

Chemical Analysis Report

NE-DIST-2022-05-27-03

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

Event Description: **St.Augustine**
Request ID: **RQ-2022-05-23-14**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
Jacksonville, FL 32256
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Certified by: Kerry Tate, Ph.D., Environmental Administrator

Date Certified: 22-JUN-2022 09:08

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

Case Narrative

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

Results for the following analytical groups are included in this report: 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: RED HOUSE BR @ LEWIS SPEEDWAY

Collection Date/Time: 05/26/2022 09:30

Field ID: 27010059

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330533	EPA 8321B	Aldicarb	0.020	U	ug/L	P414473	
		Aldicarb Sulfone	0.0020	U	ug/L	P414473	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P414473	
		Carbaryl	0.0020	U	ug/L	P414473	
		Carbofuran	0.0020	U	ug/L	P414473	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P414473	
		Methiocarb	0.0020	U	ug/L	P414473	
		Methomyl	0.0020	U	ug/L	P414473	
		Oxamyl	0.0020	U	ug/L	P414473	
		Propoxur	0.0020	U	ug/L	P414473	
2330535		2,4-D	0.0051	I	ug/L	P414370	
		Acesulfame K	0.10	U	ug/L	P414387	
		2,4,5-T	0.0040	U	ug/L	P414370	
		AMPA	0.34	I	ug/L	P414387	
		Acetaminophen	0.0080	U	ug/L	P414370	
		Acetamiprid	0.0020	U	ug/L	P414370	
		Endothall	0.25	U	ug/L	P414387	
		Glufosinate	0.10	U	ug/L	P414387	
		Glyphosate	1.4		ug/L	P414387	
		Afidopyropen	0.0020	U	ug/L	P414370	
		Bentazon	0.12		ug/L	P414370	
		Sucralose	0.16		ug/L	P414387	
		Benzovindiflupyr	0.0020	U	ug/L	P414370	
		Carbamazepine	8.0E-04	U	ug/L	P414370	
		Clothianidin	0.0020	U	ug/L	P414370	
		Dinotefuran	0.0020	U	ug/L	P414370	
		Diuron	0.0020	U	ug/L	P414370	
		Fenuron	0.032	U	ug/L	P414370	
		Fluridone	0.54		ug/L	P414370	
		Imazapyr	0.14		ug/L	P414370	
		Hydrocodone	0.0020	U	ug/L	P414370	
		Ibuprofen	0.020	U	ug/L	P414370	
		Imidacloprid	0.0035	I	ug/L	P414370	
		Linuron	0.0040	U	ug/L	P414370	
		Mandestrobin	0.0020	U	ug/L	P414370	
		MCPP	0.0040	U	ug/L	P414370	
		Naproxen	0.0080	U	ug/L	P414370	
		Primidone	0.0040	U	ug/L	P414370	
		Pyraclostrobin	0.0020	U	ug/L	P414370	
		Silvex	0.0040	U	ug/L	P414370	
		Thiamethoxam	0.0020	U	ug/L	P414370	
		Tolfenpyrad	0.0020	U	ug/L	P414370	
		Triclopyr	0.0040	U	ug/L	P414370	
2330537	EPA 8270E	Aldrin	0.68	U	ng/L	P414484	

Field ID: 27010059

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330537	EPA 8270E	Alpha-BHC	0.11	U	ng/L	P414484	
		Alpha-Chlordane	0.21	U	ng/L	P414484	
		PCB-1016	2.1	U	ng/L	P414484	
		Beta-BHC	0.11	U	ng/L	P414484	
		PCB-1221	2.1	U	ng/L	P414484	
		Beta-Cyfluthrin**	1.3	U	ng/L	P414484	
		PCB-1232	2.1	U	ng/L	P414484	
		Bifenthrin**	0.53	U	ng/L	P414484	
		PCB-1242	2.1	U	ng/L	P414484	
		PCB-1248	2.1	U	ng/L	P414484	
		Chlorothalonil	1.3	U	ng/L	P414484	
		PCB-1254	2.1	U	ng/L	P414484	
		Cis-Nonachlor**	0.21	U	ng/L	P414484	
		PCB-1260	2.1	U	ng/L	P414484	
		Cypermethrin	1.6	U	ng/L	P414484	
		Dacthal**	0.16	U	ng/L	P414484	
		DDD-p,p'	0.26	U	ng/L	P414484	
		DDE-p,p'	0.21	U	ng/L	P414484	
		DDT-p,p'	0.26	U	ng/L	P414484	
		Delta-BHC	0.42	U	ng/L	P414484	
		Deltamethrin**	1.3	U	ng/L	P414484	
		Dichlobenil**	0.26	U	ng/L	P414484	
		Dicofol	1.3	UJ	ng/L	P414484	LCS, MS
		Dieldrin	0.42	U	ng/L	P414484	
		Endosulfan I	0.42	U	ng/L	P414484	
		Endosulfan II	0.42	U	ng/L	P414484	
		Endosulfan Sulfate	0.32	U	ng/L	P414484	
		Endrin	0.42	U	ng/L	P414484	
		Endrin Aldehyde	0.79	U	ng/L	P414484	
		Endrin Ketone	0.42	U	ng/L	P414484	
		Esfenvalerate**	0.79	U	ng/L	P414484	
		Ethalfuralin**	0.16	U	ng/L	P414484	
		Fenpropathrin**	0.26	U	ng/L	P414484	
		Gamma-BHC	0.13	U	ng/L	P414484	
		Gamma-Chlordane	0.21	U	ng/L	P414484	
		Heptachlor	0.21	U	ng/L	P414484	
		Heptachlor Epoxide	0.26	U	ng/L	P414484	
		Hexachlorobenzene**	1.1	U	ng/L	P414484	
		Kepone**	5.3	U	ng/L	P414484	
		Lambda-Cyhalothrin**	0.79	U	ng/L	P414484	
		Methoprene**	0.79	U	ng/L	P414484	
		Methoxychlor	0.32	U	ng/L	P414484	
		MGK-264**	0.21	U	ng/L	P414484	
		Mirex	0.74	U	ng/L	P414484	
		Oxychlordane**	0.32	U	ng/L	P414484	

Field ID: 27010059

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330537	EPA 8270E	Permethrin	1.7	U	ng/L	P414484	
		Phenothrin**	0.95	U	ng/L	P414484	
		Piperonyl Butoxide**	0.16	U	ng/L	P414484	
		Prallethrin**	2.1	U	ng/L	P414484	
		Tau-Fluvalinate**	0.26	U	ng/L	P414484	
		Tetramethrin**	0.79	U	ng/L	P414484	
		Trans-Nonachlor**	0.21	U	ng/L	P414484	
		Triclosan Methyl**	0.16	U	ng/L	P414484	
		Trifluralin	0.21	U	ng/L	P414484	
		Chlordane	2.6	U	ng/L	P414484	
	EPA 8276	Toxaphene	16	U	ng/L	P414484	
		Oxybenzone**	9.7	U	ng/L	P414502	
2330539	EPA 8270E	Acetochlor	0.24	U	ng/L	P414502	
		Octinoxate**	19	UQ	ng/L	P415071	
		Alachlor	0.24	U	ng/L	P414502	
		Avobenzone**	97	U	ng/L	P414502	
		Ametryn	0.91	I	ng/L	P414502	
		Atrazine	8.3		ng/L	P414502	
		Atrazine Desethyl	1.8	I	ng/L	P414502	
		Azinphos Methyl	1.9	U	ng/L	P414502	
		Azoxystrobin**	0.48	U	ng/L	P414502	
		Bromacil	0.48	U	ng/L	P414502	
		Butylate	0.39	U	ng/L	P414502	
		Caffeine**	40		ng/L	P414502	
		Carbophenothion	2.4	U	ng/L	P414502	
		Carfentrazone Ethyl**	0.097	U	ng/L	P414502	
		Chlorfenapyr**	0.17	U	ng/L	P414502	
		Chlorpyrifos Ethyl	0.24	U	ng/L	P414502	
		Chlorpyrifos Methyl	0.048	U	ng/L	P414502	
		Coumaphos**	0.48	U	ng/L	P414502	
		Cyanazine	3.1	U	ng/L	P414502	
		Cyprodinil**	0.097	U	ng/L	P414502	
		Demeton	1.4	U	ng/L	P414502	
		Diazinon	0.12	U	ng/L	P414502	
		Difenoconazole**	0.58	U	ng/L	P414502	
		Dimethenamid**	0.097	U	ng/L	P414502	
		Dimethomorph**	0.17	U	ng/L	P414502	MS, RPD
		Disulfoton	0.48	U	ng/L	P414502	
		Dithiopyr**	0.17	U	ng/L	P414502	
		EPTC	1.2	U	ng/L	P414502	
		Ethion	0.14	U	ng/L	P414502	
		Ethoprop	0.097	U	ng/L	P414502	
		Etridiazole**	0.14	U	ng/L	P414502	MS
		Fenamiphos	0.48	U	ng/L	P414502	
		Fenbuconazole**	0.12	U	ng/L	P414502	

Field ID: 27010059

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330539	EPA 8270E	Fipronil	0.24	U	ng/L	P414502	
		Fipronil Desulfinyll**	0.18	I	ng/L	P414502	
		Fipronil Sulfide	0.96		ng/L	P414502	
		Fipronil Sulfone	1.3		ng/L	P414502	
		Fluazifop-P-butyl**	0.097	U	ng/L	P414502	
		Fludioxonil**	0.12	U	ng/L	P414502	
		Flumioxazin**	1.7	U	ng/L	P414502	
		Flutolanil**	0.097	U	ng/L	P414502	
		Fluxapyroxad**	0.097	U	ng/L	P414502	
		Fonofos	0.19	U	ng/L	P414502	
		Hexazinone	0.48	U	ng/L	P414502	
		Imazalil**	0.72	U	ng/L	P414502	
		Iprodione**	0.58	U	ng/L	P414502	
		Loratadine**	0.097	U	ng/L	P414502	MS, RPD
		Malathion	0.34	U	ng/L	P414502	
		Metalaxyl	0.72	U	ng/L	P414502	
		Metolachlor	0.34	U	ng/L	P414502	
		Metribuzin	2.4	U	ng/L	P414502	
		Mevinphos	1.0	U	ng/L	P414502	
		Molinate	0.29	U	ng/L	P414502	
		Myclobutanil**	0.24	U	ng/L	P414502	
		Naled**	1.4	U	ng/L	P414502	
		Napropamide**	0.39	U	ng/L	P414502	
		Norflurazon	0.48	U	ng/L	P414502	
		Oxadiazon	0.29	U	ng/L	P414502	
		Oxyfluorfen**	0.14	U	ng/L	P414502	
		Parathion Ethyl	0.24	U	ng/L	P414502	
		Parathion Methyl	0.53	U	ng/L	P414502	
		Pendimethalin	0.97	U	ng/L	P414502	
		Phenytol**	3.4	U	ng/L	P414502	MS
		Phorate	0.51	U	ng/L	P414502	
		Prodiamine**	0.29	U	ng/L	P414502	
		Prometon	0.87	U	ng/L	P414502	
		Prometryn	0.19	U	ng/L	P414502	
		Pronamide**	0.14	U	ng/L	P414502	
		Propanil**	0.12	U	ng/L	P414502	
		Propargite**	1.4	U	ng/L	P414502	MS
		Propiconazole**	0.48	U	ng/L	P414502	
		Pyraflufen Ethyl**	0.24	U	ng/L	P414502	
		Pyridaben**	0.43	U	ng/L	P414502	
		Pyriproxyfen**	0.12	U	ng/L	P414502	
		Simazine	0.48	U	ng/L	P414502	
		Stirophos**	0.12	U	ng/L	P414502	MS
		Sulfentrazone**	21		ng/L	P414502	
		Tebuconazole**	0.48	U	ng/L	P414502	

Field ID: 27010059

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330539	EPA 8270E	Terbufos	0.097	U	ng/L	P414502	
		Terbutylazine	0.41	U	ng/L	P414502	
		Thiobencarb**	0.58	U	ng/L	P414502	
		Triadimefon**	0.24	U	ng/L	P414502	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Sample expired for preparation for octinoxate due to need for re-extraction.
EPA 8270E: MS accuracy for some parameters not assessed due to high content of these parameters in the sample spiked.

Sample Location: Mill Creek at Powerline bridge

Collection Date/Time: 05/26/2022 10:15

Field ID: G2NE1216

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330534	EPA 8321B	Aldicarb	0.020	U	ug/L	P414473	
		Aldicarb Sulfone	0.0020	U	ug/L	P414473	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P414473	
		Carbaryl	0.0020	U	ug/L	P414473	
		Carbofuran	0.0020	U	ug/L	P414473	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P414473	
		Methiocarb	0.0020	U	ug/L	P414473	
		Methomyl	0.0020	U	ug/L	P414473	
		Oxamyl	0.0020	U	ug/L	P414473	
		Propoxur	0.0020	U	ug/L	P414473	
2330536		2,4-D	0.023		ug/L	P414370	
		Acesulfame K	0.10	U	ug/L	P414387	
		2,4,5-T	0.0040	U	ug/L	P414370	
		AMPA	0.61		ug/L	P414387	
		Acetaminophen	0.0080	U	ug/L	P414370	
		Acetamiprid	0.0020	U	ug/L	P414370	
		Endothall	0.25	U	ug/L	P414387	
		Glufosinate	0.10	U	ug/L	P414387	
		Glyphosate	0.53		ug/L	P414387	
		Afidopyropen	0.0020	U	ug/L	P414370	
		Bentazon	0.12		ug/L	P414370	
		Sucralose	14		ug/L	P414387	
		Benzovindiflupyr	0.0020	U	ug/L	P414370	
		Carbamazepine	0.016		ug/L	P414370	
		Clothianidin	0.056		ug/L	P414370	
		Dinotefuran	0.0040	I	ug/L	P414370	
		Diuron	0.0040	I	ug/L	P414370	
		Fenuron	0.032	U	ug/L	P414370	
		Fluridone	0.18		ug/L	P414370	
		Imazapyr	0.14		ug/L	P414370	
		Hydrocodone	0.0020	U	ug/L	P414370	
		Ibuprofen	0.020	U	ug/L	P414370	
		Imidacloprid	0.026		ug/L	P414370	
		Linuron	0.0040	U	ug/L	P414370	
		Mandestrobin	0.0020	U	ug/L	P414370	
		MCPP	0.0040	U	ug/L	P414370	
		Naproxen	0.0080	U	ug/L	P414370	
		Primidone	0.046		ug/L	P414370	
		Pyraclostrobin	0.0020	U	ug/L	P414370	
		Silvex	0.0040	U	ug/L	P414370	
		Thiamethoxam	0.0062	I	ug/L	P414370	
		Tolfenpyrad	0.0020	U	ug/L	P414370	
		Triclopyr	0.0040	U	ug/L	P414370	
2330538	EPA 8270E	Aldrin	0.68	U	ng/L	P414484	

Field ID: G2NE1216

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330538	EPA 8270E	Alpha-BHC	0.11	U	ng/L	P414484	
		Alpha-Chlordane	0.21	U	ng/L	P414484	
		PCB-1016	2.1	UJ	ng/L	P414484	SUR
		Beta-BHC	0.11	U	ng/L	P414484	
		PCB-1221	2.1	UJ	ng/L	P414484	SUR
		Beta-Cyfluthrin**	1.3	U	ng/L	P414484	
		PCB-1232	2.1	UJ	ng/L	P414484	SUR
		Bifenthrin**	0.53	U	ng/L	P414484	
		PCB-1242	2.1	UJ	ng/L	P414484	SUR
		PCB-1248	2.1	UJ	ng/L	P414484	SUR
		Chlorothalonil	1.3	U	ng/L	P414484	
		PCB-1254	2.1	UJ	ng/L	P414484	SUR
		Cis-Nonachlor**	0.21	U	ng/L	P414484	
		PCB-1260	2.1	UJ	ng/L	P414484	SUR
		Cypermethrin	1.6	U	ng/L	P414484	
		Dacthal**	0.16	U	ng/L	P414484	
		DDD-p,p'	0.26	U	ng/L	P414484	
		DDE-p,p'	0.21	U	ng/L	P414484	
		DDT-p,p'	0.26	U	ng/L	P414484	
		Delta-BHC	0.42	U	ng/L	P414484	
		Deltamethrin**	1.3	U	ng/L	P414484	
		Dichlobenil**	0.26	U	ng/L	P414484	
		Dicofol	1.3	UJ	ng/L	P414484	LCS, MS
		Dieldrin	0.42	U	ng/L	P414484	
		Endosulfan I	0.42	U	ng/L	P414484	
		Endosulfan II	0.42	U	ng/L	P414484	
		Endosulfan Sulfate	0.32	U	ng/L	P414484	
		Endrin	0.42	U	ng/L	P414484	
		Endrin Aldehyde	0.79	U	ng/L	P414484	
		Endrin Ketone	0.42	U	ng/L	P414484	
		Esfenvalerate**	0.79	U	ng/L	P414484	
		Ethalfuralin**	0.16	U	ng/L	P414484	
		Fenpropathrin**	0.26	U	ng/L	P414484	
		Gamma-BHC	0.13	U	ng/L	P414484	
		Gamma-Chlordane	0.21	U	ng/L	P414484	
		Heptachlor	0.21	U	ng/L	P414484	
		Heptachlor Epoxide	0.26	U	ng/L	P414484	
		Hexachlorobenzene**	1.1	U	ng/L	P414484	
		Kepone**	5.3	U	ng/L	P414484	
		Lambda-Cyhalothrin**	0.79	U	ng/L	P414484	
		Methoprene**	0.79	U	ng/L	P414484	
		Methoxychlor	0.32	U	ng/L	P414484	
		MGK-264**	0.51	I	ng/L	P414484	
		Mirex	0.74	U	ng/L	P414484	
		Oxychlordane**	0.32	U	ng/L	P414484	

Field ID: G2NE1216

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330538	EPA 8270E	Permethrin	1.7	U	ng/L	P414484	
		Phenothrin**	0.95	U	ng/L	P414484	
		Piperonyl Butoxide**	0.50	I	ng/L	P414484	
		Prallethrin**	2.1	U	ng/L	P414484	
		Tau-Fluvalinate**	0.26	U	ng/L	P414484	
		Tetramethrin**	0.79	U	ng/L	P414484	
		Trans-Nonachlor**	0.21	U	ng/L	P414484	
		Triclosan Methyl**	0.16	U	ng/L	P414484	
		Trifluralin	0.21	U	ng/L	P414484	
		Chlordane	2.6	U	ng/L	P414484	
	EPA 8276	Toxaphene	16	U	ng/L	P414484	
		Oxybenzone**	11	U	ng/L	P414502	
2330540	EPA 8270E	Acetochlor	0.28	U	ng/L	P414502	
		Octinoxate**	25	UQ	ng/L	P415071	
		Alachlor	0.28	U	ng/L	P414502	
		Avobenzone**	110	U	ng/L	P414502	
		Ametryn	4.8		ng/L	P414502	
		Atrazine	140		ng/L	P414502	
		Atrazine Desethyl	31		ng/L	P414502	
		Azinphos Methyl	2.2	U	ng/L	P414502	
		Azoxystrobin**	0.55	U	ng/L	P414502	
		Bromacil	0.55	U	ng/L	P414502	
		Butylate	0.44	U	ng/L	P414502	
		Caffeine**	27	I	ng/L	P414502	
		Carbophenothion	2.8	U	ng/L	P414502	
		Carfentrazone Ethyl**	0.11	U	ng/L	P414502	
		Chlorfenapyr**	0.19	U	ng/L	P414502	
		Chlorpyrifos Ethyl	0.28	U	ng/L	P414502	
		Chlorpyrifos Methyl	0.055	U	ng/L	P414502	
		Coumaphos**	0.55	U	ng/L	P414502	
		Cyanazine	3.6	U	ng/L	P414502	
		Cyprodinil**	0.11	U	ng/L	P414502	
		Demeton	1.7	U	ng/L	P414502	
		Diazinon	0.14	U	ng/L	P414502	
		Difenoconazole**	0.66	U	ng/L	P414502	
		Dimethenamid**	0.11	U	ng/L	P414502	
		Dimethomorph**	0.19	UJ	ng/L	P414502	MS, RPD
		Disulfoton	0.55	U	ng/L	P414502	
		Dithiopyr**	0.37	I	ng/L	P414502	
		EPTC	1.4	U	ng/L	P414502	
		Ethion	0.17	U	ng/L	P414502	
		Ethoprop	0.11	U	ng/L	P414502	
		Etridiazole**	0.17	UJ	ng/L	P414502	MS
		Fenamiphos	0.55	U	ng/L	P414502	
		Fenbuconazole**	0.14	U	ng/L	P414502	

Field ID: G2NE1216

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330540	EPA 8270E	Fipronil	0.58	I	ng/L	P414502	
		Fipronil DesulfinyI**	4.5		ng/L	P414502	
		Fipronil Sulfide	1.4		ng/L	P414502	
		Fipronil Sulfone	3.6		ng/L	P414502	
		Fluazifop-P-butyl**	0.11	U	ng/L	P414502	
		Fludioxonil**	0.14	U	ng/L	P414502	
		Flumioxazin**	1.9	U	ng/L	P414502	
		Flutolanil**	0.43	I	ng/L	P414502	
		Fluxapyroxad**	0.53		ng/L	P414502	
		Fonofos	0.22	U	ng/L	P414502	
		Hexazinone	0.55	U	ng/L	P414502	
		Imazalil**	0.83	U	ng/L	P414502	
		Iprodione**	0.66	U	ng/L	P414502	
		Loratadine**	0.11	UJ	ng/L	P414502	MS, RPD
		Malathion	0.39	U	ng/L	P414502	
		Metalaxyl	0.83	U	ng/L	P414502	
		Metolachlor	3.3		ng/L	P414502	
		Metribuzin	2.8	U	ng/L	P414502	
		Mevinphos	1.2	U	ng/L	P414502	
		Molinate	0.33	U	ng/L	P414502	
		Myclobutanil**	2.4		ng/L	P414502	
		Naled**	1.7	U	ng/L	P414502	
		Napropamide**	0.44	U	ng/L	P414502	
		Norflurazon	0.55	U	ng/L	P414502	
		Oxadiazon	85		ng/L	P414502	
		Oxyfluorfen**	0.17	U	ng/L	P414502	
		Parathion Ethyl	0.28	U	ng/L	P414502	
		Parathion Methyl	0.61	U	ng/L	P414502	
		Pendimethalin	1.1	U	ng/L	P414502	
		Phenytol**	3.9	UJ	ng/L	P414502	MS
		Phorate	0.58	U	ng/L	P414502	
		Prodiamine**	0.33	U	ng/L	P414502	
		Prometon	0.99	U	ng/L	P414502	
		Prometryn	0.22	U	ng/L	P414502	
		Pronamide**	0.17	U	ng/L	P414502	
		Propanil**	0.14	U	ng/L	P414502	
		Propargite**	1.7	UJ	ng/L	P414502	MS
		Propiconazole**	3.6		ng/L	P414502	
		Pyraflufen Ethyl**	0.28	U	ng/L	P414502	
		Pyridaben**	0.50	U	ng/L	P414502	
		Pyriproxyfen**	0.14	U	ng/L	P414502	
		Simazine	29		ng/L	P414502	
		Stirophos**	0.14	UJ	ng/L	P414502	MS
		Sulfentrazone**	13		ng/L	P414502	
		Tebuconazole**	2.3		ng/L	P414502	

Field ID: G2NE1216

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330540	EPA 8270E	Terbufos	0.11	U	ng/L	P414502	
		Terbutylazine	0.47	U	ng/L	P414502	
		Thiobencarb**	0.66	U	ng/L	P414502	
		Triadimefon**	0.28	U	ng/L	P414502	

Ref. Method and Comment:
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Sample expired for preparation for octinoxate due to need for re-extraction.
EPA 8270E: MS accuracy for some parameters not assessed due to high content of these parameters in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: San Sebastian at Marina North of SR312

Collection Date/Time: 05/26/2022 11:45

Field ID: G5NE0604

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330513	EPA 180.1 Rev. 2.0	Turbidity	20		NTU	P414499	
	SM 2320 B-2011	Total Alkalinity	124		mg CaCO3/L	P414794	
	SM 2540 D-2011	TSS	21		mg/L	P414969	
	SM 4500-F- C-2011	Fluoride	1.3		mg F/L	P414801	
2330516	EPA 350.1 Rev. 2.0	Ammonia-N	0.071		mg N/L	P414973	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.54		mg N/L	P414690	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.038		mg N/L	P415033	
	EPA 365.1 Rev. 2.0	Total-P	0.082		mg P/L	P414554	
	SM 5310 B-2011	Organic Carbon	4.4		mg C/L	P415265	
2330541	EPA 200.7 Rev. 4.4	Calcium	426		mg/L	P414615	
		Iron	420	I	ug/L	P414615	
		Magnesium	1.30E+03		mg/L	P414615	
		Strontium	7.80E+03		ug/L	P414615	
		Tin	300	U	ug/L	P414615	
		Titanium	11	I	ug/L	P414615	
		Vanadium	8.0	U	ug/L	P414615	
	EPA 200.8 Rev. 5.4	Zinc	20	U	ug/L	P414615	
		Aluminum	512		ug/L	P414615	
		Antimony	0.20	U	ug/L	P414615	
		Arsenic	3.21		ug/L	P414615	
		Beryllium	0.054	I	ug/L	P414615	
		Cadmium	0.080	U	ug/L	P414615	
		Chromium	1.6	U	ug/L	P414615	
		Cobalt	0.39		ug/L	P414615	
		Copper	2.3	I	ug/L	P414615	
		Lead	2.0	U	ug/L	P414615	
		Manganese	32.5		ug/L	P414615	
		Molybdenum	12.3		ug/L	P414615	
		Nickel	2.0	U	ug/L	P414615	
		Selenium	0.80	U	ug/L	P414615	
		Silver	0.040	U	ug/L	P414615	
		Thallium	1.0	U	ug/L	P414615	

Ref. Method and Comment:

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for magnesium are unavailable because of high analyte concentration in the QC sample.

Sample Location: San Sebastian River at Shipyards

Collection Date/Time: 05/26/2022 12:10

Field ID: G5NE0603

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330514	EPA 180.1 Rev. 2.0	Turbidity	20		NTU	P414499	
	SM 2320 B-2011	Total Alkalinity	124		mg CaCO3/L	P414794	
	SM 2540 D-2011	TSS	45		mg/L	P414969	
	SM 4500-F- C-2011	Fluoride	1.3		mg F/L	P414801	
2330517	EPA 350.1 Rev. 2.0	Ammonia-N	0.077		mg N/L	P414973	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.77		mg N/L	P414690	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.037		mg N/L	P415034	
	EPA 365.1 Rev. 2.0	Total-P	0.090		mg P/L	P414554	
	SM 5310 B-2011	Organic Carbon	4.6		mg C/L	P415265	
2330542	EPA 200.7 Rev. 4.4	Calcium	434		mg/L	P414615	
		Iron	410	I	ug/L	P414615	
		Magnesium	1.32E+03		mg/L	P414615	
		Strontium	7.30E+03		ug/L	P414615	
		Tin	300	U	ug/L	P414615	
		Titanium	9.6	I	ug/L	P414615	
		Vanadium	8.0	U	ug/L	P414615	
	EPA 200.8 Rev. 5.4	Zinc	20	U	ug/L	P414615	
		Aluminum	420		ug/L	P414615	
		Antimony	0.20	U	ug/L	P414615	
		Arsenic	3.26		ug/L	P414615	
		Beryllium	0.057	I	ug/L	P414615	
		Cadmium	0.080	U	ug/L	P414615	
		Chromium	1.6	U	ug/L	P414615	
		Cobalt	0.82		ug/L	P414615	
		Copper	2.7	I	ug/L	P414615	
		Lead	2.0	U	ug/L	P414615	
		Manganese	38.3		ug/L	P414615	
		Molybdenum	12.0		ug/L	P414615	
		Nickel	2.0	U	ug/L	P414615	
		Selenium	0.80	U	ug/L	P414615	
		Silver	0.040	U	ug/L	P414615	
		Thallium	1.0	U	ug/L	P414615	

Ref. Method and Comment:

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for magnesium are unavailable because of high analyte concentration in the QC sample.

Sample Location: San Sebastian River @ Hidden Harbor Marina Collection Date/Time: 05/26/2022 12:30

Field ID: 27010088

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330515	EPA 180.1 Rev. 2.0	Turbidity	25		NTU	P414499	
	SM 2320 B-2011	Total Alkalinity	127		mg CaCO3/L	P414794	
	SM 2540 D-2011	TSS	87		mg/L	P414969	
	SM 4500-F- C-2011	Fluoride	1.2		mg F/L	P414801	
2330518	EPA 350.1 Rev. 2.0	Ammonia-N	0.043		mg N/L	P414973	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.95		mg N/L	P414690	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P415034	
	EPA 365.1 Rev. 2.0	Total-P	0.14		mg P/L	P414554	
	SM 5310 B-2011	Organic Carbon	15		mg C/L	P415265	
2330543	EPA 200.7 Rev. 4.4	Calcium	423		mg/L	P414615	
		Iron	520		ug/L	P414615	
		Magnesium	1.28E+03		mg/L	P414615	
		Strontium	7.59E+03		ug/L	P414615	
		Tin	300	U	ug/L	P414615	
		Titanium	9.4	I	ug/L	P414615	
		Vanadium	8.0	U	ug/L	P414615	
		Zinc	20	U	ug/L	P414615	
		Aluminum	447		ug/L	P414615	
		Antimony	0.20	U	ug/L	P414615	
		Arsenic	3.42		ug/L	P414615	
		Beryllium	0.071	I	ug/L	P414615	
	EPA 200.8 Rev. 5.4	Cadmium	0.080	U	ug/L	P414615	
		Chromium	1.6	U	ug/L	P414615	
		Cobalt	0.32		ug/L	P414615	
		Copper	3.2		ug/L	P414615	
		Lead	2.0	U	ug/L	P414615	
		Manganese	47.9		ug/L	P414615	
		Molybdenum	11.3		ug/L	P414615	
		Nickel	2.0	U	ug/L	P414615	
		Selenium	0.80	U	ug/L	P414615	
		Silver	0.040	U	ug/L	P414615	
		Thallium	1.0	U	ug/L	P414615	

Ref. Method and Comment:

EPA 200.7 Rev. 4.4: Batch matrix spike recoveries for magnesium are unavailable because of high analyte concentration in the QC sample.

Sample Location: OYSTER CR @ DIXIE HWY

Collection Date/Time: 05/26/2022 12:50

Field ID: 27010056

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2330519	EPA 180.1 Rev. 2.0	Turbidity	19		NTU	P414499	
	SM 2320 B-2011	Total Alkalinity	208	A	mg CaCO3/L	P414794	
	SM 2540 D-2011	TSS	30		mg/L	P414969	
	SM 4500-F- C-2011	Fluoride	0.33		mg F/L	P414801	
2330520	EPA 350.1 Rev. 2.0	Ammonia-N	0.057		mg N/L	P414973	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.77		mg N/L	P414690	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.035		mg N/L	P415034	
	EPA 365.1 Rev. 2.0	Total-P	0.097		mg P/L	P414554	
	SM 5310 B-2011	Organic Carbon	5.5		mg C/L	P415265	

Quality Assurance Report Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P414499

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P414615

Component	Result	Code	Units
Calcium	0.075	U	mg/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Strontium	3.0	U	ug/L
Tin	25	U	ug/L
Titanium	1.0	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	20	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P414615

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Beryllium	0.010	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 350.1 Rev. 2.0
Batch ID: P414973

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414690

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415033

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415034

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P414554

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

Reference Method: EPA 8270E
Batch ID: P414484

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P414484

Component	Result	Code	Units
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	5.0	U	ng/L
Kepone	5.0	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.70	U	ng/L
Mirex	0.70	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1016	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1221	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1232	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1242	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1248	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1254	2.0	U	ng/L
PCB-1260	2.0	U	ng/L
PCB-1260	2.0	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P414484

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

Reference Method: EPA 8270E

Batch ID: P414502

Component	Result	Code	Units
Acetochlor	0.25	U	ng/L
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	2.5	U	ng/L
Carbophenothion	2.5	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P414502

Component	Result	Code	Units
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Demeton	1.5	U	ng/L
Demeton	1.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.18	U	ng/L
Dithiopyr	0.18	U	ng/L
EPTC	1.2	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Ethoprop	0.10	U	ng/L
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.12	U	ng/L
Fludioxonil	0.12	U	ng/L
Flumioxazin	1.8	U	ng/L
Flumioxazin	1.8	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E
Batch ID: P414502

Component	Result	Code	Units
Fluxapyroxad	0.10	U	ng/L
Fonofos	0.20	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.75	U	ng/L
Imazalil	0.75	U	ng/L
Iprodione	0.60	U	ng/L
Iprodione	0.60	U	ng/L
Loratadine	0.10	U	ng/L
Loratadine	0.10	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.75	U	ng/L
Metalaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	2.5	U	ng/L
Metribuzin	2.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.30	U	ng/L
Molinate	0.30	U	ng/L
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Napropamide	0.40	U	ng/L
Napropamide	0.40	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.55	U	ng/L
Parathion Methyl	0.55	U	ng/L
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytol	3.5	U	ng/L
Phenytol	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiamine	0.30	U	ng/L
Prodiamine	0.30	U	ng/L
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P414502

Component	Result	Code	Units
Prometryn	0.20	U	ng/L
Pronamide	0.15	U	ng/L
Pronamide	0.15	U	ng/L
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbuthylazine	0.42	U	ng/L
Terbuthylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: EPA 8270E

Batch ID: P415071

Component	Result	Code	Units
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L

Reference Method: EPA 8276

Batch ID: P414484

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

Reference Method: EPA 8321B

Batch ID: P414370

Component	Result	Code	Units
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Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B

Batch ID: P414370

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.020	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L
Linuron	0.0040	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0040	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B

Batch ID: P414387

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: P414473

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P414473

Component	Result	Code	Units
Propoxur	0.0020	U	ug/L

Reference Method: SM 2320 B-2011
Batch ID: P414794

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO ₃ /L

Reference Method: SM 2540 D-2011
Batch ID: P414969

Component	Result	Code	Units
TSS	3	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P414801

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P415265

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P414499

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P414615

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	108		P	85 - 115
Iron	105		P	85 - 115
Magnesium	107		P	85 - 115
Strontium	103		P	85 - 115
Tin	104		P	85 - 115
Titanium	101		P	85 - 115
Vanadium	94.5		P	85 - 115
Zinc	104		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P414615

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	99.9		P	85 - 115
Antimony	98.1		P	85 - 115
Arsenic	97.5		P	85 - 115
Beryllium	90.6		P	85 - 115
Cadmium	96.7		P	85 - 115
Chromium	95.3		P	85 - 115
Cobalt	97.2		P	85 - 115
Copper	94.9		P	85 - 115
Lead	98.9		P	85 - 115
Manganese	96.8		P	85 - 115
Molybdenum	97.7		P	85 - 115
Nickel	96.5		P	85 - 115
Selenium	96.2		P	85 - 115
Silver	97.8		P	85 - 115
Thallium	101		P	85 - 115

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414973

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414690

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415033

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P415034

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P414554

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

Reference Method: EPA 8270E
Batch ID: P414484

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	55.4		P	10 - 93.0
Alpha-BHC	96.3		P	75 - 106
Alpha-Chlordane	88.4		P	50 - 109
Beta-BHC	104		P	36 - 138
Beta-Cyfluthrin	98.6		P	23 - 167
Bifenthrin	84.1		P	11 - 123
Chlorothalonil	124		P	27 - 190
Cis-Nonachlor	74.8		P	40 - 111
Cypermethrin	97.7		P	25 - 155
Dacthal	96.7		P	72 - 119
DDD-p,p'	80.7		P	47 - 108
DDE-p,p'	83.8		P	48 - 107
DDT-p,p'	83.0		P	49 - 111
Delta-BHC	115		P	54 - 138
Deltamethrin	84.8		P	22 - 189
Dichlobenil	79.7		P	32 - 113
Dicofol	155		F	50 - 108
Dieldrin	85.9		P	56 - 110
Endosulfan I	89.6		P	60 - 105
Endosulfan II	93.7		P	50 - 120
Endosulfan Sulfate	94.5		P	55 - 121
Endrin	90.1		P	31 - 119
Endrin Aldehyde	90.1		P	36 - 116
Endrin Ketone	100		P	69 - 177
Esfenvalerate	98.5		P	10 - 179
Ethalfuralin	84.0		P	49 - 99.0
Fenpropathrin	97.3		P	35 - 119
Gamma-BHC	103		P	69 - 120
Gamma-Chlordane	80.4		P	45 - 107
Heptachlor	73.8		P	41 - 100
Heptachlor Epoxide	83.6		P	58 - 106
Hexachlorobenzene	71.1		P	39 - 100
Kepone	186		P	10 - 191
Lambda-Cyhalothrin	88.8		P	21 - 206
Methoprene	75.9		P	10 - 129
Methoxychlor	97.5		P	61 - 111
MGK-264	83.9		P	20 - 123
Mirex	75.3		P	10 - 182
Oxychlordane	77.8		P	39 - 110
PCB-1016	81.1		P	49 - 111

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P414484

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PCB-1260	101		P	42 - 116
Permethrin	95.1		P	26 - 152
Phenothrin	72.6		P	10 - 109
Piperonyl Butoxide	107		P	19 - 147
Prallethrin	78.3		P	14 - 109
Tau-Fluvalinate	94.2		P	16 - 134
Tetramethrin	93.5		P	10 - 125
Trans-Nonachlor	76.8		P	45 - 107
Triclosan Methyl	87.4		P	60 - 110
Trifluralin	84.0		P	44 - 101

Reference Method: EPA 8270E
Batch ID: P414502

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	103		P	70 - 121
Alachlor	90.0		P	68 - 119
Ametryn	108		P	64 - 139
Atrazine	106		P	76 - 120
Atrazine Desethyl	116		P	44 - 126
Avobenzone	130		P	76 - 212
Azinphos Methyl	107		P	43 - 192
Azoxystrobin	115		P	36 - 224
Bromacil	87.2		P	52 - 121
Butylate	63.1		P	28 - 91.0
Caffeine	69.8		P	50 - 134
Carbophenothion	89.7		P	56 - 129
Carfentrazone Ethyl	110		P	60 - 141
Chlorfenapyr	85.4		P	56 - 115
Chlorpyrifos Ethyl	83.1		P	60 - 118
Chlorpyrifos Methyl	94.6		P	68 - 119
Coumaphos	93.6		P	18 - 250
Cyanazine	103		P	61 - 250
Cyprodinil	99.9		P	55 - 145
Demeton	78.5		P	30 - 159
Diazinon	96.2		P	70 - 123
Difenoconazole	127		P	49 - 204
Dimethenamid	82.8		P	64 - 115
Dimethomorph	107		P	12 - 219
Disulfoton	87.1		P	44 - 125
Dithiopyr	86.3		P	64 - 115
EPTC	59.6		P	28 - 86.0
Ethion	77.2		P	33 - 125
Ethoprop	86.1		P	64 - 116
Etridiazole	63.6		P	34 - 91.0
Fenamiphos	87.0		P	12 - 127
Fenbuconazole	95.3		P	59 - 151
Fipronil	105		P	67 - 129
Fipronil Desulfinyl	106		P	65 - 127
Fipronil Sulfide	93.4		P	61 - 116
Fipronil Sulfone	82.8		P	55 - 117
Fluazifop-P-butyl	104		P	62 - 127

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P414502

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fludioxonil	93.9		P	62 - 128
Flumioxazin	147		P	33 - 250
Flutolanil	102		P	56 - 127
Fluxapyroxad	88.7		P	45 - 128
Fonofos	86.2		P	62 - 111
Hexazinone	93.3		P	46 - 139
Imazalil	84.3		P	38 - 142
Iprodione	93.8		P	47 - 135
Loratadine	104		P	10 - 244
Malathion	82.3		P	61 - 139
Metalaxyl	87.5		P	10 - 119
Metolachlor	84.7		P	65 - 118
Metribuzin	89.2		P	51 - 250
Mevinphos	78.7		P	53 - 121
Molinate	69.6		P	42 - 96.0
Myclobutanil	91.2		P	55 - 128
Naled	82.9		P	10 - 98.0
Napropamide	85.2		P	49 - 121
Norflurazon	86.5		P	61 - 126
Oxadiazon	77.8		P	59 - 116
Oxybenzone	102		P	61 - 139
Oxyfluorfen	113		P	64 - 137
Parathion Ethyl	88.2		P	70 - 112
Parathion Methyl	118		P	76 - 133
Pendimethalin	101		P	52 - 117
Phenytol	41.8		P	10 - 199
Phorate	76.6		P	48 - 121
Prodiamine	39.7		P	26 - 142
Prometon	71.2		P	43 - 123
Prometryn	99.6		P	66 - 127
Pronamide	104		P	75 - 121
Propanil	138		P	45 - 150
Propargite	74.0		P	42 - 208
Propiconazole	98.6		P	60 - 125
Pyraflufen Ethyl	93.9		P	70 - 138
Pyridaben	93.6		P	35 - 245
Pyriproxyfen	96.5		P	30 - 149
Simazine	101		P	72 - 125
Stirophos	71.5		P	29 - 164
Sulfentrazone	91.6		P	21 - 139
Tebuconazole	60.7		P	10 - 115
Terbufos	98.6		P	60 - 123
Terbutylazine	91.3		P	72 - 115
Thiobencarb	82.2		P	31 - 139
Triadimefon	83.8		P	65 - 116

Reference Method: EPA 8270E

Batch ID: P415071

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Octinoxate	102		P	30 - 159

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8276

Batch ID: P414484

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	105		P	61 - 118
Toxaphene	98.8		P	51 - 122

Reference Method: EPA 8321B

Batch ID: P414370

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	80.5		P	40 - 150
2,4,5-T	63.7		P	40 - 150
Acetaminophen	72.0		P	30 - 150
Acetamiprid	93.9		P	40 - 150
Afidopyropen	79.8		P	30 - 150
Bentazon	96.8		P	30 - 150
Benzovindiflupyr	95.1		P	40 - 150
Carbamazepine	96.7		P	40 - 150
Clothianidin	105		P	40 - 150
Dinotefuran	100		P	40 - 150
Diuron	97.0		P	40 - 150
Fenuron	105		P	40 - 150
Fluridone	95.1		P	40 - 150
Hydrocodone	90.9		P	40 - 150
Ibuprofen	100		P	40 - 150
Imazapyr	102		P	40 - 150
Imidacloprid	94.9		P	40 - 150
Linuron	56.1		P	40 - 150
Mandestrobin	94.1		P	40 - 150
MCPP	93.4		P	40 - 150
Naproxen	70.3		P	40 - 150
Primidone	96.4		P	40 - 150
Pyraclostrobin	86.4		P	40 - 150
Silvex	62.1		P	40 - 150
Thiamethoxam	95.2		P	40 - 150
Tolfenpyrad	48.1		P	30 - 150
Triclopyr	63.9		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P414387

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	139		P	40 - 150
AMPA	102		P	40 - 150
Endothall	96.3		P	40 - 150
Glufosinate	96.6		P	40 - 150
Glyphosate	94.5		P	40 - 150
Sucralose	101		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P414473

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	95.5		P	40 - 150
Aldicarb	84.3		P	30 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P414473

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldicarb Sulfone	99.9		P	40 - 150
Aldicarb Sulfoxide	97.2		P	40 - 150
Carbaryl	76.9		P	40 - 150
Carbofuran	88.5		P	40 - 150
Methiocarb	70.2		P	40 - 150
Methomyl	93.7		P	40 - 150
Oxamyl	100		P	40 - 150
Propoxur	91.8		P	40 - 150

Reference Method: SM 2320 B-2011

Batch ID: P414794

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

Reference Method: SM 4500-F- C-2011

Batch ID: P414801

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	97.9		P	96 - 104

Reference Method: SM 5310 B-2011

Batch ID: P415265

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	94.4		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P414615

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330285	Calcium	111		P	70 - 130
2330285	Iron	107	106	P/P	70 - 130
2330285	Strontium	93.3	101	P/P	70 - 130
2330285	Tin	76.2	83.1	P/P	70 - 130
2330285	Titanium	96.4	100	P/P	70 - 130
2330285	Vanadium	90.5	93.6	P/P	70 - 130
2330285	Zinc	94.9	98.8	P/P	70 - 130

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P414615

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330285	Aluminum	112	114	P/P	70 - 130
2330285	Antimony	97.7	98.6	P/P	70 - 130
2330285	Arsenic	109	111	P/P	70 - 130
2330285	Beryllium	109	101	P/P	70 - 130
2330285	Cadmium	96.0	95.8	P/P	70 - 130
2330285	Chromium	96.1	96.9	P/P	70 - 130
2330285	Cobalt	109	109	P/P	70 - 130
2330285	Copper	105	103	P/P	70 - 130
2330285	Lead	102	104	P/P	70 - 130
2330285	Manganese	94.9	96.5	P/P	70 - 130
2330285	Molybdenum	110	110	P/P	70 - 130
2330285	Nickel	108	109	P/P	70 - 130
2330285	Selenium	102	103	P/P	70 - 130
2330285	Silver	90.3	91.4	P/P	70 - 130
2330285	Thallium	104	106	P/P	70 - 130

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P414973

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330408	Ammonia-N	97.2	98.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P414690

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330516	Kjeldahl Nitrogen	103	106	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P415033

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2329806	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P415034

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330517	NO2NO3-N	101	100	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P414554

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330410	Total-P	94.6	97.5	P/P	90 - 110

Reference Method: EPA 8270E

Batch ID: P414484

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2329988	Aldrin	69.5	69.8	P/P	10 - 89.0
2329988	Alpha-BHC	94.8	94.9	P/P	71 - 105
2329988	Alpha-Chlordane	82.2	80.1	P/P	43 - 107
2329988	Beta-BHC	127	132	P/P	57 - 152
2329988	Beta-Cyfluthrin	92.7	86.0	P/P	29 - 186
2329988	Bifenthrin	81.2	77.3	P/P	19 - 119
2329988	Chlorothalonil	239	229	P/P	10 - 245
2329988	Cis-Nonachlor	64.0	65.5	P/P	36 - 110
2329988	Cypermethrin	94.0	87.6	P/P	24 - 169
2329988	Dacthal	97.5	97.9	P/P	62 - 115
2329988	DDD-p,p'	73.6	70.8	P/P	36 - 109
2329988	DDE-p,p'	78.5	77.6	P/P	30 - 114
2329988	DDT-p,p'	86.2	81.1	P/P	42 - 108
2329988	Delta-BHC	144	149	P/P	60 - 164
2329988	Deltamethrin	60.7	90.3	P/P	10 - 210
2329988	Dichlobenil	49.2	48.1	P/P	23 - 108
2329988	Dicofol	277	247	F/F	44 - 109
2329988	Dieldrin	82.6	78.9	P/P	37 - 119
2329988	Endosulfan I	87.2	85.7	P/P	52 - 105
2329988	Endosulfan II	84.5	82.2	P/P	35 - 127
2329988	Endosulfan Sulfate	88.3	80.8	P/P	39 - 130
2329988	Endrin	76.2	78.8	P/P	30 - 116
2329988	Endrin Aldehyde	79.6	77.3	P/P	20 - 110
2329988	Endrin Ketone	111	106	P/P	48 - 134
2329988	Esfenvalerate	97.2	90.7	P/P	10 - 199
2329988	Ethalfuralin	88.7	90.6	P/P	48 - 95.0
2329988	Fenpropathrin	105	93.4	P/P	37 - 121
2329988	Gamma-BHC	108	106	P/P	61 - 126
2329988	Gamma-Chlordane	83.7	79.6	P/P	39 - 105
2329988	Heptachlor	83.5	81.4	P/P	38 - 96.0
2329988	Heptachlor Epoxide	109	93.7	P/P	42 - 114
2329988	Hexachlorobenzene	78.1	81.8	P/P	39 - 93.0
2329988	Kepone	137	146	P/P	10 - 215
2329988	Lambda-Cyhalothrin	86.4	81.8	P/P	10 - 204
2329988	Methoprene	85.1	84.4	P/P	17 - 108
2329988	Methoxychlor	115	109	P/P	56 - 115
2329988	MGK-264	88.0	86.4	P/P	35 - 120
2329988	Mirex	70.2	67.1	P/P	10 - 178
2329988	Oxychlordane	82.8	80.2	P/P	47 - 91.0
2329988	Permethrin	97.6	90.6	P/P	27 - 170
2329988	Phenothrin	78.8	79.9	P/P	10 - 133
2329988	Piperonyl Butoxide	113	108	P/P	23 - 150
2329988	Prallethrin	101	92.3	P/P	21 - 113
2329988	Tau-Fluvalinate	87.2	83.1	P/P	16 - 158
2329988	Tetramethrin	122	113	P/P	22 - 132
2329988	Trans-Nonachlor	76.2	72.2	P/P	43 - 102

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P414484

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2329988	Triclosan Methyl	82.9	82.5	P/P	49 - 109
2329988	Trifluralin	86.1	83.6	P/P	48 - 93.0
2330361	PCB-1016	95.3	99.5	P/P	46 - 110
2330361	PCB-1260	90.3	90.2	P/P	42 - 111

Reference Method: EPA 8270E

Batch ID: P414502

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330540	Acetochlor	85.4	84.2	P/P	65 - 124
2330540	Alachlor	74.0	72.5	P/P	61 - 121
2330540	Avobenzone	118	119	P/P	59 - 206
2330540	Azinphos Methyl	76.8	84.9	P/P	40 - 292
2330540	Azoxystrobin	187	169	P/P	12 - 242
2330540	Bromacil	74.5	69.2	P/P	54 - 167
2330540	Butylate	39.2	28.8	P/P	14 - 94.0
2330540	Caffeine	106	96.7	P/P	10 - 226
2330540	Carbophenothion	67.2	66.9	P/P	49 - 122
2330540	Carfentrazone Ethyl	79.9	78.5	P/P	53 - 138
2330540	Chlorfenapyr	69.7	61.4	P/P	50 - 150
2330540	Chlorpyrifos Ethyl	84.1	83.4	P/P	52 - 122
2330540	Chlorpyrifos Methyl	81.0	80.6	P/P	66 - 117
2330540	Coumaphos	62.3	68.0	P/P	50 - 220
2330540	Cyanazine	86.0	86.2	P/P	43 - 245
2330540	Cyprodinil	83.4	84.3	P/P	50 - 150
2330540	Demeton	69.2	72.1	P/P	43 - 188
2330540	Diazinon	90.3	86.8	P/P	69 - 131
2330540	Difenoconazole	89.1	103	P/P	34 - 231
2330540	Dimethenamid	66.6	69.1	P/P	55 - 118
2330540	Dimethomorph	171	121	F/P	50 - 150
2330540	Disulfoton	82.9	77.2	P/P	38 - 141
2330540	Dithiopyr	68.1	67.4	P/P	42 - 116
2330540	EPTC	30.6	25.4	P/P	18 - 85.0
2330540	Ethion	42.6	63.8	P/P	10 - 131
2330540	Ethoprop	90.9	89.3	P/P	65 - 129
2330540	Etridiazole	42.5	35.4	F/F	50 - 150
2330540	Fenamiphos	62.4	85.8	P/P	31 - 137
2330540	Fenbuconazole	71.4	71.9	P/P	57 - 160
2330540	Fipronil	83.0	82.3	P/P	62 - 132
2330540	Fipronil Sulfide	89.7	87.1	P/P	15 - 138
2330540	Fipronil Sulfone	68.8	61.8	P/P	21 - 134
2330540	Fluazifop-P-butyl	79.3	79.9	P/P	54 - 133
2330540	Fludioxonil	75.4	72.6	P/P	58 - 127
2330540	Flumioxazin	111	122	P/P	33 - 300
2330540	Flutolanil	74.8	78.4	P/P	42 - 130
2330540	Fluxapyroxad	57.1	66.0	P/P	23 - 141
2330540	Fonofos	88.5	85.0	P/P	58 - 119
2330540	Hexazinone	88.1	87.6	P/P	68 - 172
2330540	Imazalil	195	168	P/P	48 - 283
2330540	Iprodione	78.2	75.0	P/P	38 - 140
2330540	Loratadine	168	118	F/P	50 - 150
2330540	Malathion	72.2	71.1	P/P	40 - 137

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P414502

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330540	Metalaxyl	81.4	68.0	P/P	21 - 129
2330540	Metolachlor	62.3	66.7	P/P	55 - 122
2330540	Metribuzin	94.4	76.2	P/P	38 - 187
2330540	Mevinphos	77.1	77.2	P/P	54 - 134
2330540	Molinate	54.2	49.4	P/P	41 - 97.0
2330540	Myclobutanil	75.5	78.1	P/P	56 - 125
2330540	Naled	71.4	72.2	P/P	10 - 108
2330540	Napropamide	60.2	64.3	P/P	50 - 150
2330540	Norflurazon	64.7	60.0	P/P	32 - 122
2330540	Oxybenzone	100	96.3	P/P	59 - 147
2330540	Oxyfluorfen	93.0	96.1	P/P	61 - 153
2330540	Parathion Ethyl	81.6	82.2	P/P	59 - 130
2330540	Parathion Methyl	119	119	P/P	65 - 155
2330540	Pendimethalin	99.6	102	P/P	49 - 138
2330540	Phenytoin	27.7	31.5	F/F	50 - 200
2330540	Phorate	70.6	75.1	P/P	54 - 161
2330540	Prodiamine	39.1	43.3	P/P	33 - 161
2330540	Prometon	71.4	66.5	P/P	48 - 140
2330540	Prometryn	85.5	82.1	P/P	55 - 134
2330540	Pronamide	86.1	86.0	P/P	66 - 137
2330540	Propanil	122	116	P/P	50 - 150
2330540	Propargite	45.5	47.8	F/F	50 - 200
2330540	Propiconazole	91.9	88.3	P/P	36 - 150
2330540	Pyraflufen Ethyl	71.5	66.7	P/P	50 - 150
2330540	Pyridaben	97.2	80.7	P/P	50 - 200
2330540	Pyriproxyfen	57.9	67.9	P/P	10 - 165
2330540	Simazine	93.9	61.7	P/P	57 - 145
2330540	Stirophos	43.6	53.6	F/P	50 - 150
2330540	Tebuconazole	37.7	52.4	P/P	10 - 127
2330540	Terbufos	101	98.9	P/P	59 - 138
2330540	Terbutylazine	80.7	82.6	P/P	68 - 119
2330540	Thiobencarb	67.8	55.0	P/P	50 - 150
2330540	Triadimefon	71.6	74.8	P/P	50 - 150

Reference Method: EPA 8270E
Batch ID: P415071

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2332309	Octinoxate	66.5	51.7	P/P	25 - 150

Reference Method: EPA 8276
Batch ID: P414484

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330361	Chlordane	92.8	94.6	P/P	55 - 128
2330361	Toxaphene	99.7	102	P/P	57 - 211

Reference Method: EPA 8321B
Batch ID: P414370

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330028	2,4-D	100	90.6	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P414370

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330028	2,4,5-T	75.2	71.6	P/P	40 - 150
2330028	Acetaminophen	105	99.1	P/P	30 - 150
2330028	Acetamiprid	95.7	95.8	P/P	40 - 150
2330028	Afidopyropen	52.0	60.1	P/P	30 - 150
2330028	Bentazon	104	96.4	P/P	30 - 150
2330028	Benzovindiflupyr	111	103	P/P	40 - 150
2330028	Carbamazepine	118	105	P/P	40 - 150
2330028	Clothianidin	114	104	P/P	40 - 150
2330028	Dinotefuran	126	116	P/P	40 - 150
2330028	Diuron	105	103	P/P	40 - 150
2330028	Fenuron	105	99.1	P/P	40 - 150
2330028	Fluridone	89.0	90.8	P/P	40 - 150
2330028	Hydrocodone	59.9	68.5	P/P	40 - 150
2330028	Ibuprofen	94.8	100	P/P	40 - 150
2330028	Imazapyr	109	95.6	P/P	40 - 150
2330028	Imidacloprid	121	113	P/P	40 - 150
2330028	Linuron	94.5	91.6	P/P	40 - 150
2330028	Mandestrobin	98.0	95.2	P/P	40 - 150
2330028	MCCP	125	109	P/P	40 - 150
2330028	Naproxen	78.7	77.9	P/P	40 - 150
2330028	Primidone	104	101	P/P	40 - 150
2330028	Pyraclostrobin	98.5	95.1	P/P	40 - 150
2330028	Silvex	66.5	66.7	P/P	40 - 150
2330028	Thiamethoxam	121	114	P/P	40 - 150
2330028	Tolfenpyrad	59.1	53.8	P/P	30 - 150
2330028	Triclopyr	75.7	74.6	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P414387

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2329967	Acesulfame K	123	122	P/P	40 - 150
2329967	AMPA	98.5	93.8	P/P	40 - 150
2329967	Endothall	95.2	94.1	P/P	40 - 150
2329967	Glufosinate	91.9	94.2	P/P	40 - 150
2329967	Glyphosate	92.0	86.4	P/P	40 - 150
2329967	Sucralose	95.9	98.1	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P414473

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2329909	3-Hydroxycarbofuran	106	112	P/P	40 - 150
2329909	Aldicarb	85.4	90.4	P/P	30 - 150
2329909	Aldicarb Sulfone	109	115	P/P	40 - 150
2329909	Aldicarb Sulfoxide	50.5	52.8	P/P	40 - 150
2329909	Carbaryl	71.5	76.9	P/P	40 - 150
2329909	Carbofuran	81.5	91.7	P/P	40 - 150
2329909	Methiocarb	68.2	74.5	P/P	40 - 150
2329909	Methomyl	86.7	93.3	P/P	40 - 150
2329909	Oxamyl	99.1	104	P/P	40 - 150
2329909	Propoxur	86.9	92.3	P/P	40 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P414801

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330519	Fluoride	98.2	98.9	P/P	94 - 104

Reference Method: SM 5310 B-2011
Batch ID: P415265

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2330408	Organic Carbon	89.6	87.4	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P414499

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330560	Turbidity	2.95	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P414615

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330285	Calcium	1.46	Spike	P	0 - 20
2330285	Iron	0.722	Spike	P	0 - 20
2330285	Magnesium	1.33	Spike	P	0 - 20
2330285	Strontium	4.81	Spike	P	0 - 20
2330285	Tin	8.57	Spike	P	0 - 20
2330285	Titanium	3.29	Spike	P	0 - 20
2330285	Vanadium	3.36	Spike	P	0 - 20
2330285	Zinc	4.11	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P414615

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330285	Aluminum	1.83	Spike	P	0 - 20
2330285	Antimony	0.950	Spike	P	0 - 20
2330285	Arsenic	1.80	Spike	P	0 - 20
2330285	Beryllium	6.84	Spike	P	0 - 20
2330285	Cadmium	0.190	Spike	P	0 - 20
2330285	Chromium	0.773	Spike	P	0 - 20
2330285	Cobalt	0.217	Spike	P	0 - 20
2330285	Copper	1.10	Spike	P	0 - 20
2330285	Lead	1.38	Spike	P	0 - 20
2330285	Manganese	0.889	Spike	P	0 - 20
2330285	Molybdenum	0.774	Spike	P	0 - 20
2330285	Nickel	0.186	Spike	P	0 - 20
2330285	Selenium	1.16	Spike	P	0 - 20
2330285	Silver	1.20	Spike	P	0 - 20
2330285	Thallium	1.91	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P414973

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330408	Ammonia-N	0.742	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P414690

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330516	Kjeldahl Nitrogen	2.42	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P415033

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2329806	NO2NO3-N	0.491	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P415034

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330517	NO2NO3-N	0.421	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P414554

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330410	Total-P	2.78	Spike	P	0 - 20

Reference Method: EPA 8270E

Batch ID: P414484

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2329988	Aldrin	0.393	Spike	P	0 - 37
2329988	Alpha-BHC	0.0560	Spike	P	0 - 16
2329988	Alpha-Chlordane	2.57	Spike	P	0 - 28
2329988	Beta-BHC	3.52	Spike	P	0 - 32
2329988	Beta-Cyfluthrin	7.48	Spike	P	0 - 41
2329988	Bifenthrin	4.98	Spike	P	0 - 36
2329988	Chlorothalonil	4.40	Spike	P	0 - 54
2329988	Cis-Nonachlor	2.30	Spike	P	0 - 33
2329988	Cypermethrin	7.02	Spike	P	0 - 38
2329988	Dacthal	0.409	Spike	P	0 - 23
2329988	DDD-p,p'	3.84	Spike	P	0 - 35
2329988	DDE-p,p'	1.17	Spike	P	0 - 27
2329988	DDT-p,p'	6.09	Spike	P	0 - 31
2329988	Delta-BHC	3.15	Spike	P	0 - 30
2329988	Deltamethrin	39.3	Spike	P	0 - 76
2329988	Dichlobenil	2.10	Spike	P	0 - 33
2329988	Dicofol	11.6	Spike	P	0 - 24
2329988	Dieldrin	4.53	Spike	P	0 - 35
2329988	Endosulfan I	1.69	Spike	P	0 - 25
2329988	Endosulfan II	2.75	Spike	P	0 - 31
2329988	Endosulfan Sulfate	8.85	Spike	P	0 - 38
2329988	Endrin	3.43	Spike	P	0 - 53
2329988	Endrin Aldehyde	2.85	Spike	P	0 - 81
2329988	Endrin Ketone	5.36	Spike	P	0 - 33
2329988	Esfenvalerate	6.95	Spike	P	0 - 46
2329988	Ethalfuralin	2.21	Spike	P	0 - 22
2329988	Fenpropathrin	11.4	Spike	P	0 - 29
2329988	Gamma-BHC	2.28	Spike	P	0 - 17
2329988	Gamma-Chlordane	4.93	Spike	P	0 - 28
2329988	Heptachlor	2.58	Spike	P	0 - 28

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P414484

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2329988	Heptachlor Epoxide	15.0	Spike	P	0 - 23
2329988	Hexachlorobenzene	4.70	Spike	P	0 - 22
2329988	Kepone	6.23	Spike	P	0 - 61
2329988	Lambda-Cyhalothrin	5.42	Spike	P	0 - 52
2329988	Methoprene	0.724	Spike	P	0 - 38
2329988	Methoxychlor	4.73	Spike	P	0 - 29
2329988	MGK-264	1.66	Spike	P	0 - 41
2329988	Mirex	4.53	Spike	P	0 - 39
2329988	Oxychlordane	3.31	Spike	P	0 - 33
2329988	Permethrin	7.44	Spike	P	0 - 39
2329988	Phenothrin	1.39	Spike	P	0 - 52
2329988	Piperonyl Butoxide	3.69	Spike	P	0 - 91
2329988	Prallethrin	9.35	Spike	P	0 - 34
2329988	Tau-Fluvalinate	4.77	Spike	P	0 - 41
2329988	Tetramethrin	7.41	Spike	P	0 - 43
2329988	Trans-Nonachlor	5.36	Spike	P	0 - 31
2329988	Triclosan Methyl	0.469	Spike	P	0 - 24
2329988	Trifluralin	2.94	Spike	P	0 - 23
2330361	PCB-1016	4.28	Spike	P	0 - 32
2330361	PCB-1260	0.100	Spike	P	0 - 31

Reference Method: EPA 8270E
Batch ID: P414502

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330540	Acetochlor	1.39	Spike	P	0 - 27
2330540	Alachlor	1.99	Spike	P	0 - 27
2330540	Ametryn	7.41	Spike	P	0 - 34
2330540	Atrazine	23.8	Spike	P	0 - 41
2330540	Atrazine Desethyl	8.48	Spike	P	0 - 38
2330540	Avobenzone	0.436	Spike	P	0 - 30
2330540	Azinphos Methyl	10.1	Spike	P	0 - 62
2330540	Azoxystrobin	9.80	Spike	P	0 - 32
2330540	Bromacil	7.37	Spike	P	0 - 30
2330540	Butylate	30.7	Spike	P	0 - 59
2330540	Caffeine	8.94	Spike	P	0 - 60
2330540	Carbophenothion	0.341	Spike	P	0 - 25
2330540	Carfentrazone Ethyl	1.78	Spike	P	0 - 26
2330540	Chlorfenapyr	12.8	Spike	P	0 - 30
2330540	Chlorpyrifos Ethyl	0.818	Spike	P	0 - 27
2330540	Chlorpyrifos Methyl	0.538	Spike	P	0 - 26
2330540	Coumaphos	8.75	Spike	P	0 - 30
2330540	Cyanazine	0.162	Spike	P	0 - 58
2330540	Cyprodinil	1.09	Spike	P	0 - 30
2330540	Demeton	4.13	Spike	P	0 - 25
2330540	Diazinon	3.87	Spike	P	0 - 29
2330540	Difenoconazole	14.9	Spike	P	0 - 25
2330540	Dimethenamid	3.71	Spike	P	0 - 30
2330540	Dimethomorph	34.4	Spike	F	0 - 30
2330540	Disulfoton	7.08	Spike	P	0 - 33

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P414502

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330540	Dithiopyr	0.963	Spike	P	0 - 22
2330540	EPTC	18.7	Spike	P	0 - 38
2330540	Ethion	39.7	Spike	P	0 - 79
2330540	Ethoprop	1.82	Spike	P	0 - 23
2330540	Etridiazole	18.3	Spike	P	0 - 30
2330540	Fenamiphos	31.5	Spike	P	0 - 58
2330540	Fenbuconazole	0.708	Spike	P	0 - 37
2330540	Fipronil	0.723	Spike	P	0 - 33
2330540	Fipronil Desulfinyl	1.75	Spike	P	0 - 26
2330540	Fipronil Sulfide	1.72	Spike	P	0 - 37
2330540	Fipronil Sulfone	3.05	Spike	P	0 - 50
2330540	Fluazifop-P-butyl	0.803	Spike	P	0 - 24
2330540	Fludioxonil	3.71	Spike	P	0 - 26
2330540	Flumioxazin	9.85	Spike	P	0 - 37
2330540	Flutolanil	4.11	Spike	P	0 - 26
2330540	Fluxapyroxad	12.0	Spike	P	0 - 34
2330540	Fonofos	4.12	Spike	P	0 - 27
2330540	Hexazinone	0.562	Spike	P	0 - 36
2330540	Imazalil	14.6	Spike	P	0 - 65
2330540	Iprodione	4.17	Spike	P	0 - 33
2330540	Loratadine	34.9	Spike	F	0 - 30
2330540	Malathion	1.45	Spike	P	0 - 44
2330540	Metalaxyl	17.9	Spike	P	0 - 38
2330540	Metolachlor	4.85	Spike	P	0 - 36
2330540	Metribuzin	21.3	Spike	P	0 - 63
2330540	Mevinphos	0.131	Spike	P	0 - 26
2330540	Molinate	9.35	Spike	P	0 - 40
2330540	Myclobutanil	2.00	Spike	P	0 - 21
2330540	Naled	1.11	Spike	P	0 - 26
2330540	Napropamide	6.59	Spike	P	0 - 30
2330540	Norflurazon	7.58	Spike	P	0 - 24
2330540	Oxadiazon	16.7	Spike	P	0 - 27
2330540	Oxybenzone	3.82	Spike	P	0 - 30
2330540	Oxyfluorfen	3.30	Spike	P	0 - 24
2330540	Parathion Ethyl	0.753	Spike	P	0 - 28
2330540	Parathion Methyl	0.0758	Spike	P	0 - 27
2330540	Pendimethalin	2.47	Spike	P	0 - 31
2330540	Phenytoin	12.6	Spike	P	0 - 30
2330540	Phorate	6.14	Spike	P	0 - 27
2330540	Prodiamine	10.2	Spike	P	0 - 52
2330540	Prometon	7.10	Spike	P	0 - 31
2330540	Prometryn	4.08	Spike	P	0 - 28
2330540	Pronamide	0.0203	Spike	P	0 - 26
2330540	Propanil	5.34	Spike	P	0 - 30
2330540	Propargite	4.94	Spike	P	0 - 30
2330540	Propiconazole	2.08	Spike	P	0 - 31
2330540	Pyraflufen Ethyl	6.94	Spike	P	0 - 30
2330540	Pyridaben	18.6	Spike	P	0 - 30
2330540	Pyriproxyfen	15.9	Spike	P	0 - 50
2330540	Simazine	4.45	Spike	P	0 - 29
2330540	Stirophos	20.6	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P414502

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330540	Sulfentrazone	2.24	Spike	P	0 - 33
2330540	Tebuconazole	23.7	Spike	P	0 - 44
2330540	Terbufos	2.37	Spike	P	0 - 29
2330540	Terbutylazine	2.35	Spike	P	0 - 27
2330540	Thiobencarb	20.9	Spike	P	0 - 30
2330540	Triadimefon	4.32	Spike	P	0 - 30

Reference Method: EPA 8270E
Batch ID: P415071

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2332309	Octinoxate	18.1	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P414484

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330361	Chlordane	1.97	Spike	P	0 - 25
2330361	Toxaphene	2.36	Spike	P	0 - 24

Reference Method: EPA 8321B
Batch ID: P414370

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330028	2,4-D	10.3	Spike	P	0 - 30
2330028	2,4,5-T	4.90	Spike	P	0 - 30
2330028	Acetaminophen	5.50	Spike	P	0 - 30
2330028	Acetamiprid	0.170	Spike	P	0 - 30
2330028	Afidopyropen	14.4	Spike	P	0 - 30
2330028	Bentazon	7.49	Spike	P	0 - 30
2330028	Benzovindiflupyr	7.32	Spike	P	0 - 30
2330028	Carbamazepine	11.7	Spike	P	0 - 30
2330028	Clothianidin	9.34	Spike	P	0 - 30
2330028	Dinotefuran	7.81	Spike	P	0 - 30
2330028	Diuron	1.78	Spike	P	0 - 30
2330028	Fenuron	5.71	Spike	P	0 - 30
2330028	Fluridone	2.01	Spike	P	0 - 30
2330028	Hydrocodone	13.4	Spike	P	0 - 30
2330028	Ibuprofen	5.75	Spike	P	0 - 30
2330028	Imazapyr	12.1	Spike	P	0 - 30
2330028	Imidacloprid	7.07	Spike	P	0 - 30
2330028	Linuron	3.15	Spike	P	0 - 30
2330028	Mandestrobin	2.86	Spike	P	0 - 30
2330028	MCPP	13.4	Spike	P	0 - 30
2330028	Naproxen	0.948	Spike	P	0 - 30
2330028	Primidone	2.85	Spike	P	0 - 30
2330028	Pyraclostrobin	3.49	Spike	P	0 - 30
2330028	Silvex	0.309	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P414370

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330028	Thiamethoxam	5.66	Spike	P	0 - 30
2330028	Tolfenpyrad	9.42	Spike	P	0 - 30
2330028	Triclopyr	1.38	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P414387

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2329967	Acesulfame K	0.414	Spike	P	0 - 30
2329967	AMPA	4.89	Spike	P	0 - 30
2329967	Endothall	1.12	Spike	P	0 - 30
2329967	Glufosinate	2.43	Spike	P	0 - 30
2329967	Glyphosate	6.36	Spike	P	0 - 30
2329967	Sucralose	1.57	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P414473

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2329909	3-Hydroxycarbofuran	5.71	Spike	P	0 - 30
2329909	Aldicarb	5.76	Spike	P	0 - 30
2329909	Aldicarb Sulfone	5.61	Spike	P	0 - 30
2329909	Aldicarb Sulfoxide	4.56	Spike	P	0 - 30
2329909	Carbaryl	7.22	Spike	P	0 - 30
2329909	Carbofuran	11.8	Spike	P	0 - 30
2329909	Methiocarb	8.86	Spike	P	0 - 30
2329909	Methomyl	7.37	Spike	P	0 - 30
2329909	Oxamyl	4.78	Spike	P	0 - 30
2329909	Propoxur	6.06	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P414794

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330519	Total Alkalinity	2.60	Sample	P	0 - 3.8

Reference Method: SM 2540 D-2011
Batch ID: P414969

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330407	TSS	7.50	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P414801

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
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Quality Assurance Report Precision

Reference Method: SM 4500-F- C-2011
Batch ID: P414801

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330519	Fluoride	0.520	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P415265

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2330408	Organic Carbon	1.89	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2330533
Field Sample ID: 27010059

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	63.4	P	30 - 160

Lab Sample ID: 2330534
Field Sample ID: G2NE1216

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	71.0	P	30 - 160

Lab Sample ID: 2330535
Field Sample ID: 27010059

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	111	P	30 - 160
EPA 8321B	Acetaminophen-d4	110	P	30 - 160
EPA 8321B	Carbamazepine-d10	120	P	30 - 160
EPA 8321B	Diuron-d6	82.0	P	30 - 160
EPA 8321B	Endothall-d6	82.3	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	61.3	P	30 - 160
EPA 8321B	Ibuprofen-d3	77.5	P	30 - 160
EPA 8321B	Primidone-d5	115	P	30 - 160
EPA 8321B	Sucralose-d6	98.4	P	30 - 160

Lab Sample ID: 2330536
Field Sample ID: G2NE1216

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	108	P	30 - 160
EPA 8321B	Acetaminophen-d4	102	P	30 - 160
EPA 8321B	Carbamazepine-d10	120	P	30 - 160
EPA 8321B	Diuron-d6	79.6	P	30 - 160
EPA 8321B	Endothall-d6	81.4	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	76.7	P	30 - 160
EPA 8321B	Ibuprofen-d3	72.2	P	30 - 160
EPA 8321B	Primidone-d5	113	P	30 - 160
EPA 8321B	Sucralose-d6	131	P	30 - 160

Lab Sample ID: 2330537
Field Sample ID: 27010059

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	89.1	P	38 - 115
EPA 8270E	Decachlorobiphenyl	77.4	P	31 - 118
EPA 8270E	Tetrachloro-m-xylene	74.6	P	29 - 98.0
EPA 8270E	Tetrachloro-m-xylene	60.3	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	63.4	P	30 - 97.0
EPA 8276	PCNB	94.7	P	45 - 119

Lab Sample ID: 2330538
Field Sample ID: G2NE1216

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	120	F	38 - 115

Quality Assurance Report Surrogates

Lab Sample ID: 2330538
Field Sample ID: G2NE1216

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	105	P	31 - 118
EPA 8270E	Tetrachloro-m-xylene	69.0	P	29 - 98.0
EPA 8270E	Tetrachloro-m-xylene	58.1	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	83.9	P	30 - 97.0
EPA 8276	PCNB	110	P	45 - 119

Lab Sample ID: 2330539
Field Sample ID: 27010059

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	46.7	P	20 - 200
EPA 8270E	Simazine-d10	113	P	71 - 140
EPA 8270E	Terbufos-d10	104	P	62 - 131
EPA 8270E	Terphenyl-d14	86.3	P	52 - 141
EPA 8270E	Terphenyl-d14	105	P	52 - 141

Lab Sample ID: 2330540
Field Sample ID: G2NE1216

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	58.4	P	20 - 200
EPA 8270E	Simazine-d10	104	P	71 - 140
EPA 8270E	Terbufos-d10	83.1	P	62 - 131
EPA 8270E	Terphenyl-d14	73.0	P	52 - 141
EPA 8270E	Terphenyl-d14	98.9	P	52 - 141

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A112469

Included Lab Sample IDs: 2330513, 2330514, 2330515, 2330519

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

Reference Method: EPA 8321B

Run ID: A112498

Included Lab Sample IDs: 2330535, 2330536

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	91.3	88.0	P/P	60 - 160
Endothall	102	99.6	P/P	60 - 160
Glufosinate	102	101	P/P	60 - 160
Glyphosate	100	99.5	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A112499

Included Lab Sample IDs: 2330535, 2330536

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	106	129	P/P	60 - 160
Sucralose	74.7	96.1	P/P	60 - 160
Sucralose	96.1	92.0	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A112549

Included Lab Sample IDs: 2330535, 2330536

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	98.8	103	P/P	50 - 150
2,4,5-T	98.6	97.1	P/P	50 - 150
3-Hydroxycarbofuran	103	103	P/P	60 - 150
Acetaminophen	103	101	P/P	60 - 160
Acetamiprid	101	103	P/P	50 - 150
Afidopyropen	104	102	P/P	50 - 150
Aldicarb	98.3	98.5	P/P	60 - 150
Aldicarb Sulfone	102	100	P/P	50 - 150
Aldicarb Sulfoxide	97.2	99.7	P/P	50 - 150
Bentazon	105	96.3	P/P	50 - 160
Benzovindiflupyr	107	106	P/P	50 - 150
Carbamazepine	101	103	P/P	60 - 150
Carbaryl	103	102	P/P	60 - 150
Carbofuran	102	104	P/P	50 - 150
Clothianidin	97.2	105	P/P	60 - 150
Dinotefuran	99.8	99.2	P/P	50 - 150
Diuron	105	105	P/P	60 - 160
Fenuron	100	99.8	P/P	60 - 150
Fluridone	107	108	P/P	60 - 160
Fluridone	110	107	P/P	60 - 160
Hydrocodone	98.3	98.5	P/P	60 - 150
Ibuprofen	115	122	P/P	50 - 160
Imazapyr	98.2	94.3	P/P	50 - 150
Imidacloprid	95.2	97.6	P/P	60 - 150
Linuron	97.3	104	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A112549

Included Lab Sample IDs: 2330535, 2330536

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Mandestrobin	105	105	P/P	50 - 150
MCPD	99.7	97.3	P/P	50 - 150
Methiocarb	106	108	P/P	50 - 150
Methomyl	97.4	98.5	P/P	50 - 150
Naproxen	83.3	104	P/P	50 - 160
Oxamyl	101	102	P/P	50 - 150
Primidone	105	101	P/P	60 - 150
Propoxur	104	105	P/P	50 - 150
Pyraclostrobin	105	104	P/P	60 - 150
Silvex	94.8	95.6	P/P	50 - 150
Thiamethoxam	99.0	100	P/P	50 - 150
Tolfenpyrad	100	99.6	P/P	60 - 150
Triclopyr	98.6	101	P/P	50 - 150

Reference Method: EPA 8270E

Run ID: A112560

Included Lab Sample IDs: 2330537, 2330538

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	99.4		P	80 - 120
PCB-1260	98.7		P	80 - 120

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A112569

Included Lab Sample IDs: 2330518

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.2	101	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A112574

Included Lab Sample IDs: 2330516, 2330517, 2330520

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

Reference Method: EPA 8270E

Run ID: A112608

Included Lab Sample IDs: 2330537, 2330538

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	94.6		P	80 - 120
Alpha-BHC	95.6		P	80 - 120
Alpha-Chlordane	99.4		P	80 - 120
Beta-BHC	96.5		P	80 - 120
Beta-Cyfluthrin	97.1		P	80 - 120
Bifenthrin	100		P	80 - 120
Chlorothalonil	99.5		P	80 - 120
Cis-Nonachlor	95.3		P	80 - 120
Cypermethrin	98.6		P	80 - 120
Dacthal	99.4		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A112608

Included Lab Sample IDs: 2330537, 2330538

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
DDD-p,p'	99.7		P	80 - 120
DDE-p,p'	99.6		P	80 - 120
DDT-p,p'	100		P	80 - 120
Delta-BHC	96.1		P	80 - 120
Deltamethrin	89.4		P	80 - 120
Dichlobenil	99.1		P	80 - 120
Dicofol	109		P	80 - 120
Dieldrin	98.0		P	80 - 120
Endosulfan I	100		P	80 - 120
Endosulfan II	96.4		P	80 - 120
Endosulfan Sulfate	93.5		P	80 - 120
Endrin	95.9		P	80 - 120
Endrin Aldehyde	95.9		P	80 - 120
Endrin Ketone	103		P	80 - 120
Esfenvalerate	99.9		P	80 - 120
Ethalfuralin	99.1		P	80 - 120
Fenpropathrin	98.0		P	80 - 120
Gamma-BHC	99.5		P	80 - 120
Gamma-Chlordane	101		P	80 - 120
Heptachlor	97.4		P	80 - 120
Heptachlor Epoxide	97.4		P	80 - 120
Hexachlorobenzene	99.1		P	80 - 120
Kepone	92.2		P	80 - 120
Lambda-Cyhalothrin	98.6		P	80 - 120
Methoprene	100		P	80 - 120
Methoxychlor	98.8		P	80 - 120
MGK-264	100		P	80 - 120
Mirex	99.6		P	80 - 120
Oxychlordane	102		P	80 - 120
Permethrin	99.6		P	80 - 120
Phenothrin	99.8		P	80 - 120
Piperonyl Butoxide	96.8		P	80 - 120
Prallethrin	95.8		P	80 - 120
Tau-Fluvalinate	98.6		P	80 - 120
Tetramethrin	98.0		P	80 - 120
Trans-Nonachlor	97.2		P	80 - 120
Triclosan Methyl	98.7		P	80 - 120
Trifluralin	98.7		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A112611

Included Lab Sample IDs: 2330541, 2330542, 2330543

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	102	104	P/P	90 - 110
Antimony	97.1	99.1	P/P	90 - 110
Arsenic	101	101	P/P	90 - 110
Beryllium	96.7	98.6	P/P	90 - 110
Cadmium	97.8	98.7	P/P	90 - 110
Chromium	95.4	95.4	P/P	90 - 110
Cobalt	101	101	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A112611

Included Lab Sample IDs: 2330541, 2330542, 2330543

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Copper	102	102	P/P	90 - 110
Lead	98.2	98.4	P/P	90 - 110
Lead	98.4	97.6	P/P	90 - 110
Manganese	98.0	98.7	P/P	90 - 110
Molybdenum	99.3	98.9	P/P	90 - 110
Nickel	102	103	P/P	90 - 110
Selenium	99.9	100	P/P	90 - 110
Silver	99.9	100	P/P	90 - 110
Thallium	97.4	98.2	P/P	90 - 110
Thallium	98.2	97.1	P/P	90 - 110

Reference Method: EPA 8276

Run ID: A112621

Included Lab Sample IDs: 2330537, 2330538

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	97.8		P	80 - 120
Toxaphene	88.3		P	80 - 120

Reference Method: SM 2320 B-2011

Run ID: A112633

Included Lab Sample IDs: 2330513, 2330514, 2330515, 2330519

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	98.7	96.8	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A112633

Included Lab Sample IDs: 2330513, 2330514, 2330515, 2330519

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

Reference Method: EPA 8270E

Run ID: A112657

Included Lab Sample IDs: 2330539, 2330540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	108		P	80 - 120
Alachlor	105		P	80 - 120
Ametryn	101		P	80 - 120
Atrazine Desethyl	88.9		P	80 - 120
Azinphos Methyl	91.4		P	80 - 120
Azoxystrobin	98.2		P	80 - 120
Bromacil	104		P	80 - 120
Butylate	99.2		P	80 - 120
Caffeine	96.1		P	80 - 120
Carbophenothion	101		P	80 - 120
Carfentrazone Ethyl	97.4		P	80 - 120
Chlorfenapyr	101		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A112657

Included Lab Sample IDs: 2330539, 2330540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlorpyrifos Ethyl	99.2		P	80 - 120
Chlorpyrifos Methyl	101		P	80 - 120
Coumaphos	101		P	80 - 120
Cyanazine	104		P	80 - 120
Cyprodinil	102		P	80 - 120
Demeton	98.1		P	80 - 120
Diazinon	105		P	80 - 120
Difenoconazole	103		P	80 - 120
Dimethenamid	107		P	80 - 120
Dimethomorph	98.4		P	80 - 120
Disulfoton	97.5		P	80 - 120
Dithiopyr	105		P	80 - 120
EPTC	98.4		P	80 - 120
Ethion	105		P	80 - 120
Ethoprop	101		P	80 - 120
Etridiazole	99.3		P	80 - 120
Fenamiphos	106		P	80 - 120
Fenbuconazole	102		P	80 - 120
Fipronil	102		P	80 - 120
Fipronil Desulfinyl	98.0		P	80 - 120
Fipronil Sulfide	107		P	80 - 120
Fipronil Sulfone	102		P	80 - 120
Fluazifop-P-butyl	104		P	80 - 120
Fludioxonil	105		P	80 - 120
Flumioxazin	98.8		P	80 - 120
Flutolanil	102		P	80 - 120
Fluxapyroxad	106		P	80 - 120
Fonofos	101		P	80 - 120
Hexazinone	94.7		P	80 - 120
Imazalil	106		P	80 - 120
Iprodione	102		P	80 - 120
Loratadine	103		P	80 - 120
Malathion	107		P	80 - 120
Metaxyl	109		P	80 - 120
Metolachlor	108		P	80 - 120
Metribuzin	95.0		P	80 - 120
Mevinphos	86.7		P	80 - 120
Molinate	99.2		P	80 - 120
Myclobutanil	103		P	80 - 120
Naled	103		P	80 - 120
Napropamide	103		P	80 - 120
Norflurazon	105		P	80 - 120
Oxadiazon	101		P	80 - 120
Oxyfluorfen	95.6		P	80 - 120
Parathion Ethyl	97.3		P	80 - 120
Parathion Methyl	93.7		P	80 - 120
Pendimethalin	100		P	80 - 120
Phenytol	104		P	80 - 120
Phorate	94.5		P	80 - 120
Prodiamine	105		P	80 - 120
Prometon	103		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A112657

Included Lab Sample IDs: 2330539, 2330540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Prometryn	101		P	80 - 120
Pronamide	104		P	80 - 120
Propanil	92.8		P	80 - 120
Propargite	102		P	80 - 120
Propiconazole	110		P	80 - 120
Pyraflufen Ethyl	105		P	80 - 120
Pyridaben	98.5		P	80 - 120
Pyriproxyfen	101		P	80 - 120
Simazine	108		P	80 - 120
Stiophos	101		P	80 - 120
Sulfentrazone	104		P	80 - 120
Tebuconazole	100		P	80 - 120
Terbufos	103		P	80 - 120
Terbutylazine	105		P	80 - 120
Thiobencarb	92.4		P	80 - 120
Triadimefon	102		P	80 - 120

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A112672

Included Lab Sample IDs: 2330516, 2330517, 2330518, 2330520

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	97.5	106	P/P	90 - 110
Kjeldahl Nitrogen	99.8	97.5	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A112677

Included Lab Sample IDs: 2330541, 2330542, 2330543

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Strontium	100	96.3	P/P	90 - 110
Strontium	96.3	95.2	P/P	95 - 105
Tin	99.7	101	P/P	95 - 105
Titanium	95.7	98.5	P/P	95 - 105
Titanium	96.2	95.7	P/P	90 - 110
Vanadium	100	96.8	P/P	90 - 110
Vanadium	96.8	97.7	P/P	95 - 105
Zinc	99.2	100	P/P	95 - 105
Zinc	100	99.2	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A112695

Included Lab Sample IDs: 2330541, 2330542, 2330543

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A112705

Included Lab Sample IDs: 2330516, 2330517, 2330518, 2330520

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	99.5	99.7	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A112722

Included Lab Sample IDs: 2330539, 2330540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Avobenzone	103		P	80 - 120
Oxybenzone	95.8		P	80 - 120

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A112726

Included Lab Sample IDs: 2330541, 2330542, 2330543

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Iron	96.4	94.9	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A112733

Included Lab Sample IDs: 2330516, 2330517, 2330518, 2330520

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

Reference Method: EPA 8270E

Run ID: A112741

Included Lab Sample IDs: 2330539, 2330540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	99.3		P	80 - 120
Fipronil Sulfide	100		P	80 - 120
Fipronil Sulfone	98.8		P	80 - 120
Oxadiazon	109		P	80 - 120
Sulfentrazone	93.5		P	80 - 120

Reference Method: SM 5310 B-2011

Run ID: A112851

Included Lab Sample IDs: 2330516, 2330517, 2330518, 2330520

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	93.2	95.2	P/P	90 - 110
Organic Carbon	96.2	93.2	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A112918

Included Lab Sample IDs: 2330539, 2330540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Octinoxate	94.5		P	80 - 120

Quality Assurance Report

Calibration Verification

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

Control limits for initial calibration checks may be different from those for continuing checks, depending on method requirements.

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision SMP	MS
EPA 180.1 Rev. 2.0	Turbidity	96.8				2.95	
EPA 200.7 Rev. 4.4	Calcium	108	111				1.46
	Iron	105	107	106			0.722
	Magnesium	107					1.33
	Strontium	103	93.3	101			4.81
	Tin	104	76.2	83.1			8.57
	Titanium	101	96.4	100			3.29
	Vanadium	94.5	90.5	93.6			3.36
	Zinc	104	94.9	98.8			4.11
EPA 200.8 Rev. 5.4	Aluminum	99.9	112	114			1.83
	Antimony	98.1	97.7	98.6			0.950
	Arsenic	97.5	109	111			1.80
	Beryllium	90.6	109	101			6.84
	Cadmium	96.7	96.0	95.8			0.190
	Chromium	95.3	96.1	96.9			0.773
	Cobalt	97.2	109	109			0.217
	Copper	94.9	105	103			1.10
	Lead	98.9	102	104			1.38
	Manganese	96.8	94.9	96.5			0.889
	Molybdenum	97.7	110	110			0.774
	Nickel	96.5	108	109			0.186
	Selenium	96.2	102	103			1.16
	Silver	97.8	90.3	91.4			1.20
	Thallium	101	104	106			1.91
EPA 350.1 Rev. 2.0	Ammonia-N	96.2	97.2	98.0			0.742
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	105	103	106			2.42
EPA 353.2 Rev. 2.0	NO ₂ NO ₃ -N	100	102	102			0.491
	NO ₂ NO ₃ -N	100	101	100			0.421
EPA 365.1 Rev. 2.0	Total-P	103	94.6	97.5			2.78
EPA 8270E	Acetochlor	103	85.4	84.2			1.39
	Alachlor	90.0	74.0	72.5			1.99
	Aldrin	55.4	69.5	69.8			0.393
	Alpha-BHC	96.3	94.8	94.9			0.0560
	Alpha-Chlordane	88.4	82.2	80.1			2.57
	Ametryn	108					7.41
	Atrazine	106					23.8
	Atrazine Desethyl	116					8.48
	Avobenzone	130	118	119			0.436
	Azinphos Methyl	107	76.8	84.9			10.1
	Azoxystrobin	115	187	169			9.80
	Beta-BHC	104	127	132			3.52
	Beta-Cyfluthrin	98.6	92.7	86.0			7.48
	Bifenthrin	84.1	81.2	77.3			4.98
	Bromacil	87.2	74.5	69.2			7.37
	Butylate	63.1	39.2	28.8			30.7
	Caffeine	69.8	106	96.7			8.94
	Carbophenothion	89.7	67.2	66.9			0.341
	Carfentrazone Ethyl	110	79.9	78.5			1.78
	Chlorfenapyr	85.4	69.7	61.4			12.8
	Chlorothalonil	124	239	229			4.40
	Chlorpyrifos Ethyl	83.1	84.1	83.4			0.818
	Chlorpyrifos Methyl	94.6	81.0	80.6			0.538
	Cis-Nonachlor	74.8	64.0	65.5			2.30
	Coumaphos	93.6	62.3	68.0			8.75

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Cyanazine	103	86.0	86.2		0.162
	Cypermethrin	97.7	94.0	87.6		7.02
	Cyprodinil	99.9	83.4	84.3		1.09
	Dacthal	96.7	97.5	97.9		0.409
	DDD-p,p'	80.7	73.6	70.8		3.84
	DDE-p,p'	83.8	78.5	77.6		1.17
	DDT-p,p'	83.0	86.2	81.1		6.09
	Delta-BHC	115	144	149		3.15
	Deltamethrin	84.8	60.7	90.3		39.3
	Demeton	78.5	69.2	72.1		4.13
	Diazinon	96.2	90.3	86.8		3.87
	Dichlobenil	79.7	49.2	48.1		2.10
	Dicofol	155	277	247		11.6
	Dieldrin	85.9	82.6	78.9		4.53
	Difenoconazole	127	89.1	103		14.9
	Dimethenamid	82.8	66.6	69.1		3.71
	Dimethomorph	107	171	121		34.4
	Disulfoton	87.1	82.9	77.2		7.08
	Dithiopyr	86.3	68.1	67.4		0.963
	Endosulfan I	89.6	87.2	85.7		1.69
	Endosulfan II	93.7	84.5	82.2		2.75
	Endosulfan Sulfate	94.5	88.3	80.8		8.85
	Endrin	90.1	76.2	78.8		3.43
	Endrin Aldehyde	90.1	79.6	77.3		2.85
	Endrin Ketone	100	111	106		5.36
	EPTC	59.6	30.6	25.4		18.7
	Esfenvalerate	98.5	97.2	90.7		6.95
	Ethalfuralin	84.0	88.7	90.6		2.21
	Ethion	77.2	42.6	63.8		39.7
	Ethoprop	86.1	90.9	89.3		1.82
	Etridiazole	63.6	42.5	35.4		18.3
	Fenamiphos	87.0	62.4	85.8		31.5
	Fenbuconazole	95.3	71.4	71.9		0.708
	Fenpropathrin	97.3	105	93.4		11.4
	Fipronil	105	83.0	82.3		0.723
	Fipronil Desulfinyl	106				1.75
	Fipronil Sulfide	93.4	89.7	87.1		1.72
	Fipronil Sulfone	82.8	68.8	61.8		3.05
	Fluazifop-P-butyl	104	79.3	79.9		0.803
	Fludioxonil	93.9	75.4	72.6		3.71
	Flumioxazin	147	111	122		9.85
	Flutolanil	102	74.8	78.4		4.11
	Fluxapyroxad	88.7	57.1	66.0		12.0
	Fonofos	86.2	88.5	85.0		4.12
	Gamma-BHC	103	108	106		2.28
	Gamma-Chlordane	80.4	83.7	79.6		4.93
	Heptachlor	73.8	83.5	81.4		2.58
	Heptachlor Epoxide	83.6	109	93.7		15.0
	Hexachlorobenzene	71.1	78.1	81.8		4.70
	Hexazinone	93.3	88.1	87.6		0.562
	Imazalil	84.3	195	168		14.6
	Iprodione	93.8	78.2	75.0		4.17
	Kepone	186	137	146		6.23
	Lambda-Cyhalothrin	88.8	86.4	81.8		5.42

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Loratadine	104	168	118			34.9
	Malathion	82.3	72.2	71.1			1.45
	Metalaxyl	87.5	81.4	68.0			17.9
	Methoprene	75.9	85.1	84.4			0.724
	Methoxychlor	97.5	115	109			4.73
	Metolachlor	84.7	62.3	66.7			4.85
	Metribuzin	89.2	94.4	76.2			21.3
	Mevinphos	78.7	77.1	77.2			0.131
	MGK-264	83.9	88.0	86.4			1.66
	Mirex	75.3	70.2	67.1			4.53
	Molinate	69.6	54.2	49.4			9.35
	Myclobutanil	91.2	75.5	78.1			2.00
	Naled	82.9	71.4	72.2			1.11
	Napropamide	85.2	60.2	64.3			6.59
	Norflurazon	86.5	64.7	60.0			7.58
	Octinoxate	102	66.5	51.7			18.1
	Oxadiazon	77.8					16.7
	Oxybenzone	102	100	96.3			3.82
	Oxychlordane	77.8	82.8	80.2			3.31
	Oxyfluorfen	113	93.0	96.1			3.30
	Parathion Ethyl	88.2	81.6	82.2			0.753
	Parathion Methyl	118	119	119			0.0758
	PCB-1016	81.1	95.3	99.5			4.28
	PCB-1260	101	90.3	90.2			0.100
	Pendimethalin	101	99.6	102			2.47
	Permethrin	95.1	97.6	90.6			7.44
	Phenothrin	72.6	78.8	79.9			1.39
	Phenytol	41.8	27.7	31.5			12.6
	Phorate	76.6	70.6	75.1			6.14
	Piperonyl Butoxide	107	113	108			3.69
	Prallethrin	78.3	101	92.3			9.35
	Prodiamine	39.7	39.1	43.3			10.2
	Prometon	71.2	71.4	66.5			7.10
	Prometryn	99.6	85.5	82.1			4.08
	Pronamide	104	86.1	86.0			0.0203
	Propanil	138	122	116			5.34
	Propargite	74.0	45.5	47.8			4.94
	Propiconazole	98.6	91.9	88.3			2.08
	Pyraflufen Ethyl	93.9	71.5	66.7			6.94
	Pyridaben	93.6	97.2	80.7			18.6
	Pyriproxyfen	96.5	57.9	67.9			15.9
	Simazine	101	93.9	61.7			4.45
	Stirophos	71.5	43.6	53.6			20.6
	Sulfentrazone	91.6					2.24
	Tau-Fluvalinate	94.2	87.2	83.1			4.77
	Tebuconazole	60.7	37.7	52.4			23.7
	Terbufos	98.6	101	98.9			2.37
	Terbuthylazine	91.3	80.7	82.6			2.35
	Tetramethrin	93.5	122	113			7.41
	Thiobencarb	82.2	67.8	55.0			20.9
	Trans-Nonachlor	76.8	76.2	72.2			5.36
	Triadimefon	83.8	71.6	74.8			4.32
	Triclosan Methyl	87.4	82.9	82.5			0.469
	Trifluralin	84.0	86.1	83.6			2.94

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8276	Chlordane	105	92.8	94.6			1.97
	Toxaphene	98.8	99.7	102			2.36
EPA 8321B	2,4-D	80.5	100	90.6			10.3
	2,4,5-T	63.7	75.2	71.6			4.90
	3-Hydroxycarbofuran	95.5	106	112			5.71
	Acesulfame K	139	123	122			0.414
	Acetaminophen	72.0	105	99.1			5.50
	Acetamiprid	93.9	95.7	95.8			0.170
	Afidopyropen	79.8	52.0	60.1			14.4
	Aldicarb	84.3	85.4	90.4			5.76
	Aldicarb Sulfone	99.9	109	115			5.61
	Aldicarb Sulfoxide	97.2	50.5	52.8			4.56
	AMPA	102	98.5	93.8			4.89
	Bentazon	96.8	104	96.4			7.49
	Benzovindiflupyr	95.1	111	103			7.32
	Carbamazepine	96.7	118	105			11.7
	Carbaryl	76.9	71.5	76.9			7.22
	Carbofuran	88.5	81.5	91.7			11.8
	Clothianidin	105	114	104			9.34
	Dinotefuran	100	126	116			7.81
	Diuron	97.0	105	103			1.78
	Endothall	96.3	95.2	94.1			1.12
	Fenuron	105	105	99.1			5.71
	Fluridone	95.1	89.0	90.8			2.01
	Glufosinate	96.6	91.9	94.2			2.43
	Glyphosate	94.5	86.4	92.0			6.36
	Hydrocodone	90.9	59.9	68.5			13.4
	Ibuprofen	100	94.8	100			5.75
	Imazapyr	102	109	95.6			12.1
	Imidacloprid	94.9	121	113			7.07
	Linuron	56.1	94.5	91.6			3.15
	Mandestrobin	94.1	98.0	95.2			2.86
	MCPP	93.4	125	109			13.4
	Methiocarb	70.2	68.2	74.5			8.86
	Methomyl	93.7	86.7	93.3			7.37
	Naproxen	70.3	78.7	77.9			0.948
	Oxamyl	100	99.1	104			4.78
	Primidone	96.4	104	101			2.85
	Propoxur	91.8	86.9	92.3			6.06
	Pyraclostrobin	86.4	98.5	95.1			3.49
	Silvex	62.1	66.5	66.7			0.309
	Sucralose	101	98.1	95.9			1.57
	Thiamethoxam	95.2	121	114			5.66
	Tolfenpyrad	48.1	59.1	53.8			9.42
	Triclopyr	63.9	75.7	74.6			1.38
SM 2320 B-2011	Total Alkalinity	102				2.60	
SM 2540 D-2011	TSS					7.50	
SM 4500-F- C-2011	Fluoride	97.9	98.2	98.9			0.520
SM 5310 B-2011	Organic Carbon	94.4	89.6	87.4			1.89

Reference Method Descriptions

Method	Description	Associated Samples
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Reference Method Descriptions

Method	Description	Associated Samples
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2330513, 2330514, 2330515, 2330519
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2330541, 2330542, 2330543
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2330541, 2330542, 2330543
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2330516, 2330517, 2330518, 2330520
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2330516, 2330517, 2330518, 2330520
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2330516, 2330517, 2330518, 2330520
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2330516, 2330517, 2330518, 2330520
EPA 8270E	Analysis of Sunscreen Compounds in Water by GC/MS-SIM	2330539, 2330540
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2330537, 2330538
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2330539, 2330540
EPA 8270E	PCBs in water matrices by GC/MS/MS	2330537, 2330538
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2330537, 2330538
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2330533, 2330534
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2330535, 2330536
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2330513, 2330514, 2330515, 2330519
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2330513, 2330514, 2330515, 2330519
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2330513, 2330514, 2330515, 2330519
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2330516, 2330517, 2330518, 2330520

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 180.1 Rev. 2.0	05/27/2022			05/27/2022 14:37	Khloe J Berg	2330514
	05/27/2022			05/27/2022 14:44	Khloe J Berg	2330513
	05/27/2022			05/27/2022 14:47	Khloe J Berg	2330515
	05/27/2022			05/27/2022 14:48	Khloe J Berg	2330519
EPA 200.7 Rev. 4.4	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 07:11	McKinley C Carter	2330541
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 07:47	McKinley C Carter	2330541
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 07:55	McKinley C Carter	2330542
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 08:03	McKinley C Carter	2330542
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 08:11	McKinley C Carter	2330543
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 08:19	McKinley C Carter	2330543
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 19:44	McKinley C Carter	2330541
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 19:52	McKinley C Carter	2330542
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/08/2022 20:00	McKinley C Carter	2330543
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/10/2022 00:11	McKinley C Carter	2330541
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/10/2022 00:19	McKinley C Carter	2330542
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/10/2022 00:27	McKinley C Carter	2330543
EPA 200.8 Rev. 5.4	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/03/2022 15:15	Alexander Thompson	2330541
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/03/2022 16:23	Alexander Thompson	2330542
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/03/2022 16:32	Alexander Thompson	2330543
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/03/2022 18:38	Alexander Thompson	2330541
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/03/2022 18:47	Alexander Thompson	2330542
	05/27/2022	06/02/2022 09:40	Megan Whitefoot	06/03/2022 18:57	Alexander Thompson	2330543
EPA 350.1 Rev. 2.0	05/27/2022			06/09/2022 12:03	Judith K. Clark	2330516
	05/27/2022			06/09/2022 12:05	Judith K. Clark	2330517
	05/27/2022			06/09/2022 12:06	Judith K. Clark	2330518
	05/27/2022			06/09/2022 12:07	Judith K. Clark	2330520
EPA 351.2 Rev. 2.0	05/27/2022	06/07/2022 09:42	Samantha L Bates	06/08/2022 11:16	Alexandra J Mattheus	2330516
	05/27/2022	06/07/2022 09:42	Samantha L Bates	06/08/2022 11:24	Alexandra J Mattheus	2330517
	05/27/2022	06/07/2022 09:42	Samantha L Bates	06/08/2022 11:26	Alexandra J Mattheus	2330518
	05/27/2022	06/07/2022 09:42	Samantha L Bates	06/08/2022 11:27	Alexandra J Mattheus	2330520
EPA 353.2 Rev. 2.0	05/27/2022			06/09/2022 15:43	Nathaniel J Jones	2330516
	05/27/2022			06/09/2022 15:50	Nathaniel J Jones	2330517
	05/27/2022			06/09/2022 15:56	Nathaniel J Jones	2330518
	05/27/2022			06/09/2022 15:57	Nathaniel J Jones	2330520
EPA 365.1 Rev. 2.0	05/27/2022	06/01/2022 16:00	Adam P Silver	06/02/2022 11:55	James L Waggeberby	2330518
	05/27/2022	06/01/2022 16:00	Adam P Silver	06/02/2022 14:36	James L Waggeberby	2330516
	05/27/2022	06/01/2022 16:00	Adam P Silver	06/02/2022 14:37	James L Waggeberby	2330517
	05/27/2022	06/01/2022 16:00	Adam P Silver	06/02/2022 14:38	James L Waggeberby	2330520
EPA 8270E	05/27/2022	05/31/2022 08:00	Fe-Val Siddell	06/02/2022 07:05	Arthur Maknenko	2330537
	05/27/2022	05/31/2022 08:00	Fe-Val Siddell	06/02/2022 07:36	Arthur Maknenko	2330538

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	05/27/2022	05/31/2022 08:00	Fe-Val Siddell	06/02/2022 22:49	Michael Poppell	2330537
	05/27/2022	05/31/2022 08:00	Fe-Val Siddell	06/02/2022 23:18	Michael Poppell	2330538
	05/27/2022	06/01/2022 08:00	Rasheda Ghaffari	06/06/2022 15:23	Vandana T. Nagar	2330540
	05/27/2022	06/01/2022 08:00	Rasheda Ghaffari	06/06/2022 17:09	Vandana T. Nagar	2330539
	05/27/2022	06/01/2022 08:00	Rasheda Ghaffari	06/08/2022 15:05	Vandana T. Nagar	2330540
	05/27/2022	06/01/2022 08:00	Rasheda Ghaffari	06/08/2022 15:59	Vandana T. Nagar	2330539
	05/27/2022	06/01/2022 08:00	Rasheda Ghaffari	06/09/2022 14:10	Arthur Maknenko	2330540
	05/27/2022	06/01/2022 08:00	Rasheda Ghaffari	06/09/2022 14:49	Arthur Maknenko	2330539
	05/27/2022	06/13/2022 08:00	Rasheda Ghaffari	06/16/2022 22:19	Arthur Maknenko	2330539
	05/27/2022	06/13/2022 08:00	Rasheda Ghaffari	06/16/2022 22:39	Arthur Maknenko	2330540
EPA 8276	05/27/2022	05/31/2022 08:00	Fe-Val Siddell	06/03/2022 14:12	Julie Wi	2330537
	05/27/2022	05/31/2022 08:00	Fe-Val Siddell	06/03/2022 15:07	Julie Wi	2330538
EPA 8321B	05/27/2022	05/27/2022 12:30	Umesh Chiluwal	05/27/2022 14:10	Umesh Chiluwal	2330535
	05/27/2022	05/27/2022 12:30	Umesh Chiluwal	05/27/2022 14:23	Umesh Chiluwal	2330536
	05/27/2022	05/27/2022 12:30	Umesh Chiluwal	05/28/2022 03:42	Umesh Chiluwal	2330535
	05/27/2022	05/27/2022 12:30	Umesh Chiluwal	05/28/2022 03:57	Umesh Chiluwal	2330536
	05/27/2022	05/27/2022 12:30	Umesh Chiluwal	05/28/2022 17:17	Umesh Chiluwal	2330536
	05/27/2022	05/31/2022 09:00	Hoor Shaik	06/01/2022 14:24	Juyoung Kim	2330533
	05/27/2022	05/31/2022 09:00	Hoor Shaik	06/01/2022 14:59	Juyoung Kim	2330534
	05/27/2022	05/31/2022 09:30	June Rhew	06/01/2022 05:42	Juyoung Kim	2330535
	05/27/2022	05/31/2022 09:30	June Rhew	06/01/2022 06:17	Juyoung Kim	2330536
	05/27/2022	05/31/2022 09:30	June Rhew	06/01/2022 10:55	Juyoung Kim	2330535
	05/27/2022	05/31/2022 09:30	June Rhew	06/01/2022 11:30	Juyoung Kim	2330536
	05/27/2022			06/03/2022 10:36	Dale L. Simmons	2330519
	05/27/2022			06/03/2022 11:27	Dale L. Simmons	2330513
	05/27/2022			06/03/2022 11:40	Dale L. Simmons	2330514
	05/27/2022			06/03/2022 11:53	Dale L. Simmons	2330515
SM 2540 D-2011	05/27/2022			06/01/2022 14:08	Yijie Li	2330513, 2330514, 2330515, 2330519
SM 4500-F- C-2011	05/27/2022			06/03/2022 08:46	Dale L. Simmons	2330519
	05/27/2022			06/03/2022 09:16	Dale L. Simmons	2330513
	05/27/2022			06/03/2022 09:22	Dale L. Simmons	2330514
	05/27/2022			06/03/2022 09:59	Dale L. Simmons	2330515
SM 5310 B-2011	05/27/2022			06/15/2022 00:51	Khloe J Berg	2330516
	05/27/2022			06/15/2022 01:20	Khloe J Berg	2330517
	05/27/2022			06/15/2022 01:36	Khloe J Berg	2330518
	05/27/2022			06/15/2022 02:24	Khloe J Berg	2330520