin	1.2	U	ng/L
Dichlobenil	0.25	U	ng/L
Dicofol	1.2	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.90	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.90	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P443191

Component	Result	Code	Units
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfluralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.35	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8276
Batch ID: P443191

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

Reference Method: EPA 8321B
Batch ID: P442750

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P442750

Component	Result	Code	Units
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: P442848

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: P442872

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

Reference Method: SM 2320 B-2011
Batch ID: P443078

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

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 C-2015
Batch ID: P443283

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P443117

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P443081

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P443564

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: P442824

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	95.1		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P442834

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P442940

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	102		P	85 - 115
Iron	102		P	85 - 115
Magnesium	98.8		P	85 - 115
Potassium	101		P	85 - 115
Sodium	102		P	85 - 115
Strontium	102		P	85 - 115
Tin	99.1		P	85 - 115
Titanium	101		P	85 - 115
Vanadium	101		P	85 - 115
Zinc	105		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P442940

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	104		P	85 - 115
Antimony	107		P	85 - 115
Arsenic	100		P	85 - 115
Barium	106		P	85 - 115
Beryllium	98.6		P	85 - 115
Boron	107		P	85 - 115
Cadmium	105		P	85 - 115
Chromium	107		P	85 - 115
Cobalt	102		P	85 - 115
Copper	97.8		P	85 - 115
Lead	96.1		P	85 - 115
Manganese	105		P	85 - 115
Molybdenum	101		P	85 - 115
Nickel	99.4		P	85 - 115
Selenium	103		P	85 - 115
Silver	102		P	85 - 115
Thallium	98.6		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443172

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443176

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443147

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	93.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P443651

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	98.8		P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443142

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	98.0		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443107

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

Reference Method: EPA 8270E
Batch ID: P443009

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	56.3		P	50 - 150
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	81.4		P	37 - 154
Acetochlor	92.6		P	64 - 124
Alachlor	72.9		P	61 - 118
Ametryn	115		P	47 - 158
Atrazine	91.9		P	68 - 121
Atrazine Desethyl	83.0		P	30 - 119
Avobenzone	106		P	48 - 193
Azinphos Methyl	173		P	30 - 194
Azoxystrobin	88.7		P	58 - 154
Bromacil	92.9		P	47 - 126
Butylate	53.5		P	31 - 83.0
Caffeine	97.6		P	10 - 180
Carbophenothion	124		P	59 - 133
Carfentrazone Ethyl	136		P	59 - 147
Chlorfenapyr	90.3		P	52 - 118
Chlorpyrifos Ethyl	77.5		P	59 - 119
Chlorpyrifos Methyl	99.8		P	65 - 123
Coumaphos	122		P	11 - 223
Cyanazine	121		P	63 - 250
Cyprodinil	93.9		P	52 - 143
Dechlorane 602	70.3		P	23 - 142

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P443009

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dechlorane 603	70.8		P	51 - 171
Dechlorane Plus	66.6		P	46 - 161
Demeton	66.8		P	42 - 119
Diazinon	105		P	67 - 132
Difenoconazole	155		P	12 - 204
Dimethenamid	101		P	53 - 113
Dimethomorph	91.7		P	13 - 238
Disulfoton	95.3		P	56 - 126
Dithiopyr	85.4		P	58 - 127
EPTC	47.8		P	31 - 78.0
Ethion	82.2		P	24 - 127
Ethoprop	75.5		P	60 - 118
Etridiazole	64.7		P	32 - 91.0
Fenamiphos	95.5		P	54 - 129
Fenbuconazole	98.4		P	31 - 162
Fipronil	74.4		P	56 - 131
Fipronil Desulfinyl	68.7		P	58 - 132
Fipronil Sulfide	61.1		P	51 - 123
Fipronil Sulfone	77.2		P	50 - 125
Fluazifop-P-butyl	85.5		P	52 - 132
Fludioxonil	94.5		P	52 - 129
Flumioxazin	83.1		P	34 - 250
Flutolanil	97.0		P	45 - 128
Fluxapyroxad	97.6		P	31 - 150
Fonofos	74.9		P	60 - 116
Hexabromobenzene	49.4		F	52 - 165
Hexazinone	94.1		P	59 - 120
Imazalil	86.8		P	39 - 134
Iprodione	110		P	39 - 243
Loratadine	162		P	10 - 240
Malathion	101		P	53 - 145
Metalaxyl	81.3		P	59 - 120
Metolachlor	91.1		P	64 - 122
Metribuzin	68.6		P	33 - 128
Mevinphos	83.0		P	48 - 119
Molinate	57.0		P	42 - 89.0
Myclobutanil	80.5		P	54 - 129
Naled	78.3		P	10 - 138
Napropamide	87.8		P	40 - 122
Norflurazon	111		P	49 - 132
Octinoxate	76.8		P	29 - 176
Oxadiazon	71.7		P	50 - 115
Oxybenzone	87.1		P	45 - 145
Oxyfluorfen	112		P	62 - 149
Parathion Ethyl	92.5		P	68 - 119
Parathion Methyl	95.5		P	68 - 147
PBB-153	70.7		P	42 - 179
PBDE-47	75.0		P	44 - 141
PBDE-99	77.9		P	36 - 141
Pendimethalin	91.8		P	59 - 158
Pentabromotoluene	68.4		P	58 - 148
Phenytoin	39.5		P	10 - 151

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P443009

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Phorate	81.8		P	44 - 124
Prodiamine	39.3		P	10 - 136
Prometon	93.0		P	45 - 131
Prometryn	95.6		P	52 - 140
Pronamide	108		P	70 - 129
Propanil	110		P	54 - 144
Propargite	86.7		P	10 - 191
Propiconazole	85.7		P	49 - 128
Pyraflufen Ethyl	91.8		P	46 - 141
Pyridaben	138		P	29 - 198
Pyriproxyfen	95.4		P	33 - 221
Simazine	93.7		P	62 - 119
Stirophos	104		P	13 - 144
Sulfentrazone	61.4		P	12 - 152
Tebuconazole	81.4		P	10 - 135
Terbufos	81.3		P	67 - 136
Terbuthylazine	74.0		P	66 - 113
Tetradecachloro-m-terphenyl	58.1		P	30 - 235
Thiobencarb	102		P	51 - 125
Tri-o-cresyl Phosphate	74.3		P	50 - 150
Triadimefon	94.9		P	57 - 118
Tris(1-chloro-2-propyl) phosphate (TCPP)	73.8		P	60 - 160
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	73.8		P	66 - 141
Tris(2-chloroethyl) phosphate (TCEP)	79.8		P	59 - 166

Reference Method: EPA 8270E
Batch ID: P443191

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	64.8		P	30 - 96.0
Alpha-BHC	100		P	70 - 109
Alpha-Chlordane	102		P	45 - 107
Beta-BHC	113		P	64 - 138
Beta-Cyfluthrin	85.7		P	17 - 141
Bifenthrin	57.1		P	10 - 113
Carbophenothion	75.1		P	24 - 91.0
Chlorothalonil	75.9		P	26 - 180
Cis-Nonachlor	73.5		P	37 - 102
Cypermethrin	81.3		P	20 - 133
Dacthal	104		P	69 - 114
DDD-p,p'	81.9		P	42 - 105
DDE-p,p'	77.6		P	42 - 106
DDT-p,p'	80.7		P	42 - 107
Delta-BHC	115		P	67 - 144
Deltamethrin	101		P	15 - 149
Dichlobenil	71.9		P	46 - 117
Dicofol	79.7		P	34 - 114
Dieldrin	107		P	50 - 108
Endosulfan I	80.9		P	55 - 104
Endosulfan II	80.0		P	51 - 111
Endosulfan Sulfate	111		P	56 - 121
Endrin	82.2		P	10 - 106

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P443191

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Endrin Aldehyde	95.5		P	34 - 114
Endrin Ketone	123		P	63 - 177
Esfenvalerate	81.3		P	29 - 143
Ethalfluralin	76.2		P	46 - 96.0
Fenpropathrin	77.5		P	28 - 115
Gamma-BHC	108		P	65 - 121
Gamma-Chlordane	84.7		P	39 - 103
Heptachlor	66.1		P	39 - 94.0
Heptachlor Epoxide	78.4		P	54 - 104
Hexachlorobenzene	82.9		P	36 - 100
Kepone	82.2		P	10 - 225
Lambda-Cyhalothrin	86.2		P	10 - 135
Methoprene	48.9		P	10 - 109
Methoxychlor	97.1		P	52 - 112
MGK-264	73.3		P	44 - 117
Mirex	63.4		P	20 - 90.0
Oxychlordane	76.3		P	44 - 102
PCB-1016	74.8		P	45 - 107
PCB-1260	78.2		P	40 - 118
Permethrin	78.6		P	18 - 135
Phenothrin	45.7		P	10 - 102
Piperonyl Butoxide	97.2		P	28 - 156
Prallethrin	72.7		P	28 - 113
Tau-Fluvalinate	71.9		P	10 - 123
Tetramethrin	80.2		P	18 - 158
Trans-Nonachlor	86.3		P	39 - 104
Triclosan Methyl	83.5		P	54 - 108
Trifluralin	84.7		P	46 - 97.0

Reference Method: EPA 8276
Batch ID: P443191

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	81.4		P	52 - 117
Toxaphene	86.7		P	44 - 125

Reference Method: EPA 8321B
Batch ID: P442750

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	106		P	40 - 150
2,4,5-T	93.0		P	40 - 150
Acetaminophen	80.4		P	30 - 150
Acetamiprid	84.2		P	40 - 150
Afidopyropen	68.3		P	30 - 150
Bentazon	115		P	30 - 150
Benzovindiflupyr	89.9		P	40 - 150
Carbamazepine	81.9		P	40 - 150
Clothianidin	96.6		P	40 - 150
Dinotefuran	101		P	40 - 150
Diuron	78.6		P	40 - 150
Fenuron	96.1		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P442750

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluridone	89.2		P	40 - 150
Hydrocodone	88.9		P	40 - 150
Ibuprofen	99.3		P	40 - 150
Imazapyr	104		P	40 - 150
Imidacloprid	94.8		P	40 - 150
Linuron	74.7		P	40 - 150
Mandestrobin	96.4		P	40 - 150
MCPP	99.3		P	40 - 150
Naproxen	71.5		P	40 - 150
Primidone	96.8		P	40 - 150
Pyraclostrobin	91.5		P	40 - 150
Silvex	103		P	40 - 150
Thiamethoxam	97.9		P	40 - 150
Tolfenpyrad	57.4		P	30 - 150
Triclopyr	102		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P442848

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	100		P	40 - 150
AMPA	98.6		P	40 - 160
Endothall	86.1		P	40 - 160
Glufosinate	87.7		P	40 - 160
Glyphosate	97.9		P	40 - 160
Sucralose	100		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P442872

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	55.2		P	40 - 150
Aldicarb	47.5		P	30 - 150
Aldicarb Sulfone	80.2		P	40 - 150
Aldicarb Sulfoxide	103		P	40 - 150
Carbaryl	77.6		P	40 - 150
Carbofuran	73.7		P	40 - 150
Methiocarb	72.9		P	40 - 150
Methomyl	81.8		P	40 - 150
Oxamyl	84.5		P	40 - 150
Propoxur	60.6		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P443078

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	100		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P443283

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 2540 C-2015
Batch ID: P443283

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	100		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P443117

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	112		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P443081

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.6		P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P443564

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

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P442940

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2476028	Iron	97.6	97.7	P/P	70 - 130
2476028	Tin	77.9	79.2	P/P	70 - 130
2476028	Titanium	101	100	P/P	70 - 130
2476028	Vanadium	103	104	P/P	70 - 130
2476028	Zinc	105	105	P/P	70 - 130

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P442940

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2476028	Aluminum	108	110	P/P	70 - 130
2476028	Antimony	105	105	P/P	70 - 130
2476028	Arsenic	108	109	P/P	70 - 130
2476028	Barium	103	104	P/P	70 - 130
2476028	Beryllium	93.1	90.1	P/P	70 - 130
2476028	Boron	111	117	P/P	70 - 130
2476028	Cadmium	94.8	99.4	P/P	70 - 130
2476028	Chromium	99.2	99.5	P/P	70 - 130
2476028	Cobalt	109	107	P/P	70 - 130
2476028	Copper	104	111	P/P	70 - 130
2476028	Lead	100	102	P/P	70 - 130
2476028	Manganese	93.6	94.7	P/P	70 - 130
2476028	Molybdenum	111	112	P/P	70 - 130
2476028	Nickel	106	106	P/P	70 - 130
2476028	Selenium	104	103	P/P	70 - 130
2476028	Silver	91.6	91.3	P/P	70 - 130
2476028	Thallium	100	102	P/P	70 - 130

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443172

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475451	Chloride	101		P	90 - 110
2475472	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443176

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475451	Sulfate	104		P	90 - 110
2475472	Sulfate	103		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443147

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475159	Ammonia-N	96.2	96.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P443651

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

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P443651

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2478802	Kjeldahl Nitrogen	104	99.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443142

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2474021	NO2NO3-N	94.6	95.6	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443107

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475996	Total-P	99.7	101	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P443009

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475498	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	80.3	51.4	P/P	50 - 150
2475498	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	86.5	80.4	P/P	29 - 155
2475498	Acetochlor	88.1	82.1	P/P	60 - 124
2475498	Alachlor	73.6	76.1	P/P	54 - 122
2475498	Ametryn	108	99.6	P/P	51 - 208
2475498	Avobenzone	124	115	P/P	35 - 187
2475498	Azinphos Methyl	180	179	P/P	43 - 276
2475498	Azoxystrobin	88.9	105	P/P	52 - 300
2475498	Bromacil	96.4	81.4	P/P	44 - 134
2475498	Butylate	51.5	56.6	P/P	23 - 82.0
2475498	Caffeine	83.4	102	P/P	10 - 277
2475498	Carbophenothion	110	86.3	P/P	47 - 135
2475498	Carfentrazone Ethyl	122	94.7	P/P	46 - 147
2475498	Chlorfenapyr	103	100	P/P	43 - 114
2475498	Chlorpyrifos Ethyl	75.5	75.8	P/P	47 - 124
2475498	Chlorpyrifos Methyl	101	102	P/P	60 - 135
2475498	Coumaphos	136	129	P/P	10 - 222
2475498	Cyanazine	126	130	P/P	10 - 257
2475498	Cyprodinil	119	93.8	P/P	42 - 148
2475498	Dechlorane 602	68.1	56.9	P/P	14 - 133
2475498	Dechlorane 603	66.1	52.7	P/P	18 - 191
2475498	Dechlorane Plus	59.2	49.4	P/P	23 - 154
2475498	Demeton	73.8	72.1	P/P	41 - 137
2475498	Diazinon	101	86.9	P/P	64 - 139
2475498	Difenoconazole	164	189	P/P	46 - 254
2475498	Dimethenamid	93.4	92.8	P/P	47 - 117
2475498	Dimethomorph	88.9	122	P/P	14 - 255
2475498	Disulfoton	97.4	87.4	P/P	52 - 130
2475498	Dithiopyr	98.2	89.5	P/P	40 - 121
2475498	EPTC	45.1	48.6	P/P	19 - 78.0
2475498	Ethion	81.7	65.0	P/P	12 - 124
2475498	Ethoprop	87.3	89.5	P/P	68 - 144
2475498	Etridiazole	70.4	57.6	P/P	26 - 96.0
2475498	Fenamiphos	73.8	73.2	P/P	41 - 129

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P443009

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475498	Fenbuconazole	98.8	88.1	P/P	26 - 169
2475498	Fipronil	107	72.3	P/P	46 - 145
2475498	Fipronil Desulfinyl	57.9	99.4	P/P	47 - 136
2475498	Fipronil Sulfide	76.0	71.9	P/P	41 - 127
2475498	Fluazifop-P-butyl	92.0	83.1	P/P	46 - 131
2475498	Fludioxonil	94.4	97.7	P/P	51 - 124
2475498	Flumioxazin	86.1	96.6	P/P	10 - 289
2475498	Flutolanil	94.5	94.0	P/P	34 - 130
2475498	Fluxapyroxad	96.7	78.1	P/P	10 - 197
2475498	Fonofos	84.3	87.4	P/P	42 - 131
2475498	Hexabromobenzene	62.3	75.1	P/P	47 - 178
2475498	Hexazinone	93.4	88.3	P/P	64 - 125
2475498	Imazalil	94.8	85.4	P/P	37 - 252
2475498	Iprodione	120	94.8	P/P	34 - 265
2475498	Loratadine	166	173	P/P	20 - 231
2475498	Malathion	99.7	104	P/P	34 - 164
2475498	Metalaxyl	82.9	80.4	P/P	49 - 125
2475498	Metribuzin	93.7	87.4	P/P	51 - 139
2475498	Mevinphos	92.8	95.3	P/P	46 - 130
2475498	Molinate	59.6	63.5	P/P	39 - 93.0
2475498	Myclobutanil	93.4	86.7	P/P	50 - 130
2475498	Naled	83.8	77.7	P/P	10 - 150
2475498	Napropamide	101	82.3	P/P	10 - 109
2475498	Norflurazon	104	79.5	P/P	36 - 134
2475498	Octinoxate	78.6	81.6	P/P	18 - 170
2475498	Oxadiazon	76.0	71.8	P/P	43 - 112
2475498	Oxybenzone	88.1	95.9	P/P	33 - 154
2475498	Oxyfluorfen	112	112	P/P	62 - 154
2475498	Parathion Ethyl	106	97.1	P/P	65 - 120
2475498	Parathion Methyl	83.8	99.4	P/P	77 - 185
2475498	PBB-153	81.0	73.8	P/P	23 - 193
2475498	PBDE-47	81.3	70.3	P/P	31 - 139
2475498	PBDE-99	83.8	72.6	P/P	24 - 138
2475498	Pendimethalin	109	100	P/P	50 - 146
2475498	Pentabromotoluene	72.5	74.7	P/P	54 - 152
2475498	Phenytoin	82.8	54.4	P/P	10 - 157
2475498	Phorate	89.1	91.8	P/P	54 - 161
2475498	Prodiamine	70.6	65.6	P/P	29 - 160
2475498	Prometon	118	110	P/P	38 - 145
2475498	Prometryn	105	121	P/P	32 - 151
2475498	Pronamide	110	99.0	P/P	61 - 140
2475498	Propanil	118	100	P/P	50 - 147
2475498	Propargite	88.9	61.3	P/P	10 - 190
2475498	Propiconazole	96.4	91.0	P/P	30 - 146
2475498	Pyraflufen Ethyl	87.2	79.8	P/P	30 - 147
2475498	Pyridaben	151	143	P/P	15 - 195
2475498	Pyriproxyfen	95.5	71.4	P/P	31 - 218
2475498	Stirophos	114	90.4	P/P	10 - 134
2475498	Tebuconazole	97.3	60.4	P/P	10 - 133
2475498	Terbufos	85.5	92.6	P/P	65 - 151
2475498	Terbuthylazine	79.3	81.9	P/P	62 - 117
2475498	Tetradecachloro-m-terphenyl	66.4	62.7	P/P	10 - 260

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P443009

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475498	Thiobencarb	98.6	89.5	P/P	48 - 122
2475498	Tri-o-cresyl Phosphate	102	76.8	P/P	32 - 151
2475498	Triadimefon	91.5	80.1	P/P	46 - 124
2475498	Tris(1-chloro-2-propyl) phosphate (TCPP)	88.3	72.4	P/P	51 - 154
2475498	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	97.9	75.1	P/P	59 - 147
2475498	Tris(2-chloroethyl) phosphate (TCEP)	105	86.9	P/P	65 - 156

Reference Method: EPA 8270E
Batch ID: P443191

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475343	Aldrin	80.1	78.7	P/P	24 - 81.0
2475343	Alpha-BHC	96.1	95.8	P/P	65 - 110
2475343	Alpha-Chlordane	109	105	P/P	43 - 119
2475343	Beta-BHC	106	109	P/P	54 - 165
2475343	Beta-Cyfluthrin	122	131	P/P	27 - 165
2475343	Bifenthrin	99.9	101	P/P	17 - 117
2475343	Carbophenothion	106	106	P/P	21 - 108
2475343	Chlorothalonil	37.5	26.8	P/P	10 - 255
2475343	Cis-Nonachlor	77.5	82.0	P/P	34 - 98.0
2475343	Cypermethrin	115	125	P/P	25 - 143
2475343	Dacthal	96.6	98.6	P/P	55 - 139
2475343	DDD-p,p'	77.0	80.9	P/P	30 - 109
2475343	DDE-p,p'	79.3	86.5	P/P	35 - 106
2475343	DDT-p,p'	89.5	91.5	P/P	41 - 101
2475343	Delta-BHC	122	132	P/P	58 - 165
2475343	Deltamethrin	165	164	P/P	10 - 194
2475343	Dichlobenil	36.9	33.5	P/P	22 - 114
2475343	Dicofol	85.4	84.2	P/P	17 - 133
2475343	Dieldrin	125	128	P/P	45 - 129
2475343	Endosulfan I	82.9	87.1	P/P	49 - 104
2475343	Endosulfan II	75.4	80.4	P/P	37 - 117
2475343	Endosulfan Sulfate	93.9	96.8	P/P	38 - 128
2475343	Endrin	82.5	88.5	P/P	35 - 116
2475343	Endrin Aldehyde	53.4	55.0	P/P	19 - 108
2475343	Endrin Ketone	121	125	P/P	44 - 134
2475343	Esfenvalerate	128	130	P/P	27 - 176
2475343	Ethalfluralin	88.8	88.4	P/P	49 - 100
2475343	Fenpropathrin	93.2	104	P/P	34 - 117
2475343	Gamma-BHC	105	108	P/P	59 - 129
2475343	Gamma-Chlordane	90.9	90.4	P/P	33 - 107
2475343	Heptachlor	74.8	77.9	P/P	37 - 94.0
2475343	Heptachlor Epoxide	80.9	85.7	P/P	38 - 118
2475343	Hexachlorobenzene	91.1	90.5	P/P	35 - 97.0
2475343	Kepone	67.8	62.9	P/P	10 - 221
2475343	Lambda-Cyhalothrin	142	153	P/P	23 - 190
2475343	Methoprene	87.4	96.2	P/P	21 - 109
2475343	Methoxychlor	101	107	P/P	46 - 118
2475343	MGK-264	90.6	100	P/P	39 - 122
2475343	Mirex	81.6	85.8	P/P	25 - 90.0
2475343	Oxychlordane	80.0	77.5	P/P	42 - 100
2475343	Permethrin	126	132	P/P	33 - 181

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P443191

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475343	Phenothrin	113	109	P/P	12 - 125
2475343	Piperonyl Butoxide	149	155	P/P	10 - 178
2475343	Prallethrin	85.4	83.6	P/P	24 - 122
2475343	Tau-Fluvalinate	130	136	P/P	13 - 151
2475343	Tetramethrin	109	114	P/P	16 - 172
2475343	Trans-Nonachlor	92.8	90.3	P/P	39 - 100
2475343	Triclosan Methyl	82.5	91.4	P/P	43 - 110
2475343	Trifluralin	89.3	88.3	P/P	45 - 94.0
2475497	PCB-1016	77.4	69.6	P/P	45 - 107
2475497	PCB-1260	80.9	72.6	P/P	40 - 112

Reference Method: EPA 8276
Batch ID: P443191

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475497	Chlordane	81.1	79.1	P/P	43 - 123
2475497	Toxaphene	80.2	82.9	P/P	27 - 156

Reference Method: EPA 8321B
Batch ID: P442750

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475183	2,4-D	100	115	P/P	40 - 150
2475183	2,4,5-T	78.3	89.3	P/P	40 - 150
2475183	Acetaminophen	76.2	79.2	P/P	30 - 150
2475183	Acetamiprid	84.5	93.7	P/P	40 - 150
2475183	Afidopyropen	84.3	85.6	P/P	30 - 150
2475183	Bentazon	98.3	113	P/P	30 - 150
2475183	Benzovindiflupyr	86.1	94.7	P/P	40 - 150
2475183	Carbamazepine	78.1	82.9	P/P	40 - 150
2475183	Clothianidin	86.2	100	P/P	40 - 150
2475183	Dinotefuran	94.3	99.4	P/P	40 - 150
2475183	Diuron	84.8	82.2	P/P	40 - 150
2475183	Fenuron	85.0	96.7	P/P	40 - 150
2475183	Fluridone	87.4	99.1	P/P	40 - 150
2475183	Hydrocodone	87.3	95.2	P/P	40 - 150
2475183	Ibuprofen	57.8	51.0	P/P	40 - 150
2475183	Imazapyr	102	105	P/P	40 - 150
2475183	Imidacloprid	85.9	98.3	P/P	40 - 150
2475183	Linuron	77.6	92.8	P/P	40 - 150
2475183	Mandestrobin	90.2	96.9	P/P	40 - 150
2475183	MCPP	92.3	95.0	P/P	40 - 150
2475183	Naproxen	74.6	78.1	P/P	40 - 150
2475183	Primidone	82.4	91.5	P/P	40 - 150
2475183	Pyraclostrobin	86.8	95.9	P/P	40 - 150
2475183	Silvex	96.2	102	P/P	40 - 150
2475183	Thiamethoxam	90.3	96.8	P/P	40 - 150
2475183	Tolfenpyrad	53.9	60.9	P/P	30 - 150
2475183	Triclopyr	84.2	86.7	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P442848

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475501	Acesulfame K	101	102	P/P	40 - 150
2475501	AMPA	91.1	90.1	P/P	40 - 160
2475501	Endothall	88.5	85.1	P/P	40 - 160
2475501	Glufosinate	95.0	97.3	P/P	40 - 160
2475501	Glyphosate	93.8	98.8	P/P	40 - 160
2475501	Sucralose	99.2	101	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P442872

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2475338	3-Hydroxycarbofuran	68.6	60.5	P/P	40 - 150
2475338	Aldicarb	46.3	50.1	P/P	30 - 150
2475338	Aldicarb Sulfone	59.6	60.8	P/P	40 - 150
2475338	Aldicarb Sulfoxide	26.7	25.7	F/F	40 - 150
2475338	Carbaryl	65.2	58.2	P/P	40 - 150
2475338	Carbofuran	56.3	56.6	P/P	40 - 150
2475338	Methiocarb	81.8	68.7	P/P	40 - 150
2475338	Methomyl	61.7	61.5	P/P	40 - 150
2475338	Oxamyl	65.9	65.9	P/P	40 - 150
2475338	Propoxur	48.1	41.5	P/P	40 - 150

Reference Method: SM 4500-F- C-2011
Batch ID: P443081

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2472303	Fluoride	98.7	100	P/P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P443564

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2477263	Organic Carbon	95.4	94.0	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P442824

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475297	Color (true)	3.82	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P442834

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475300	Turbidity	8.22	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P442940

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2476028	Calcium	1.22	Spike	P	0 - 20
2476028	Iron	0.0659	Spike	P	0 - 20
2476028	Magnesium	2.13	Spike	P	0 - 20
2476028	Potassium	2.25	Spike	P	0 - 20
2476028	Sodium	3.75	Spike	P	0 - 20
2476028	Strontium	0.495	Spike	P	0 - 20
2476028	Tin	1.65	Spike	P	0 - 20
2476028	Titanium	0.545	Spike	P	0 - 20
2476028	Vanadium	1.26	Spike	P	0 - 20
2476028	Zinc	0.349	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P442940

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2476028	Aluminum	2.03	Spike	P	0 - 20
2476028	Antimony	0.375	Spike	P	0 - 20
2476028	Arsenic	1.06	Spike	P	0 - 20
2476028	Barium	0.702	Spike	P	0 - 20
2476028	Beryllium	3.32	Spike	P	0 - 20
2476028	Boron	0.702	Spike	P	0 - 20
2476028	Cadmium	4.65	Spike	P	0 - 20
2476028	Chromium	0.275	Spike	P	0 - 20
2476028	Cobalt	2.10	Spike	P	0 - 20
2476028	Copper	5.38	Spike	P	0 - 20
2476028	Lead	1.13	Spike	P	0 - 20
2476028	Manganese	1.10	Spike	P	0 - 20
2476028	Molybdenum	0.631	Spike	P	0 - 20
2476028	Nickel	0.0196	Spike	P	0 - 20
2476028	Selenium	1.41	Spike	P	0 - 20
2476028	Silver	0.239	Spike	P	0 - 20
2476028	Thallium	1.24	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443172

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475451	Chloride	2.69	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P443176

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475451	Sulfate	2.01	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P443147

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475159	Ammonia-N	0.553	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P443651

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2478802	Kjeldahl Nitrogen	3.88	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P443142

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2474021	NO2NO3-N	1.02	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P443107

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475996	Total-P	1.49	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P443009

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475498	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	43.9	Spike	F	0 - 30
2475498	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	7.27	Spike	P	0 - 35
2475498	Acetochlor	7.03	Spike	P	0 - 28
2475498	Alachlor	3.45	Spike	P	0 - 30
2475498	Ametryn	6.52	Spike	P	0 - 32
2475498	Atrazine	2.97	Spike	P	0 - 33
2475498	Atrazine Desethyl	1.37	Spike	P	0 - 36
2475498	Avobenzone	7.31	Spike	P	0 - 35
2475498	Azinphos Methyl	0.770	Spike	P	0 - 62

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P443009

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475498	Azoxystrobin	13.9	Spike	P	0 - 39
2475498	Bromacil	10.6	Spike	P	0 - 33
2475498	Butylate	9.35	Spike	P	0 - 51
2475498	Caffeine	13.2	Spike	P	0 - 100
2475498	Carbophenothion	24.2	Spike	P	0 - 34
2475498	Carfentrazone Ethyl	25.5	Spike	P	0 - 33
2475498	Chlorfenapyr	3.01	Spike	P	0 - 28
2475498	Chlorpyrifos Ethyl	0.367	Spike	P	0 - 31
2475498	Chlorpyrifos Methyl	0.971	Spike	P	0 - 27
2475498	Coumaphos	4.96	Spike	P	0 - 62
2475498	Cyanazine	2.59	Spike	P	0 - 48
2475498	Cyprodinil	23.6	Spike	P	0 - 29
2475498	Dechlorane 602	18.1	Spike	P	0 - 60
2475498	Dechlorane 603	22.6	Spike	P	0 - 40
2475498	Dechlorane Plus	18.0	Spike	P	0 - 38
2475498	Demeton	2.42	Spike	P	0 - 33
2475498	Diazinon	14.9	Spike	P	0 - 32
2475498	Difenoconazole	14.4	Spike	P	0 - 71
2475498	Dimethenamid	0.599	Spike	P	0 - 60
2475498	Dimethomorph	31.3	Spike	P	0 - 61
2475498	Disulfoton	10.9	Spike	P	0 - 30
2475498	Dithiopyr	8.23	Spike	P	0 - 28
2475498	EPTC	7.67	Spike	P	0 - 56
2475498	Ethion	22.8	Spike	P	0 - 79
2475498	Ethoprop	2.45	Spike	P	0 - 31
2475498	Etridiazole	19.9	Spike	P	0 - 43
2475498	Fenamiphos	0.825	Spike	P	0 - 43
2475498	Fenbuconazole	11.4	Spike	P	0 - 79
2475498	Fipronil	29.7	Spike	P	0 - 46
2475498	Fipronil Desulfinyl	32.8	Spike	P	0 - 36
2475498	Fipronil Sulfide	3.03	Spike	P	0 - 34
2475498	Fipronil Sulfone	15.2	Spike	P	0 - 47
2475498	Fluazifop-P-butyl	10.2	Spike	P	0 - 38
2475498	Fludioxonil	3.42	Spike	P	0 - 29
2475498	Flumioxazin	9.71	Spike	P	0 - 63
2475498	Flutolanil	0.574	Spike	P	0 - 36
2475498	Fluxapyroxad	18.4	Spike	P	0 - 65
2475498	Fonofos	3.67	Spike	P	0 - 35
2475498	Hexabromobenzene	18.6	Spike	P	0 - 41
2475498	Hexazinone	4.64	Spike	P	0 - 31
2475498	Imazalil	10.4	Spike	P	0 - 52
2475498	Iprodione	23.1	Spike	P	0 - 49
2475498	Loratadine	4.13	Spike	P	0 - 59
2475498	Malathion	3.97	Spike	P	0 - 77
2475498	Metalaxyl	3.05	Spike	P	0 - 76
2475498	Metolachlor	4.13	Spike	P	0 - 29
2475498	Metribuzin	6.97	Spike	P	0 - 51
2475498	Mevinphos	2.70	Spike	P	0 - 31
2475498	Molinate	6.19	Spike	P	0 - 39
2475498	Myclobutanil	4.63	Spike	P	0 - 34
2475498	Naled	7.57	Spike	P	0 - 37

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P443009

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475498	Napropamide	20.7	Spike	P	0 - 100
2475498	Norflurazon	26.9	Spike	P	0 - 54
2475498	Octinoxate	3.84	Spike	P	0 - 35
2475498	Oxadiazon	4.86	Spike	P	0 - 34
2475498	Oxybenzone	8.50	Spike	P	0 - 35
2475498	Oxyfluorfen	0.402	Spike	P	0 - 28
2475498	Parathion Ethyl	9.13	Spike	P	0 - 31
2475498	Parathion Methyl	17.1	Spike	P	0 - 29
2475498	PBB-153	9.27	Spike	P	0 - 49
2475498	PBDE-47	14.6	Spike	P	0 - 36
2475498	PBDE-99	14.4	Spike	P	0 - 46
2475498	Pendimethalin	8.28	Spike	P	0 - 31
2475498	Pentabromotoluene	2.92	Spike	P	0 - 16
2475498	Phenytoin	41.4	Spike	P	0 - 100
2475498	Phorate	2.99	Spike	P	0 - 36
2475498	Prodiamine	5.62	Spike	P	0 - 68
2475498	Prometon	6.42	Spike	P	0 - 35
2475498	Prometryn	13.9	Spike	P	0 - 33
2475498	Pronamide	10.4	Spike	P	0 - 24
2475498	Propanil	16.0	Spike	P	0 - 28
2475498	Propargite	36.8	Spike	P	0 - 53
2475498	Propiconazole	3.15	Spike	P	0 - 44
2475498	Pyraflufen Ethyl	8.81	Spike	P	0 - 61
2475498	Pyridaben	5.57	Spike	P	0 - 43
2475498	Pyriproxyfen	29.0	Spike	P	0 - 82
2475498	Simazine	1.93	Spike	P	0 - 29
2475498	Stirophos	23.4	Spike	P	0 - 100
2475498	Sulfentrazone	11.0	Spike	P	0 - 64
2475498	Tebuconazole	46.7	Spike	P	0 - 76
2475498	Terbufos	8.00	Spike	P	0 - 29
2475498	Terbuthylazine	3.23	Spike	P	0 - 28
2475498	Tetradecachloro-m-terphenyl	5.68	Spike	P	0 - 42
2475498	Thiobencarb	9.68	Spike	P	0 - 26
2475498	Tri-o-cresyl Phosphate	28.2	Spike	F	0 - 24
2475498	Triadimefon	12.0	Spike	P	0 - 40
2475498	Tris(1-chloro-2-propyl) phosphate (TCPP)	16.6	Spike	P	0 - 30
2475498	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	24.7	Spike	F	0 - 22
2475498	Tris(2-chloroethyl) phosphate (TCEP)	19.0	Spike	F	0 - 15

Reference Method: EPA 8270E
Batch ID: P443191

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475343	Aldrin	1.83	Spike	P	0 - 41
2475343	Alpha-BHC	0.309	Spike	P	0 - 25
2475343	Alpha-Chlordane	3.44	Spike	P	0 - 32
2475343	Beta-BHC	3.56	Spike	P	0 - 33
2475343	Beta-Cyfluthrin	6.90	Spike	P	0 - 43
2475343	Bifenthrin	0.642	Spike	P	0 - 52
2475343	Carbophenothion	0.158	Spike	P	0 - 49

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P443191

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475343	Chlorothalonil	33.3	Spike	P	0 - 82
2475343	Cis-Nonachlor	5.66	Spike	P	0 - 33
2475343	Cypermethrin	7.95	Spike	P	0 - 51
2475343	Dacthal	2.06	Spike	P	0 - 27
2475343	DDD-p,p'	4.94	Spike	P	0 - 39
2475343	DDE-p,p'	8.70	Spike	P	0 - 31
2475343	DDT-p,p'	2.24	Spike	P	0 - 29
2475343	Delta-BHC	7.30	Spike	P	0 - 35
2475343	Deltamethrin	0.586	Spike	P	0 - 100
2475343	Dichlobenil	9.71	Spike	P	0 - 40
2475343	Dicofol	1.35	Spike	P	0 - 37
2475343	Dieldrin	2.33	Spike	P	0 - 27
2475343	Endosulfan I	4.97	Spike	P	0 - 23
2475343	Endosulfan II	6.38	Spike	P	0 - 34
2475343	Endosulfan Sulfate	3.04	Spike	P	0 - 36
2475343	Endrin	6.94	Spike	P	0 - 45
2475343	Endrin Aldehyde	2.99	Spike	P	0 - 76
2475343	Endrin Ketone	2.75	Spike	P	0 - 43
2475343	Esfenvalerate	1.62	Spike	P	0 - 51
2475343	Ethalfluralin	0.464	Spike	P	0 - 22
2475343	Fenpropathrin	10.9	Spike	P	0 - 49
2475343	Gamma-BHC	2.43	Spike	P	0 - 28
2475343	Gamma-Chlordane	0.566	Spike	P	0 - 40
2475343	Heptachlor	4.01	Spike	P	0 - 29
2475343	Heptachlor Epoxide	5.69	Spike	P	0 - 33
2475343	Hexachlorobenzene	0.622	Spike	P	0 - 36
2475343	Kepone	7.45	Spike	P	0 - 85
2475343	Lambda-Cyhalothrin	6.90	Spike	P	0 - 55
2475343	Methoprene	9.65	Spike	P	0 - 53
2475343	Methoxychlor	5.06	Spike	P	0 - 50
2475343	MGK-264	9.95	Spike	P	0 - 43
2475343	Mirex	4.99	Spike	P	0 - 40
2475343	Oxychlordane	3.21	Spike	P	0 - 31
2475343	Permethrin	4.43	Spike	P	0 - 50
2475343	Phenothrin	3.68	Spike	P	0 - 58
2475343	Piperonyl Butoxide	4.12	Spike	P	0 - 100
2475343	Prallethrin	2.08	Spike	P	0 - 39
2475343	Tau-Fluvalinate	4.08	Spike	P	0 - 54
2475343	Tetramethrin	4.54	Spike	P	0 - 51
2475343	Trans-Nonachlor	2.74	Spike	P	0 - 39
2475343	Triclosan Methyl	10.3	Spike	P	0 - 31
2475343	Trifluralin	1.14	Spike	P	0 - 22
2475497	PCB-1016	10.5	Spike	P	0 - 25
2475497	PCB-1260	10.7	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P443191

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475497	Chlordane	2.57	Spike	P	0 - 28

Quality Assurance Report
Precision

Reference Method: EPA 8276
Batch ID: P443191

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475497	Toxaphene	3.28	Spike	P	0 - 27

Reference Method: EPA 8321B
Batch ID: P442750

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475183	2,4-D	14.1	Spike	P	0 - 30
2475183	2,4,5-T	13.2	Spike	P	0 - 30
2475183	Acetaminophen	2.86	Spike	P	0 - 30
2475183	Acetamiprid	10.4	Spike	P	0 - 30
2475183	Afidopyropen	1.55	Spike	P	0 - 30
2475183	Bentazon	14.2	Spike	P	0 - 30
2475183	Benzovindiflupyr	9.58	Spike	P	0 - 30
2475183	Carbamazepine	5.90	Spike	P	0 - 30
2475183	Clothianidin	15.2	Spike	P	0 - 30
2475183	Dinotefuran	5.26	Spike	P	0 - 30
2475183	Diuron	3.16	Spike	P	0 - 30
2475183	Fenuron	12.8	Spike	P	0 - 30
2475183	Fluridone	12.5	Spike	P	0 - 30
2475183	Hydrocodone	8.61	Spike	P	0 - 30
2475183	Ibuprofen	12.5	Spike	P	0 - 30
2475183	Imazapyr	2.68	Spike	P	0 - 30
2475183	Imidacloprid	13.5	Spike	P	0 - 30
2475183	Linuron	17.8	Spike	P	0 - 30
2475183	Mandestrobin	7.13	Spike	P	0 - 30
2475183	MCPP	2.91	Spike	P	0 - 30
2475183	Naproxen	4.64	Spike	P	0 - 30
2475183	Primidone	10.5	Spike	P	0 - 30
2475183	Pyraclostrobin	9.95	Spike	P	0 - 30
2475183	Silvex	6.09	Spike	P	0 - 30
2475183	Thiamethoxam	6.95	Spike	P	0 - 30
2475183	Tolfenpyrad	12.2	Spike	P	0 - 30
2475183	Triclopyr	2.93	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P442848

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475501	Acesulfame K	0.851	Spike	P	0 - 30
2475501	AMPA	1.05	Spike	P	0 - 30
2475501	Endothall	3.90	Spike	P	0 - 30
2475501	Glufosinate	2.32	Spike	P	0 - 30
2475501	Glyphosate	5.18	Spike	P	0 - 30
2475501	Sucralose	2.05	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P442872

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475338	3-Hydroxycarbofuran	12.4	Spike	P	0 - 30
2475338	Aldicarb	7.85	Spike	P	0 - 30
2475338	Aldicarb Sulfone	2.03	Spike	P	0 - 30
2475338	Aldicarb Sulfoxide	3.82	Spike	P	0 - 30
2475338	Carbaryl	10.6	Spike	P	0 - 30
2475338	Carbofuran	0.557	Spike	P	0 - 30
2475338	Methiocarb	17.4	Spike	P	0 - 30
2475338	Methomyl	0.184	Spike	P	0 - 30
2475338	Oxamyl	0.0519	Spike	P	0 - 30
2475338	Propoxur	14.6	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P443078

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475379	Total Alkalinity	3.82	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P443283

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2475292	TDS	4.21	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P443081

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2472303	Fluoride	0.960	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P443564

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2477263	Organic Carbon	1.10	Spike	P	0 - 15

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2475338
Field Sample ID: G3SD0066

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	64.6	P	30 - 160

Lab Sample ID: 2475339
Field Sample ID: G3SD0066

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	73.2	P	30 - 160
EPA 8321B	Acetaminophen-d4	63.0	P	30 - 160
EPA 8321B	Carbamazepine-d10	55.8	P	30 - 160
EPA 8321B	Diuron-d6	62.1	P	30 - 160
EPA 8321B	Endothall-d6	83.0	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	31.4	P	30 - 160
EPA 8321B	Ibuprofen-d3	70.6	P	30 - 160
EPA 8321B	Primidone-d5	69.6	P	30 - 160
EPA 8321B	Sucralose-d6	46.8	P	30 - 160

Lab Sample ID: 2475340
Field Sample ID: G3SD0103

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	81.6	P	30 - 160
EPA 8321B	Acetaminophen-d4	68.6	P	30 - 160
EPA 8321B	Carbamazepine-d10	63.2	P	30 - 160
EPA 8321B	Diuron-d6	66.7	P	30 - 160
EPA 8321B	Endothall-d6	92.4	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	96.4	P	30 - 160
EPA 8321B	Ibuprofen-d3	64.1	P	30 - 160
EPA 8321B	Primidone-d5	73.9	P	30 - 160
EPA 8321B	Sucralose-d6	83.6	P	30 - 160

Lab Sample ID: 2475341
Field Sample ID: G2SD0026

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	79.1	P	30 - 160
EPA 8321B	Acetaminophen-d4	76.5	P	30 - 160
EPA 8321B	Carbamazepine-d10	66.5	P	30 - 160
EPA 8321B	Diuron-d6	67.0	P	30 - 160
EPA 8321B	Endothall-d6	100	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	94.3	P	30 - 160
EPA 8321B	Ibuprofen-d3	70.2	P	30 - 160
EPA 8321B	Primidone-d5	85.0	P	30 - 160
EPA 8321B	Sucralose-d6	77.2	P	30 - 160

Lab Sample ID: 2475342
Field Sample ID: G2SD0025

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	80.5	P	30 - 160
EPA 8321B	Acetaminophen-d4	76.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	67.0	P	30 - 160
EPA 8321B	Diuron-d6	72.8	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2475342
Field Sample ID: G2SD0025

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Endothall-d6	88.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	81.9	P	30 - 160
EPA 8321B	Ibuprofen-d3	68.3	P	30 - 160
EPA 8321B	Primidone-d5	90.9	P	30 - 160
EPA 8321B	Sucralose-d6	55.8	P	30 - 160

Lab Sample ID: 2475343
Field Sample ID: G3SD0066

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	94.0	P	37 - 129
EPA 8270E	Decachlorobiphenyl	96.3	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	74.3	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	77.1	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	83.8	P	23 - 110
EPA 8276	PCNB	98.3	P	51 - 130

Lab Sample ID: 2475344
Field Sample ID: G3SD0066

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	80.6	P	20 - 200
EPA 8270E	Simazine-d10	88.5	P	58 - 137
EPA 8270E	Terbufos-d10	74.0	P	50 - 134
EPA 8270E	Terphenyl-d14	82.7	P	44 - 134

Lab Sample ID: 2475345
Field Sample ID: G3SD0103

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	79.5	P	37 - 129
EPA 8270E	Decachlorobiphenyl	85.4	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	54.1	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	57.2	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	74.8	P	23 - 110
EPA 8276	PCNB	91.8	P	51 - 130

Lab Sample ID: 2475346
Field Sample ID: G2SD0026

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	79.8	P	37 - 129
EPA 8270E	Decachlorobiphenyl	92.8	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	57.0	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	64.2	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	86.0	P	23 - 110
EPA 8276	PCNB	99.3	P	51 - 130

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A124761
Included Lab Sample IDs: 2475311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	96.6	101	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A124766
Included Lab Sample IDs: 2475311

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

Reference Method: EPA 8321B
Run ID: A124796
Included Lab Sample IDs: 2475339, 2475340, 2475341, 2475342

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	92.9	107	P/P	60 - 160
Endothall	90.7	89.2	P/P	60 - 160
Glufosinate	92.9	97.3	P/P	60 - 160
Glyphosate	95.4	105	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A124818
Included Lab Sample IDs: 2475339, 2475340, 2475341, 2475342

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	102	117	P/P	60 - 160
Sucralose	98.9	109	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A124832
Included Lab Sample IDs: 2475339, 2475340, 2475341, 2475342

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	100	91.2	P/P	50 - 150
2,4-D	103	100	P/P	50 - 150
2,4,5-T	82.1	86.1	P/P	50 - 150
2,4,5-T	98.3	82.1	P/P	50 - 150
Acetaminophen	112	113	P/P	60 - 160
Acetaminophen	115	112	P/P	60 - 160
Acetamiprid	115	120	P/P	50 - 150
Acetamiprid	120	116	P/P	50 - 150
Afidopyropen	106	109	P/P	50 - 150
Afidopyropen	121	106	P/P	50 - 150
Bentazon	110	107	P/P	50 - 160
Bentazon	112	110	P/P	50 - 160
Benzovindiflupyr	108	100	P/P	50 - 150
Benzovindiflupyr	111	108	P/P	50 - 150
Carbamazepine	107	113	P/P	60 - 150
Carbamazepine	113	113	P/P	60 - 150
Clothianidin	110	109	P/P	60 - 150
Clothianidin	111	110	P/P	60 - 150
Dinotefuran	108	110	P/P	50 - 150

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A124832
Included Lab Sample IDs: 2475339, 2475340, 2475341, 2475342

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Dinotefuran	112	108	P/P	50 - 150
Diuron	113	124	P/P	60 - 160
Diuron	117	113	P/P	60 - 160
Fenuron	109	107	P/P	60 - 150
Fenuron	109	109	P/P	60 - 150
Fluridone	105	108	P/P	60 - 160
Fluridone	108	114	P/P	60 - 160
Hydrocodone	111	112	P/P	60 - 150
Hydrocodone	112	111	P/P	60 - 150
Ibuprofen	105	93.9	P/P	50 - 160
Ibuprofen	93.9	63.8	P/P	50 - 160
Imazapyr	89.9	96.9	P/P	50 - 150
Imazapyr	96.9	95.6	P/P	50 - 150
Imidacloprid	100	107	P/P	60 - 150
Imidacloprid	109	100	P/P	60 - 150
Linuron	100	108	P/P	60 - 150
Linuron	108	110	P/P	60 - 150
Mandestrobin	108	112	P/P	50 - 150
Mandestrobin	112	108	P/P	50 - 150
MCPP	102	90.5	P/P	50 - 150
MCPP	103	102	P/P	50 - 150
Naproxen	80.7	101	P/P	50 - 160
Naproxen	82.9	80.7	P/P	50 - 160
Primidone	104	103	P/P	60 - 150
Primidone	107	104	P/P	60 - 150
Pyraclostrobin	108	107	P/P	60 - 150
Pyraclostrobin	110	108	P/P	60 - 150
Silvex	101	105	P/P	50 - 150
Silvex	105	88.0	P/P	50 - 150
Thiamethoxam	123	126	P/P	50 - 150
Thiamethoxam	128	123	P/P	50 - 150
Tolfenpyrad	101	107	P/P	60 - 150
Tolfenpyrad	105	101	P/P	60 - 150
Triclopyr	106	97.1	P/P	50 - 150
Triclopyr	97.1	95.3	P/P	50 - 150

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A124845
Included Lab Sample IDs: 2475347

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Calcium	101	100	P/P	90 - 110
Iron	98.9	99.0	P/P	90 - 110
Magnesium	98.8	98.2	P/P	90 - 110
Potassium	104	105	P/P	90 - 110
Sodium	102	103	P/P	90 - 110
Strontium	102	102	P/P	90 - 110
Tin	101	101	P/P	90 - 110
Titanium	101	101	P/P	90 - 110
Vanadium	99.1	96.2	P/P	90 - 110
Zinc	102	102	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A124847
Included Lab Sample IDs: 2475347

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	104	104	P/P	90 - 110
Antimony	102	100	P/P	90 - 110
Arsenic	100	100	P/P	90 - 110
Barium	104	104	P/P	90 - 110
Beryllium	100	98.5	P/P	90 - 110
Boron	98.7	99.6	P/P	90 - 110
Cadmium	101	99.9	P/P	90 - 110
Chromium	102	103	P/P	90 - 110
Cobalt	103	103	P/P	90 - 110
Copper	102	102	P/P	90 - 110
Lead	95.3	95.4	P/P	90 - 110
Manganese	103	102	P/P	90 - 110
Molybdenum	99.6	100	P/P	90 - 110
Nickel	102	102	P/P	90 - 110
Selenium	104	102	P/P	90 - 110
Silver	100	99.5	P/P	90 - 110
Thallium	99.1	99.5	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A124874
Included Lab Sample IDs: 2475311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.9	95.0	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A124874
Included Lab Sample IDs: 2475311

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A124891
Included Lab Sample IDs: 2475312

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	96.3	98.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A124899
Included Lab Sample IDs: 2475312

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	99.0	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A124913
Included Lab Sample IDs: 2475311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits

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Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A124913
Included Lab Sample IDs: 2475311

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	104	101	P/P	90 - 110
Sulfate	104	102	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A124914
Included Lab Sample IDs: 2475338

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	104	101	P/P	60 - 150
Aldicarb	119	101	P/P	60 - 150
Aldicarb Sulfone	105	94.3	P/P	50 - 150
Aldicarb Sulfoxide	101	95.0	P/P	50 - 150
Carbaryl	109	98.9	P/P	60 - 150
Carbofuran	111	100	P/P	50 - 150
Imazapyr	105	109	P/P	50 - 150
Methiocarb	105	96.0	P/P	50 - 150
Methomyl	110	102	P/P	50 - 150
Oxamyl	105	99.2	P/P	50 - 150
Propoxur	107	101	P/P	50 - 150

Reference Method: EPA 8270E
Run ID: A124930
Included Lab Sample IDs: 2475343, 2475345, 2475346

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	102		P	80 - 120
PCB-1260	101		P	80 - 120

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A124942
Included Lab Sample IDs: 2475312

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.5	98.2	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A124958
Included Lab Sample IDs: 2475344

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	92.9		P	80 - 120
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	96.3		P	80 - 120
Avobenzone	96.7		P	80 - 120
Dechlorane 602	95.9		P	80 - 120
Dechlorane 603	91.9		P	80 - 120
Dechlorane Plus	94.5		P	80 - 120
Hexabromobenzene	101		P	80 - 120
Octinoxate	99.2		P	80 - 120
Oxybenzone	100		P	80 - 120
PBB-153	93.0		P	80 - 120
PBDE-47	94.9		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A124958
Included Lab Sample IDs: 2475344

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PBDE-99	96.9		P	80 - 120
Pentabromotoluene	96.3		P	80 - 120
Tetradecachloro-m-terphenyl	90.2		P	80 - 120
Tri-o-cresyl Phosphate	93.2		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	95.2		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	89.7		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	93.5		P	80 - 120

Reference Method: EPA 8270E
Run ID: A124962
Included Lab Sample IDs: 2475343, 2475345, 2475346

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	101		P	80 - 120
Alpha-BHC	101		P	80 - 120
Alpha-Chlordane	105		P	80 - 120
Beta-BHC	103		P	80 - 120
Beta-Cyfluthrin	99.5		P	80 - 120
Bifenthrin	98.2		P	80 - 120
Carbophenothion	108		P	80 - 120
Chlorothalonil	104		P	80 - 120
Cis-Nonachlor	95.5		P	80 - 120
Cypermethrin	93.7		P	80 - 120
Dacthal	99.2		P	80 - 120
DDD-p,p'	98.7		P	80 - 120
DDE-p,p'	96.1		P	80 - 120
DDT-p,p'	94.4		P	80 - 120
Delta-BHC	106		P	80 - 120
Deltamethrin	98.9		P	80 - 120
Dichlobenil	99.1		P	80 - 120
Dicofol	93.5		P	80 - 120
Dieldrin	103		P	80 - 120
Endosulfan I	98.2		P	80 - 120
Endosulfan II	94.3		P	80 - 120
Endosulfan Sulfate	107		P	80 - 120
Endrin	96.5		P	80 - 120
Endrin Aldehyde	99.9		P	80 - 120
Endrin Ketone	105		P	80 - 120
Esfenvalerate	97.2		P	80 - 120
Ethalfluralin	108		P	80 - 120
Fenpropathrin	100		P	80 - 120
Gamma-BHC	105		P	80 - 120
Gamma-Chlordane	99.8		P	80 - 120
Heptachlor	99.8		P	80 - 120
Heptachlor Epoxide	95.3		P	80 - 120
Hexachlorobenzene	102		P	80 - 120
Kepone	89.0		P	80 - 120
Lambda-Cyhalothrin	109		P	80 - 120
Methoprene	98.9		P	80 - 120
Methoxychlor	102		P	80 - 120
MGK-264	94.8		P	80 - 120

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Calibration Verification

Reference Method: EPA 8270E
Run ID: A124962
Included Lab Sample IDs: 2475343, 2475345, 2475346

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Mirex	98.9		P	80 - 120
Oxychlordane	99.5		P	80 - 120
Permethrin	96.6		P	80 - 120
Phenothrin	101		P	80 - 120
Piperonyl Butoxide	103		P	80 - 120
Prallethrin	98.1		P	80 - 120
Tau-Fluvalinate	98.7		P	80 - 120
Tetramethrin	104		P	80 - 120
Trans-Nonachlor	99.0		P	80 - 120
Triclosan Methyl	95.1		P	80 - 120
Trifluralin	101		P	80 - 120

Reference Method: EPA 8276
Run ID: A124968
Included Lab Sample IDs: 2475343, 2475345, 2475346

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	95.5		P	80 - 120
Chlordane	98.8		P	80 - 120
Toxaphene	103		P	80 - 120
Toxaphene	109		P	80 - 120

Reference Method: EPA 8270E
Run ID: A124983
Included Lab Sample IDs: 2475344

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	85.8		P	80 - 120
Alachlor	80.3		P	80 - 120
Ametryn	101		P	80 - 120
Atrazine Desethyl	101		P	80 - 120
Azinphos Methyl	119		P	80 - 120
Azoxystrobin	97.3		P	80 - 120
Bromacil	97.2		P	80 - 120
Butylate	97.9		P	80 - 120
Caffeine	86.9		P	80 - 120
Carbophenothion	99.6		P	80 - 120
Carfentrazone Ethyl	105		P	80 - 120
Chlorfenapyr	86.0		P	80 - 120
Chlorpyrifos Ethyl	83.5		P	80 - 120
Chlorpyrifos Methyl	87.8		P	80 - 120
Coumaphos	107		P	80 - 120
Cyanazine	97.1		P	80 - 120
Cyprodinil	103		P	80 - 120
Demeton	99.1		P	80 - 120
Diazinon	94.6		P	80 - 120
Difenoconazole	101		P	80 - 120
Dimethenamid	98.2		P	80 - 120
Dimethomorph	86.2		P	80 - 120
Disulfoton	100		P	80 - 120
Dithiopyr	101		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A124983
Included Lab Sample IDs: 2475344

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
EPTC	99.7		P	80 - 120
Ethion	89.1		P	80 - 120
Ethoprop	95.7		P	80 - 120
Etridiazole	108		P	80 - 120
Fenamiphos	88.4		P	80 - 120
Fenbuconazole	89.6		P	80 - 120
Fipronil	87.7		P	80 - 120
Fipronil Desulfinyl	100		P	80 - 120
Fipronil Sulfide	89.2		P	80 - 120
Fipronil Sulfone	92.4		P	80 - 120
Fluazifop-P-butyl	84.1		P	80 - 120
Fludioxonil	114		P	80 - 120
Flumioxazin	104		P	80 - 120
Flutolanil	98.2		P	80 - 120
Fluxapyroxad	96.9		P	80 - 120
Fonofos	90.9		P	80 - 120
Hexazinone	97.0		P	80 - 120
Imazalil	98.4		P	80 - 120
Iprodione	92.7		P	80 - 120
Loratadine	87.3		P	80 - 120
Malathion	85.4		P	80 - 120
Metalaxyl	87.3		P	80 - 120
Metolachlor	98.7		P	80 - 120
Metribuzin	105		P	80 - 120
Mevinphos	97.9		P	80 - 120
Molinate	90.0		P	80 - 120
Myclobutanil	84.6		P	80 - 120
Naled	95.0		P	80 - 120
Napropamide	96.3		P	80 - 120
Norflurazon	98.0		P	80 - 120
Oxadiazon	95.0		P	80 - 120
Oxyfluorfen	107		P	80 - 120
Parathion Ethyl	99.8		P	80 - 120
Parathion Methyl	82.7		P	80 - 120
Pendimethalin	99.8		P	80 - 120
Phenytoin	103		P	80 - 120
Phorate	103		P	80 - 120
Prodiamine	120		P	80 - 120
Prometon	102		P	80 - 120
Prometryn	87.7		P	80 - 120
Pronamide	98.4		P	80 - 120
Propanil	99.0		P	80 - 120
Propargite	91.4		P	80 - 120
Propiconazole	81.4		P	80 - 120
Pyraflufen Ethyl	100		P	80 - 120
Pyridaben	102		P	80 - 120
Pyriproxyfen	95.7		P	80 - 120
Simazine	87.6		P	80 - 120
Stirophos	105		P	80 - 120
Sulfentrazone	104		P	80 - 120
Tebuconazole	98.1		P	80 - 120

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Calibration Verification

Reference Method: EPA 8270E
Run ID: A124983
Included Lab Sample IDs: 2475344

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Terbufos	96.6		P	80 - 120
Terbuthylazine	84.3		P	80 - 120
Thiobencarb	99.5		P	80 - 120
Triadimefon	102		P	80 - 120

Reference Method: EPA 8270E
Run ID: A124984
Included Lab Sample IDs: 2475344

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	91.5		P	80 - 120

Reference Method: SM 5310 B-2014
Run ID: A125084
Included Lab Sample IDs: 2475312

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	124	100	P/P	70 - 130

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125193
Included Lab Sample IDs: 2475312

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	93.9	99.2	P/P	90 - 110

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	95.1				3.82	
EPA 180.1 Rev. 2.0	Turbidity	103				8.22	
EPA 200.7 Rev. 4.4	Calcium	102					1.22
	Iron	102	97.6	97.7			0.0659
	Magnesium	98.8					2.13
	Potassium	101					2.25
	Sodium	102					3.75
	Strontium	102					0.495
	Tin	99.1	77.9	79.2			1.65
	Titanium	101	101	100			0.545
	Vanadium	101	103	104			1.26
	Zinc	105	105	105			0.349
EPA 200.8 Rev. 5.4	Aluminum	104	108	110			2.03
	Antimony	107	105	105			0.375
	Arsenic	100	108	109			1.06
	Barium	106	103	104			0.702
	Beryllium	98.6	93.1	90.1			3.32
	Boron	107	111	117			0.702
	Cadmium	105	94.8	99.4			4.65
	Chromium	107	99.2	99.5			0.275
	Cobalt	102	109	107			2.10
	Copper	97.8	104	111			5.38
	Lead	96.1	100	102			1.13
	Manganese	105	93.6	94.7			1.10
	Molybdenum	101	111	112			0.631
	Nickel	99.4	106	106			0.0196
	Selenium	103	104	103			1.41
	Silver	102	91.6	91.3			0.239
	Thallium	98.6	100	102			1.24
EPA 300.0 Rev. 2.1	Chloride	104	101	101		2.69	
	Sulfate	105	104	103		2.01	
EPA 350.1 Rev. 2.0	Ammonia-N	93.8	96.2	96.8			0.553
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	98.8	104	99.8			3.88
EPA 353.2 Rev. 2.0	NO2NO3-N	98.0	94.6	95.6			1.02
EPA 365.1 Rev. 2.0	Total-P	103	99.7	101			1.49
EPA 8270E	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	56.3	80.3	51.4			43.9
	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	81.4	86.5	80.4			7.27
	Acetochlor	92.6	88.1	82.1			7.03
	Alachlor	72.9	73.6	76.1			3.45
	Aldrin	64.8	80.1	78.7			1.83
	Alpha-BHC	100	96.1	95.8			0.309
	Alpha-Chlordane	102	109	105			3.44
	Ametryn	115	108	99.6			6.52
	Atrazine	91.9					2.97
	Atrazine Desethyl	83.0					1.37
	Avobenzone	106	124	115			7.31
	Azinphos Methyl	173	180	179			0.770
	Azoxystrobin	88.7	88.9	105			13.9
	Beta-BHC	113	106	109			3.56
	Beta-Cyfluthrin	85.7	122	131			6.90
	Bifenthrin	57.1	99.9	101			0.642

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Bromacil	92.9	96.4	81.4			10.6
	Butylate	53.5	51.5	56.6			9.35
	Caffeine	97.6	83.4	102			13.2
	Carbophenothion	124	110	86.3			24.2
	Carbophenothion	75.1	106	106			0.158
	Carfentrazone Ethyl	136	122	94.7			25.5
	Chlorfenapyr	90.3	103	100			3.01
	Chlorothalonil	75.9	37.5	26.8			33.3
	Chlorpyrifos Ethyl	77.5	75.5	75.8			0.367
	Chlorpyrifos Methyl	99.8	101	102			0.971
	Cis-Nonachlor	73.5	77.5	82.0			5.66
	Coumaphos	122	136	129			4.96
	Cyanazine	121	126	130			2.59
	Cypermethrin	81.3	115	125			7.95
	Cyprodinil	93.9	119	93.8			23.6
	Dacthal	104	96.6	98.6			2.06
	DDD-p,p'	81.9	77.0	80.9			4.94
	DDE-p,p'	77.6	79.3	86.5			8.70
	DDT-p,p'	80.7	89.5	91.5			2.24
	Dechlorane 602	70.3	68.1	56.9			18.1
	Dechlorane 603	70.8	66.1	52.7			22.6
	Dechlorane Plus	66.6	59.2	49.4			18.0
	Delta-BHC	115	122	132			7.30
	Deltamethrin	101	165	164			0.586
	Demeton	66.8	73.8	72.1			2.42
	Diazinon	105	101	86.9			14.9
	Dichlobenil	71.9	36.9	33.5			9.71
	Dicofol	79.7	85.4	84.2			1.35
	Dieldrin	107	125	128			2.33
	Difenoconazole	155	164	189			14.4
	Dimethenamid	101	93.4	92.8			0.599
	Dimethomorph	91.7	88.9	122			31.3
	Disulfoton	95.3	97.4	87.4			10.9
	Dithiopyr	85.4	98.2	89.5			8.23
	Endosulfan I	80.9	82.9	87.1			4.97
	Endosulfan II	80.0	75.4	80.4			6.38
	Endosulfan Sulfate	111	93.9	96.8			3.04
	Endrin	82.2	82.5	88.5			6.94
	Endrin Aldehyde	95.5	53.4	55.0			2.99
	Endrin Ketone	123	125	121			2.75
	EPTC	47.8	45.1	48.6			7.67
	Esfenvalerate	81.3	130	128			1.62
	Ethalfluralin	76.2	88.4	88.8			0.464
	Ethion	82.2	81.7	65.0			22.8
	Ethoprop	75.5	87.3	89.5			2.45
	Etridiazole	64.7	70.4	57.6			19.9
	Fenamiphos	95.5	73.8	73.2			0.825
	Fenbuconazole	98.4	98.8	88.1			11.4
	Fenpropathrin	77.5	104	93.2			10.9
	Fipronil	74.4	107	72.3			29.7
	Fipronil Desulfinyl	68.7	57.9	99.4			32.8
	Fipronil Sulfide	61.1	76.0	71.9			3.03
	Fipronil Sulfone	77.2					15.2
	Fluazifop-P-butyl	85.5	92.0	83.1			10.2

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Fludioxonil	94.5	94.4	97.7			3.42
	Flumioxazin	83.1	86.1	96.6			9.71
	Flutolanil	97.0	94.5	94.0			0.574
	Fluxapyroxad	97.6	96.7	78.1			18.4
	Fonofos	74.9	84.3	87.4			3.67
	Gamma-BHC	108	108	105			2.43
	Gamma-Chlordane	84.7	90.4	90.9			0.566
	Heptachlor	66.1	77.9	74.8			4.01
	Heptachlor Epoxide	78.4	85.7	80.9			5.69
	Hexabromobenzene	49.4	62.3	75.1			18.6
	Hexachlorobenzene	82.9	90.5	91.1			0.622
	Hexazinone	94.1	93.4	88.3			4.64
	Imazalil	86.8	94.8	85.4			10.4
	Iprodione	110	120	94.8			23.1
	Kepone	82.2	62.9	67.8			7.45
	Lambda-Cyhalothrin	86.2	153	142			6.90
	Loratadine	162	166	173			4.13
	Malathion	101	99.7	104			3.97
	Metalaxyl	81.3	82.9	80.4			3.05
	Methoprene	48.9	96.2	87.4			9.65
	Methoxychlor	97.1	107	101			5.06
	Metolachlor	91.1					4.13
	Metribuzin	68.6	93.7	87.4			6.97
	Mevinphos	83.0	92.8	95.3			2.70
	MGK-264	73.3	100	90.6			9.95
	Mirex	63.4	85.8	81.6			4.99
	Molinate	57.0	59.6	63.5			6.19
	Myclobutanil	80.5	93.4	86.7			4.63
	Naled	78.3	83.8	77.7			7.57
	Napropamide	87.8	101	82.3			20.7
	Norflurazon	111	104	79.5			26.9
	Octinoxate	76.8	78.6	81.6			3.84
	Oxadiazon	71.7	76.0	71.8			4.86
	Oxybenzone	87.1	88.1	95.9			8.50
	Oxychlordane	76.3	77.5	80.0			3.21
	Oxyfluorfen	112	112	112			0.402
	Parathion Ethyl	92.5	106	97.1			9.13
	Parathion Methyl	95.5	83.8	99.4			17.1
	PBB-153	70.7	81.0	73.8			9.27
	PBDE-47	75.0	81.3	70.3			14.6
	PBDE-99	77.9	83.8	72.6			14.4
	PCB-1016	74.8	77.4	69.6			10.5
	PCB-1260	78.2	80.9	72.6			10.7
	Pendimethalin	91.8	109	100			8.28
	Pentabromotoluene	68.4	72.5	74.7			2.92
	Permethrin	78.6	132	126			4.43
	Phenothrin	45.7	109	113			3.68
	Phenytoin	39.5	82.8	54.4			41.4
	Phorate	81.8	89.1	91.8			2.99
	Piperonyl Butoxide	97.2	155	149			4.12
	Prallethrin	72.7	83.6	85.4			2.08
	Prodiamine	39.3	70.6	65.6			5.62
	Prometon	93.0	118	110			6.42
	Prometryn	95.6	105	121			13.9

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Pronamide	108	110	99.0			10.4
	Propanil	110	118	100			16.0
	Propargite	86.7	88.9	61.3			36.8
	Propiconazole	85.7	96.4	91.0			3.15
	Pyraflufen Ethyl	91.8	87.2	79.8			8.81
	Pyridaben	138	151	143			5.57
	Pyriproxyfen	95.4	95.5	71.4			29.0
	Simazine	93.7					1.93
	Stirophos	104	114	90.4			23.4
	Sulfentrazone	61.4					11.0
	Tau-Fluvalinate	71.9	136	130			4.08
	Tebuconazole	81.4	97.3	60.4			46.7
	Terbufos	81.3	85.5	92.6			8.00
	Terbuthylazine	74.0	79.3	81.9			3.23
	Tetradecachloro-m-terphenyl	58.1	66.4	62.7			5.68
	Tetramethrin	80.2	114	109			4.54
	Thiobencarb	102	98.6	89.5			9.68
	Trans-Nonachlor	86.3	90.3	92.8			2.74
	Tri-o-cresyl Phosphate	74.3	102	76.8			28.2
	Triadimefon	94.9	91.5	80.1			12.0
	Triclosan Methyl	83.5	91.4	82.5			10.3
	Trifluralin	84.7	88.3	89.3			1.14
	Tris(1-chloro-2-propyl) phosphate (TCPP)	73.8	88.3	72.4			16.6
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	73.8	97.9	75.1			24.7
	Tris(2-chloroethyl) phosphate (TCEP)	79.8	105	86.9			19.0
EPA 8276	Chlordane	81.4	81.1	79.1			2.57
	Toxaphene	86.7	80.2	82.9			3.28
EPA 8321B	2,4-D	106	100	115			14.1
	2,4,5-T	93.0	78.3	89.3			13.2
	3-Hydroxycarbofuran	55.2	68.6	60.5			12.4
	Acesulfame K	100	101	102			0.851
	Acetaminophen	80.4	76.2	79.2			2.86
	Acetamiprid	84.2	84.5	93.7			10.4
	Afidopyropen	68.3	84.3	85.6			1.55
	Aldicarb	47.5	46.3	50.1			7.85
	Aldicarb Sulfone	80.2	59.6	60.8			2.03
	Aldicarb Sulfoxide	103	26.7	25.7			3.82
	AMPA	98.6	91.1	90.1			1.05
	Bentazon	115	98.3	113			14.2
	Benzovindiflupyr	89.9	86.1	94.7			9.58
	Carbamazepine	81.9	78.1	82.9			5.90
	Carbaryl	77.6	65.2	58.2			10.6
	Carbofuran	73.7	56.3	56.6			0.557
	Clothianidin	96.6	86.2	100			15.2
	Dinotefuran	101	94.3	99.4			5.26
	Diuron	78.6	84.8	82.2			3.16
	Endothall	86.1	88.5	85.1			3.90
	Fenuron	96.1	85.0	96.7			12.8
	Fluridone	89.2	87.4	99.1			12.5
	Glufosinate	87.7	95.0	97.3			2.32
	Glyphosate	97.9	93.8	98.8			5.18

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8321B	Hydrocodone	88.9	87.3	95.2			8.61
	Ibuprofen	99.3	57.8	51.0			12.5
	Imazapyr	104	102	105			2.68
	Imidacloprid	94.8	85.9	98.3			13.5
	Linuron	74.7	77.6	92.8			17.8
	Mandestrobin	96.4	90.2	96.9			7.13
	MCPP	99.3	92.3	95.0			2.91
	Methiocarb	72.9	81.8	68.7			17.4
	Methomyl	81.8	61.7	61.5			0.184
	Naproxen	71.5	74.6	78.1			4.64
	Oxamyl	84.5	65.9	65.9			0.0519
	Primidone	96.8	82.4	91.5			10.5
	Propoxur	60.6	48.1	41.5			14.6
	Pyraclostrobin	91.5	86.8	95.9			9.95
	Silvex	103	96.2	102			6.09
	Sucralose	100	99.2	101			2.05
	Thiamethoxam	97.9	90.3	96.8			6.95
	Tolfenpyrad	57.4	53.9	60.9			12.2
	Triclopyr	102	84.2	86.7			2.93
SM 2320 B-2011	Total Alkalinity	100				3.82	
SM 2540 C-2015	TDS	100				4.21	
SM 2540 D-2015	TSS	112					
SM 4500-F- C-2011	Fluoride	97.6	98.7	100			0.960
SM 5310 B-2014	Organic Carbon	96.6	95.4	94.0			1.10

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2475311
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2475311
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2475347
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2475347
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2475311
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2475311
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2475312
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2475312
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2475312
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2475312
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2475344
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2475343, 2475345, 2475346
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2475344
EPA 8270E	PCBs in water matrices by GC/MS/MS	2475343, 2475345, 2475346
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2475343, 2475345, 2475346
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2475338
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2475339, 2475340, 2475341, 2475342
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2475311
SM 2340 B-2011	Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3	2475347
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2475311
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2475311
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2475311

Reference Method Descriptions

Method	Description	Associated Samples
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2475312

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	03/14/2024			03/14/2024 16:32	Jessica K Wilks	2475311
EPA 180.1 Rev. 2.0	03/14/2024			03/14/2024 13:00	Samantha L Bates	2475311
EPA 200.7 Rev. 4.4	03/14/2024	03/18/2024 13:25	George D Taylor	03/19/2024 21:57	Chase Roberts	2475347
	03/14/2024	03/18/2024 13:25	George D Taylor	03/19/2024 22:09	Chase Roberts	2475347
EPA 200.8 Rev. 5.4	03/14/2024	03/18/2024 13:25	George D Taylor	03/19/2024 21:27	Emily M Philpot	2475347
	03/14/2024	03/18/2024 13:25	George D Taylor	03/19/2024 22:52	Emily M Philpot	2475347
EPA 300.0 Rev. 2.1	03/14/2024			03/21/2024 19:39	James L Waggerby	2475311
EPA 350.1 Rev. 2.0	03/14/2024			03/21/2024 15:23	Ping Hua	2475312
EPA 351.2 Rev. 2.0	03/14/2024	04/03/2024 09:53	Robyn Blevins	04/05/2024 14:09	Ping Hua	2475312
EPA 353.2 Rev. 2.0	03/14/2024			03/21/2024 12:20	Fadila Guebre	2475312
EPA 365.1 Rev. 2.0	03/14/2024	03/21/2024 15:05	Josephine W Gitau	03/22/2024 15:49	Elise M. Gillis	2475312
EPA 8270E	03/14/2024	03/18/2024 07:00	Rasheda Ghaffari	03/21/2024 17:19	Julie Wi	2475344
	03/14/2024	03/18/2024 07:00	Rasheda Ghaffari	03/22/2024 16:35	Julie Wi	2475344
	03/14/2024	03/18/2024 07:00	Rasheda Ghaffari	03/23/2024 23:54	Arthur Maknenko	2475344
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/21/2024 22:40	Lipi Saha	2475343
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/21/2024 23:10	Lipi Saha	2475345
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/21/2024 23:40	Lipi Saha	2475346
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/23/2024 01:14	Kenedi Mills	2475343
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/23/2024 02:42	Kenedi Mills	2475345
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/23/2024 03:11	Kenedi Mills	2475346
EPA 8276	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/23/2024 06:26	Arthur Maknenko	2475343
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/23/2024 07:23	Arthur Maknenko	2475345
	03/14/2024	03/19/2024 07:30	Rasheda Ghaffari	03/23/2024 09:18	Arthur Maknenko	2475346
EPA 8321B	03/14/2024	03/15/2024 13:00	Hoor Shaik	03/15/2024 21:34	Juyoung Kim	2475339
	03/14/2024	03/15/2024 13:00	Hoor Shaik	03/15/2024 21:52	Juyoung Kim	2475340
	03/14/2024	03/15/2024 13:00	Hoor Shaik	03/15/2024 22:10	Juyoung Kim	2475341
	03/14/2024	03/15/2024 13:00	Hoor Shaik	03/15/2024 22:45	Juyoung Kim	2475342
	03/14/2024	03/15/2024 13:00	Hoor Shaik	03/20/2024 20:24	Juyoung Kim	2475340
	03/14/2024	03/15/2024 13:50	Hana Lee	03/15/2024 16:54	Hana Lee	2475339
	03/14/2024	03/15/2024 13:50	Hana Lee	03/15/2024 17:08	Hana Lee	2475340
	03/14/2024	03/15/2024 13:50	Hana Lee	03/15/2024 17:22	Hana Lee	2475341
	03/14/2024	03/15/2024 13:50	Hana Lee	03/15/2024 17:36	Hana Lee	2475342
	03/14/2024	03/15/2024 13:50	Hana Lee	03/18/2024 11:54	Hana Lee	2475339
	03/14/2024	03/15/2024 13:50	Hana Lee	03/18/2024 12:09	Hana Lee	2475340
	03/14/2024	03/15/2024 13:50	Hana Lee	03/18/2024 12:23	Hana Lee	2475341
	03/14/2024	03/15/2024 13:50	Hana Lee	03/18/2024 12:37	Hana Lee	2475342
	03/14/2024	03/19/2024 09:00	Hoor Shaik	03/20/2024 23:40	Juyoung Kim	2475338
SM 2320 B-2011	03/14/2024			03/20/2024 07:05	Dale L. Simmons	2475311
SM 2340 B-2011	03/14/2024			03/19/2024 21:57	Chase Roberts	2475347
SM 2540 C-2015	03/14/2024			03/15/2024 15:11	Yijie Li	2475311

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 2540 D-2015	03/14/2024			03/15/2024 15:11	Yijie Li	2475311
SM 4500-F- C-2011	03/14/2024			03/20/2024 04:53	Dale L. Simmons	2475311
SM 5310 B-2014	03/14/2024			03/30/2024 07:42	Jessica K Wilks	2475312