

Chemical Analysis Report

WAS-SECT-2019-03-20-01

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

Event Description: **G1 Streams**
Request ID: **RQ-2019-03-18-20**
Customer: **WAS-SECT**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
Attn: Curtis Musson

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Certified by: Colin Wright, Program Administrator

Date Certified: 10-APR-2019 12:50

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light gray rectangular background.

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: QUINCY CREEK 100 METERS UPSTREAM OF
RALPH STRONG RD**

Collection Date/Time: 03/20/2019 10:58

Field ID: G1WA0018

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071513	EPA 180.1 Rev. 2.0	Turbidity	15	A	NTU	P360792	
	EPA 300.0 Rev. 2.1	Chloride	4.9		mg Cl/L	P361126	
		Sulfate	0.64		mg SO4/L	P361128	
	SM 2120 B	Color (true)	23		PCU	P360826	
	SM 2320 B-97	Total Alkalinity	19		mg CaCO3/L	P361323	
	SM 2540 C-97	TDS	38		mg/L	P361341	
	SM 2540 D-97	TSS	19		mg/L	P361352	
	SM 4500 F-C-97	Fluoride	0.082	I	mg F/L	P361327	
2071514	EPA 350.1 Rev. 2.0	Ammonia-N	0.041		mg N/L	P361181	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.36		mg N/L	P360982	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.26		mg N/L	P360971	
	EPA 365.1 Rev. 2.0	Total-P	0.13		mg P/L	P361121	
	SM 5310 B-00	Organic Carbon	3.7		mg C/L	P360965	
2071515	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.034		mg P/L	P360797	
2071545	EPA 8321B	Aldicarb	0.020	U	ug/L	P360773	
		Aldicarb Sulfone	0.0020	U	ug/L	P360773	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P360773	
		Carbaryl	0.0020	U	ug/L	P360773	
		Carbofuran	0.0020	U	ug/L	P360773	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P360773	
		Methiocarb	0.0020	U	ug/L	P360773	
		Methomyl	0.0020	U	ug/L	P360773	
		Oxamyl	0.0020	U	ug/L	P360773	
		Propoxur	0.0020	U	ug/L	P360773	
2071546		2,4-D	0.0020	U	ug/L	P360773	
		Acesulfame K**	0.10	U	ug/L	P360764	MS
		AMPA**	0.10	U	ug/L	P360764	
		Sucralose**	0.17		ug/L	P361315	
		Acetaminophen**	0.0080	U	ug/L	P360773	
		Endothall**	0.25	U	ug/L	P360764	
		Glufosinate**	0.10	U	ug/L	P360764	
		Bentazon	8.0E-04	U	ug/L	P360773	
		Glyphosate**	0.10	U	ug/L	P360764	
		Carbamazepine**	8.0E-04	U	ug/L	P360773	
		Diuron	0.0020	U	ug/L	P360773	
		Fenuron	0.016	U	ug/L	P360773	
		Fluridone**	8.0E-04	U	ug/L	P360773	
		Imazapyr**	0.0040	U	ug/L	P360773	
		Hydrocodone**	0.0020	U	ug/L	P360773	
		Ibuprofen**	0.020	U	ug/L	P360773	
		Imidacloprid	0.0034	IJ	ug/L	P360773	MS
		Linuron	0.0040	U	ug/L	P360773	

Field ID: G1WA0018

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071546	EPA 8321B	MCP	0.0020	U	ug/L	P360773	
		Naproxen**	0.0080	U	ug/L	P360773	
		Primidone**	0.0040	U	ug/L	P360773	
		Pyraclostrobin**	0.0020	U	ug/L	P360773	
		Triclopyr**	0.0040	U	ug/L	P360773	
2071551	EPA 8270D	Aldrin	4.2	U	ng/L	P360935	
		Alpha-BHC	2.1	U	ng/L	P360935	
		Alpha-Chlordane	1.0	U	ng/L	P360935	
		Beta-BHC	10	UJ	ng/L	P360935	LCS, MS
		Delta-BHC	10	U	ng/L	P360935	
		Gamma-BHC	10	UJ	ng/L	P360935	LCS
		Carbophenothion	12	U	ng/L	P360935	
		Chlorothalonil	2.1	U	ng/L	P360935	
		Cypermethrin	21	U	ng/L	P360935	
		DDD-p,p'	8.3	U	ng/L	P360935	
		DDE-p,p'	8.3	U	ng/L	P360935	
		DDT-p,p'	10	U	ng/L	P360935	
		Dicofol	31	U	ng/L	P360935	
		Dieldrin	4.2	U	ng/L	P360935	
		Endosulfan I	4.2	U	ng/L	P360935	
		Endosulfan II	4.2	U	ng/L	P360935	
		Endosulfan Sulfate	2.1	UJ	ng/L	P360935	LCS
		Endrin	2.1	U	ng/L	P360935	
		Endrin Aldehyde	2.1	U	ng/L	P360935	
		Endrin Ketone	2.1	U	ng/L	P360935	
		Gamma-Chlordane	1.0	U	ng/L	P360935	
		Heptachlor	1.6	U	ng/L	P360935	
		Heptachlor Epoxide	2.1	U	ng/L	P360935	
		Methoxychlor	4.2	U	ng/L	P360935	
		Mirex	2.1	U	ng/L	P360935	
		Permethrin	10	U	ng/L	P360935	
		Trifluralin	2.6	U	ng/L	P360935	
	EPA 8276	Chlordane	5.2	U	ng/L	P360935	
		Toxaphene	31	UJ	ng/L	P360935	CCV, RPD
2071552	EPA 8270D	Acetochlor	0.26	U	ng/L	P360892	
		Alachlor	0.26	U	ng/L	P360892	
		Ametryn	0.61	U	ng/L	P360892	
		Atrazine	0.41	I	ng/L	P360892	
		Atrazine Desethyl	1.5	U	ng/L	P360892	RPD
		Azinphos Methyl	5.1	U	ng/L	P360892	
		Bromacil	18		ng/L	P360892	
		Butylate	0.41	U	ng/L	P360892	
		Chlorpyrifos Ethyl	0.26	U	ng/L	P360892	MS, RPD
		Chlorpyrifos Methyl	0.10	U	ng/L	P360892	
		Cyanazine	3.3	U	ng/L	P360892	

Field ID: G1WA0018

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071552	EPA 8270D	Demeton	7.1	U	ng/L	P360892	MS, RPD
		Diazinon	0.13	U	ng/L	P360892	
		Dimethenamid**	0.10	U	ng/L	P360892	MS, RPD
		Disulfoton	0.51	U	ng/L	P360892	MS, RPD
		Dithiopyr**	0.10	U	ng/L	P360892	
		EPTC	1.3	U	ng/L	P360892	RPD
		Ethion	0.15	U	ng/L	P360892	
		Ethoprop	0.10	U	ng/L	P360892	MS, RPD
		Fenamiphos	0.51	U	ng/L	P360892	RPD
		Fipronil	0.26	U	ng/L	P360892	
		Fipronil Desulfinyl**	0.13	U	ng/L	P360892	
		Fipronil Sulfide	0.15	U	ng/L	P360892	
		Fipronil Sulfone	0.15	U	ng/L	P360892	
		Fonofos	0.20	U	ng/L	P360892	
		Hexazinone	0.51	U	ng/L	P360892	
		Malathion	0.36	U	ng/L	P360892	
		Metalaxyl	0.31	U	ng/L	P360892	
		Metolachlor	2.2		ng/L	P360892	
		Metribuzin	0.77	UJ	ng/L	P360892	RPD
		Mevinphos	0.51	U	ng/L	P360892	MS, RPD
		Molinate	0.31	U	ng/L	P360892	RPD
		Norflurazon	0.51	U	ng/L	P360892	
		Oxadiazon**	0.10	U	ng/L	P360892	
		Parathion Ethyl	0.26	U	ng/L	P360892	
		Parathion Methyl	0.56	U	ng/L	P360892	
		Pendimethalin	1.0	U	ng/L	P360892	
		Phorate	0.26	U	ng/L	P360892	MS, RPD
		Prodiamine**	0.18	U	ng/L	P360892	
		Prometon	0.92	U	ng/L	P360892	
		Prometryn	0.20	U	ng/L	P360892	
		Simazine	0.51	U	ng/L	P360892	
		Tebuconazole**	0.51	UJ	ng/L	P360892	LCS, MS, RPD
		Terbufos	0.10	U	ng/L	P360892	
		Terbuthylazine	0.43	U	ng/L	P360892	
2071557	EPA 200.7 Rev. 4.4	Barium	19.6		ug/L	P360970	
		Calcium	6.75		mg/L	P360970	
		Iron	2.33E+03		ug/L	P360970	
		Magnesium	2.34		mg/L	P360970	
		Potassium	0.36	I	mg/L	P360970	
		Sodium	3.4		mg/L	P360970	
		Zinc	5.0	U	ug/L	P360970	
	EPA 200.8 Rev. 5.4	Aluminum	792		ug/L	P360970	
		Antimony	0.050	U	ug/L	P360970	
		Arsenic	0.71		ug/L	P360970	

Field ID: G1WA0018

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071557	EPA 200.8 Rev. 5.4	Boron**	9.5		ug/L	P360970	
		Cadmium	0.020	U	ug/L	P360970	
		Chromium	1.2	I	ug/L	P360970	
		Copper	0.40	U	ug/L	P360970	
		Lead	0.75		ug/L	P360970	
		Nickel	0.50	U	ug/L	P360970	
		Selenium	0.20	U	ug/L	P360970	
		Silver	0.010	U	ug/L	P360970	
		Thallium	0.10	U	ug/L	P360970	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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

EPA 8321B: Refer to the narrative for an explanation of QC Codes.

EPA 8270D: Refer to the narrative for an explanation of QC Codes.

EPA 8276: Refer to the narrative for an explanation of QC Codes.

EPA 8270D: MS accuracies for alachlor and metolachlor not assessed due to high content of these parameters in the sample spiked. Refer to the narrative for an explanation of QC Codes.

EPA 200.8 Rev. 5.4: The lead result was confirmed on 04/04/2019.

Sample Location: Swamp Creek upstream of Railroad

Collection Date/Time: 03/20/2019 12:28

Field ID: G1WA0052

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071516	EPA 180.1 Rev. 2.0	Turbidity	17		NTU	P360792	
	EPA 300.0 Rev. 2.1	Chloride	7.3		mg Cl/L	P361127	
		Sulfate	2.0		mg SO4/L	P361129	
	SM 2120 B	Color (true)	50	A	PCU	P360826	
	SM 2320 B-97	Total Alkalinity	17		mg CaCO3/L	P361323	
	SM 2540 C-97	TDS	67		mg/L	P361341	
	SM 2540 D-97	TSS	11		mg/L	P361352	
	SM 4500 F-C-97	Fluoride	0.10		mg F/L	P361327	
2071517	EPA 350.1 Rev. 2.0	Ammonia-N	0.24		mg N/L	P361181	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.85		mg N/L	P360982	
	EPA 353.2 Rev. 2.0	NO2NO3-N	1.5		mg N/L	P360971	
	EPA 365.1 Rev. 2.0	Total-P	0.10		mg P/L	P361121	
	SM 5310 B-00	Organic Carbon	7.3		mg C/L	P360965	
2071518	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.044		mg P/L	P360797	
2071547	EPA 8321B	Aldicarb	0.020	U	ug/L	P360773	
		Aldicarb Sulfone	0.0020	U	ug/L	P360773	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P360773	
		Carbaryl	0.0020	U	ug/L	P360773	
		Carbofuran	0.0020	U	ug/L	P360773	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P360773	
		Methiocarb	0.0020	U	ug/L	P360773	
		Methomyl	0.0020	U	ug/L	P360773	
		Oxamyl	0.0020	U	ug/L	P360773	
		Propoxur	0.0020	U	ug/L	P360773	
2071548		2,4-D	0.0025	I	ug/L	P360773	
		Acesulfame K**	0.10	U	ug/L	P360764	MS
		AMPA**	0.10	U	ug/L	P360764	
		Sucralose**	0.27		ug/L	P361315	
		Acetaminophen**	0.0080	U	ug/L	P360773	
		Endothall**	0.25	U	ug/L	P360764	
		Glufosinate**	0.10	U	ug/L	P360764	
		Bentazon	0.0034		ug/L	P360773	
		Glyphosate**	0.10	U	ug/L	P360764	
		Carbamazepine**	8.0E-04	U	ug/L	P360773	
		Diuron	0.0028	I	ug/L	P360773	
		Fenuron	0.016	U	ug/L	P360773	
		Fluridone**	8.0E-04	U	ug/L	P360773	
		Imazapyr**	0.0087	I	ug/L	P360773	
		Hydrocodone**	0.0020	U	ug/L	P360773	
		Ibuprofen**	0.020	U	ug/L	P360773	
		Imidacloprid	0.0030	I	ug/L	P360773	MS
		Linuron	0.0040	U	ug/L	P360773	
		MCP	0.0043	I	ug/L	P360773	

Field ID: G1WA0052

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071548	EPA 8321B	Naproxen**	0.0080	U	ug/L	P360773	
		Primidone**	0.0040	U	ug/L	P360773	
		Pyraclostrobin**	0.0020	U	ug/L	P360773	
		Triclopyr**	0.0040	U	ug/L	P360773	
2071553	EPA 8270D	Aldrin	4.1	U	ng/L	P360935	
		Alpha-BHC	2.1	U	ng/L	P360935	
		Alpha-Chlordane	1.0	U	ng/L	P360935	
		Beta-BHC	10	UJ	ng/L	P360935	LCS, MS
		Bifenthrin**	4.1	U	ng/L	P360935	
		Delta-BHC	10	U	ng/L	P360935	
		Gamma-BHC	10	UJ	ng/L	P360935	LCS
		Carbophenothion	12	U	ng/L	P360935	
		Chlorothalonil	2.1	U	ng/L	P360935	
		Cis-Nonachlor**	1.0	U	ng/L	P360935	
		Cypermethrin	21	U	ng/L	P360935	
		DDD-p,p'	8.2	U	ng/L	P360935	
		DDE-p,p'	8.2	U	ng/L	P360935	
		DDT-p,p'	10	U	ng/L	P360935	
		Dicofol	31	U	ng/L	P360935	
		Dieldrin	4.1	U	ng/L	P360935	
		Endosulfan I	4.1	U	ng/L	P360935	
		Endosulfan II	4.1	U	ng/L	P360935	
		Endosulfan Sulfate	2.1	UJ	ng/L	P360935	LCS
		Endrin	2.1	U	ng/L	P360935	
		Endrin Aldehyde	2.1	U	ng/L	P360935	
		Endrin Ketone	2.1	U	ng/L	P360935	
		Ethalfuralin**	3.1	U	ng/L	P360935	
		Gamma-Chlordane	1.0	U	ng/L	P360935	
		Heptachlor	1.5	U	ng/L	P360935	
		Heptachlor Epoxide	2.1	U	ng/L	P360935	
		Hexachlorobenzene**	2.1	U	ng/L	P360935	
		Methoxychlor	4.1	U	ng/L	P360935	
		Mirex	2.1	U	ng/L	P360935	
		Permethrin	10	U	ng/L	P360935	
		Trans-Nonachlor**	1.0	U	ng/L	P360935	
		Trifluralin	2.6	U	ng/L	P360935	
		Chlordane	5.1	U	ng/L	P360935	
		Toxaphene	31	UJ	ng/L	P360935	CCV, RPD
2071554	EPA 8270D	Acetochlor	0.85	I	ng/L	P360892	
		Alachlor	0.25	U	ng/L	P360892	
		Ametryn	0.60	U	ng/L	P360892	
		Atrazine	6.2		ng/L	P360892	
		Atrazine Desethyl	1.6	I	ng/L	P360892	RPD
		Azinphos Methyl	5.0	U	ng/L	P360892	
		Bromacil	1.6	I	ng/L	P360892	

Field ID: G1WA0052

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071554	EPA 8270D	Butylate	0.40	U	ng/L	P360892	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P360892	MS, RPD
		Chlorpyrifos Methyl	0.10	U	ng/L	P360892	
		Cyanazine	3.3	U	ng/L	P360892	
		Demeton	7.0	U	ng/L	P360892	MS, RPD
		Diazinon	0.13	U	ng/L	P360892	
		Dimethenamid**	0.10	U	ng/L	P360892	MS, RPD
		Disulfoton	0.50	U	ng/L	P360892	MS, RPD
		Dithiopyr**	0.10	U	ng/L	P360892	
		EPTC	1.3	U	ng/L	P360892	RPD
		Ethion	0.15	U	ng/L	P360892	
		Ethoprop	0.10	U	ng/L	P360892	MS, RPD
		Fenamiphos	0.50	U	ng/L	P360892	RPD
		Fipronil	0.25	U	ng/L	P360892	
		Fipronil Desulfinyl**	0.13	U	ng/L	P360892	
		Fipronil Sulfide	0.15	U	ng/L	P360892	
		Fipronil Sulfone	0.15	U	ng/L	P360892	
		Fonofos	0.20	U	ng/L	P360892	
		Hexazinone	0.94	I	ng/L	P360892	
		Malathion	0.35	U	ng/L	P360892	
		Metaxyl	0.38	I	ng/L	P360892	
		Metolachlor	41		ng/L	P360892	
		Metribuzin	3.9	J	ng/L	P360892	RPD
		Mevinphos	0.50	U	ng/L	P360892	MS, RPD
		Molinate	0.30	U	ng/L	P360892	RPD
		Norflurazon	0.50	U	ng/L	P360892	
		Oxadiazon**	0.10	U	ng/L	P360892	
		Parathion Ethyl	0.25	U	ng/L	P360892	
		Parathion Methyl	0.55	U	ng/L	P360892	
		Pendimethalin	3.5	I	ng/L	P360892	
		Phorate	0.25	U	ng/L	P360892	MS, RPD
		Prodiamine**	0.18	U	ng/L	P360892	
		Prometon	0.91	U	ng/L	P360892	
		Prometryn	0.20	U	ng/L	P360892	
		Simazine	0.50	U	ng/L	P360892	
		Tebuconazole**	1.2	IJ	ng/L	P360892	LCS, MS, RPD
		Terbufos	0.10	U	ng/L	P360892	
		Terbuthylazine	0.43	U	ng/L	P360892	
2071558	EPA 200.7 Rev. 4.4	Barium	21.6		ug/L	P360970	
		Calcium	7.11		mg/L	P360970	
		Iron	2.26E+03		ug/L	P360970	
		Magnesium	2.71		mg/L	P360970	
		Potassium	1.4		mg/L	P360970	
		Sodium	5.9		mg/L	P360970	

Field ID: G1WA0052

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071558	EPA 200.7 Rev. 4.4	Zinc	5.0	U	ug/L	P360970	
	EPA 200.8 Rev. 5.4	Aluminum	655		ug/L	P360970	
		Antimony	0.050	U	ug/L	P360970	
		Arsenic	0.87		ug/L	P360970	
		Boron**	21.7		ug/L	P360970	
		Cadmium	0.020	U	ug/L	P360970	
		Chromium	1.2	I	ug/L	P360970	
		Copper	0.72	I	ug/L	P360970	
		Lead	0.58		ug/L	P360970	
		Nickel	0.50	U	ug/L	P360970	
		Selenium	0.20	U	ug/L	P360970	
		Silver	0.010	U	ug/L	P360970	
		Thallium	0.10	U	ug/L	P360970	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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

EPA 8270D: Refer to the narrative for an explanation of QC Codes.

EPA 8276: Refer to the narrative for an explanation of QC Codes.

EPA 8270D: MS accuracies for alachlor and metolachlor not assessed due to high content of these parameters in the sample spiked. Refer to the narrative for an explanation of QC Codes.

Sample Location: Caney Creek Downstream of 158A

Collection Date/Time: 03/20/2019 08:36

Field ID: G1WA0060

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071519	EPA 180.1 Rev. 2.0	Turbidity	8.8		NTU	P360793	
	EPA 300.0 Rev. 2.1	Chloride	7.4		mg Cl/L	P361127	
		Sulfate	0.88		mg SO4/L	P361129	
	SM 2120 B	Color (true)	79		PCU	P360825	
	SM 2320 B-97	Total Alkalinity	34		mg CaCO3/L	P361323	
	SM 2540 C-97	TDS	67		mg/L	P361342	
	SM 2540 D-97	TSS	4	I	mg/L	P361353	
	SM 4500 F-C-97	Fluoride	0.066	I	mg F/L	P361327	
2071520	EPA 350.1 Rev. 2.0	Ammonia-N	0.34		mg N/L	P361181	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.1		mg N/L	P360982	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.42		mg N/L	P361046	
	EPA 365.1 Rev. 2.0	Total-P	0.70		mg P/L	P361121	
	SM 5310 B-00	Organic Carbon	7.3		mg C/L	P360965	
2071521	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.53		mg P/L	P360797	
2071549	EPA 8321B	Aldicarb	0.020	U	ug/L	P360773	
		Aldicarb Sulfone	0.0020	U	ug/L	P360773	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P360773	
		Carbaryl	0.0020	U	ug/L	P360773	
		Carbofuran	0.0020	U	ug/L	P360773	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P360773	
		Methiocarb	0.0020	U	ug/L	P360773	
		Methomyl	0.0020	U	ug/L	P360773	
		Oxamyl	0.0020	U	ug/L	P360773	
		Propoxur	0.0020	U	ug/L	P360773	
2071550		2,4-D	0.0020	U	ug/L	P360773	
		Acesulfame K**	0.10	U	ug/L	P360764	MS
		AMPA**	0.10	U	ug/L	P360764	
		Sucralose**	0.20		ug/L	P361315	
		Acetaminophen**	0.0080	U	ug/L	P360773	
		Endothall**	0.25	U	ug/L	P360764	
		Glufosinate**	0.10	U	ug/L	P360764	
		Bentazon	8.0E-04	U	ug/L	P360773	
		Glyphosate**	0.10	U	ug/L	P360764	
		Carbamazepine**	9.4E-04	I	ug/L	P360773	
		Diuron	0.0020	U	ug/L	P360773	
		Fenuron	0.016	U	ug/L	P360773	
		Fluridone**	0.010		ug/L	P360773	
		Imazapyr**	0.0040	U	ug/L	P360773	
		Hydrocodone**	0.0020	U	ug/L	P360773	
		Ibuprofen**	0.020	U	ug/L	P360773	
		Imidacloprid	0.0020	U	ug/L	P360773	MS
		Linuron	0.0040	U	ug/L	P360773	
		MCP	0.0020	U	ug/L	P360773	
		MCP	0.0020	U	ug/L	P360773	

Field ID: G1WA0060

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071550	EPA 8321B	Naproxen**	0.0080	U	ug/L	P360773	
		Primidone**	0.0040	U	ug/L	P360773	
		Pyraclostrobin**	0.0020	U	ug/L	P360773	
		Triclopyr**	0.0040	U	ug/L	P360773	
2071555	EPA 8270D	Aldrin	4.3	U	ng/L	P360935	
		Alpha-BHC	2.2	U	ng/L	P360935	
		Alpha-Chlordane	1.1	U	ng/L	P360935	
		Beta-BHC	11	UJ	ng/L	P360935	LCS, MS
		Bifenthrin**	4.3	U	ng/L	P360935	
		Delta-BHC	11	U	ng/L	P360935	
		Gamma-BHC	11	UJ	ng/L	P360935	LCS
		Carbophenothion	13	U	ng/L	P360935	
		Chlorothalonil	2.2	U	ng/L	P360935	
		Cis-Nonachlor**	1.1	U	ng/L	P360935	
		Cypermethrin	22	U	ng/L	P360935	
		DDD-p,p'	8.7	U	ng/L	P360935	
		DDE-p,p'	8.7	U	ng/L	P360935	
		DDT-p,p'	11	U	ng/L	P360935	
		Dicofol	33	U	ng/L	P360935	
		Dieldrin	4.3	U	ng/L	P360935	
		Endosulfan I	4.3	U	ng/L	P360935	
		Endosulfan II	4.3	U	ng/L	P360935	
		Endosulfan Sulfate	2.2	UJ	ng/L	P360935	LCS
		Endrin	2.2	U	ng/L	P360935	
		Endrin Aldehyde	2.2	U	ng/L	P360935	
		Endrin Ketone	2.2	U	ng/L	P360935	
		Ethalfuralin**	3.3	U	ng/L	P360935	
		Gamma-Chlordane	1.1	U	ng/L	P360935	
		Heptachlor	1.6	U	ng/L	P360935	
		Heptachlor Epoxide	2.2	U	ng/L	P360935	
		Hexachlorobenzene**	2.2	U	ng/L	P360935	
		Methoxychlor	4.3	U	ng/L	P360935	
		Mirex	2.2	U	ng/L	P360935	
		Permethrin	11	U	ng/L	P360935	
		Trans-Nonachlor**	1.1	U	ng/L	P360935	
		Trifluralin	2.7	U	ng/L	P360935	
	EPA 8276	Chlordane	5.4	UJ	ng/L	P360935	SUR
		Toxaphene	33	UJ	ng/L	P360935	CCV, RPD, SUR
2071556	EPA 8270D	Acetochlor	0.26	U	ng/L	P360892	
		Alachlor	0.26	U	ng/L	P360892	
		Ametryn	0.63	U	ng/L	P360892	
		Atrazine	0.26	U	ng/L	P360892	
		Atrazine Desethyl	1.6	U	ng/L	P360892	RPD
		Azinphos Methyl	5.2	U	ng/L	P360892	

Field ID: G1WA0060

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071556	EPA 8270D	Bromacil	0.52	U	ng/L	P360892	
		Butylate	0.42	U	ng/L	P360892	
		Chlorpyrifos Ethyl	0.26	U	ng/L	P360892	MS, RPD
		Chlorpyrifos Methyl	0.10	U	ng/L	P360892	
		Cyanazine	3.4	U	ng/L	P360892	
		Demeton	7.3	U	ng/L	P360892	MS, RPD
		Diazinon	0.13	U	ng/L	P360892	
		Dimethenamid**	0.10	U	ng/L	P360892	MS, RPD
		Disulfoton	0.52	U	ng/L	P360892	MS, RPD
		Dithiopyr**	0.10	U	ng/L	P360892	
		EPTC	1.3	U	ng/L	P360892	RPD
		Ethion	0.16	U	ng/L	P360892	
		Ethoprop	0.10	U	ng/L	P360892	MS, RPD
		Fenamiphos	0.52	U	ng/L	P360892	RPD
		Fipronil	0.26	U	ng/L	P360892	
		Fipronil Desulfinyl**	0.13	U	ng/L	P360892	
		Fipronil Sulfide	0.16	U	ng/L	P360892	
		Fipronil Sulfone	0.16	U	ng/L	P360892	
		Fonofos	0.21	U	ng/L	P360892	
		Hexazinone	0.52	U	ng/L	P360892	
		Malathion	0.37	U	ng/L	P360892	
		Metalaxyl	0.31	U	ng/L	P360892	
		Metolachlor	0.52	U	ng/L	P360892	
		Metribuzin	0.78	UJ	ng/L	P360892	RPD
		Mevinphos	0.52	U	ng/L	P360892	MS, RPD
		Molinate	0.31	U	ng/L	P360892	RPD
		Norflurazon	0.52	U	ng/L	P360892	
		Oxadiazon**	0.10	U	ng/L	P360892	
		Parathion Ethyl	0.26	U	ng/L	P360892	
		Parathion Methyl	0.57	U	ng/L	P360892	
		Pendimethalin	1.0	U	ng/L	P360892	
		Phorate	0.26	U	ng/L	P360892	MS, RPD
		Prodiamine**	0.18	U	ng/L	P360892	
		Prometon	0.94	U	ng/L	P360892	
		Prometryn	0.21	U	ng/L	P360892	
		Simazine	0.52	U	ng/L	P360892	
		Tebuconazole**	0.52	UJ	ng/L	P360892	LCS, MS, RPD
		Terbufos	0.10	U	ng/L	P360892	
		Terbuthylazine	0.44	U	ng/L	P360892	
2071559	EPA 200.7 Rev. 4.4	Barium	9.6		ug/L	P360970	
		Calcium	8.36		mg/L	P360970	
		Iron	1.12E+03		ug/L	P360970	
		Magnesium	3.19		mg/L	P360970	
		Potassium	5.3		mg/L	P360970	

Field ID: G1WA0060

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071559	EPA 200.7 Rev. 4.4	Sodium	6.7		mg/L	P360970	
		Zinc	5.0	U	ug/L	P360970	
	EPA 200.8 Rev. 5.4	Aluminum	481		ug/L	P360970	
		Antimony	0.050	U	ug/L	P360970	
		Arsenic	0.51		ug/L	P360970	
		Boron**	13.0		ug/L	P360970	
		Cadmium	0.020	U	ug/L	P360970	
		Chromium	0.89	I	ug/L	P360970	
		Copper	0.57	I	ug/L	P360970	
		Lead	0.32	I	ug/L	P360970	
		Nickel	0.50	U	ug/L	P360970	
		Selenium	0.20	U	ug/L	P360970	
		Silver	0.010	U	ug/L	P360970	
		Thallium	0.10	U	ug/L	P360970	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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

EPA 8270D: Refer to the narrative for an explanation of QC Codes.

EPA 8276: Refer to the narrative for an explanation of QC Codes.

EPA 8270D: MS accuracies for alachlor and metolachlor not assessed due to high content of these parameters in the sample spiked. Refer to the narrative for an explanation of QC Codes.

Sample Location: Quincy Creek upstream of SR 65

Collection Date/Time: 03/20/2019 11:44

Field ID: G1WA0049

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071522	EPA 180.1 Rev. 2.0	Turbidity	10	A	NTU	P360793	
	EPA 300.0 Rev. 2.1	Chloride	4.8		mg Cl/L	P361127	
		Sulfate	0.62		mg SO4/L	P361129	
	SM 2120 B	Color (true)	55		PCU	P360825	
	SM 2320 B-97	Total Alkalinity	17		mg CaCO3/L	P361323	
	SM 2540 C-97	TDS	46		mg/L	P361342	
	SM 2540 D-97	TSS	9	I	mg/L	P361353	
	SM 4500 F-C-97	Fluoride	0.076	I	mg F/L	P361327	
2071525	EPA 350.1 Rev. 2.0	Ammonia-N	0.034		mg N/L	P361181	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.29		mg N/L	P360982	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.23		mg N/L	P361046	
	EPA 365.1 Rev. 2.0	Total-P	0.089		mg P/L	P361121	
	SM 5310 B-00	Organic Carbon	3.6		mg C/L	P360965	
2071528	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.028		mg P/L	P360797	
2071560	EPA 200.7 Rev. 4.4	Barium	15.1		ug/L	P360970	
		Calcium	6.19		mg/L	P360970	
		Iron	1.65E+03		ug/L	P360970	
		Magnesium	2.22		mg/L	P360970	
		Potassium	0.32	I	mg/L	P360970	
	EPA 200.8 Rev. 5.4	Sodium	3.3		mg/L	P360970	
		Zinc	5.0	U	ug/L	P360970	
		Aluminum	498		ug/L	P360970	
		Antimony	0.050	U	ug/L	P360970	
		Arsenic	0.60		ug/L	P360970	
		Boron**	9.9		ug/L	P360970	
		Cadmium	0.020	U	ug/L	P360970	
		Chromium	0.80	I	ug/L	P360970	
		Copper	0.40	U	ug/L	P360970	
		Lead	0.44		ug/L	P360970	
		Nickel	0.50	U	ug/L	P360970	
		Selenium	0.20	U	ug/L	P360970	
		Silver	0.010	U	ug/L	P360970	
		Thallium	0.10	U	ug/L	P360970	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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

Sample Location: TANYARD BRANCH 100 METERS UPSTREAM OF RALPH STRONG RD **Collection Date/Time: 03/20/2019 10:38**

Field ID: G1WA0005

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071523	EPA 180.1 Rev. 2.0	Turbidity	7.1		NTU	P360793	
	EPA 300.0 Rev. 2.1	Chloride	17		mg Cl/L	P361127	
		Sulfate	9.2		mg SO4/L	P361129	
	SM 2120 B	Color (true)	40		PCU	P360825	
	SM 2320 B-97	Total Alkalinity	52		mg CaCO3/L	P361323	
	SM 2540 C-97	TDS	104		mg/L	P361342	
	SM 2540 D-97	TSS	2	I	mg/L	P361353	
	SM 4500 F-C-97	Fluoride	0.22		mg F/L	P361327	
2071526	EPA 350.1 Rev. 2.0	Ammonia-N	0.024		mg N/L	P361181	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.32		mg N/L	P360982	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.51		mg N/L	P361046	
	EPA 365.1 Rev. 2.0	Total-P	0.072		mg P/L	P361121	
	SM 5310 B-00	Organic Carbon	3.6		mg C/L	P360965	
2071529	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.036		mg P/L	P360797	
2071561	EPA 200.7 Rev. 4.4	Barium	13.5		ug/L	P360970	
		Calcium	16.8		mg/L	P360970	
		Iron	1.33E+03		ug/L	P360970	
		Magnesium	3.91		mg/L	P360970	
		Potassium	1.9		mg/L	P360970	
		Sodium	15.0		mg/L	P360970	
	EPA 200.8 Rev. 5.4	Zinc	7.7	I	ug/L	P360970	
		Aluminum	109		ug/L	P360970	
		Antimony	0.085	I	ug/L	P360970	
		Arsenic	0.52		ug/L	P360970	
		Boron**	51.6		ug/L	P360970	
		Cadmium	0.020	U	ug/L	P360970	
		Chromium	0.40	U	ug/L	P360970	
		Copper	0.60	I	ug/L	P360970	
		Lead	0.25	I	ug/L	P360970	
		Nickel	0.50	U	ug/L	P360970	
		Selenium	0.20	U	ug/L	P360970	
		Silver	0.010	U	ug/L	P360970	
		Thallium	0.10	U	ug/L	P360970	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

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

Sample Location: Alford Arm Tributary At Miccosukee

Collection Date/Time: 03/20/2019 09:36

Field ID: G1WA0066

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2071524	EPA 180.1 Rev. 2.0	Turbidity	1.2		NTU	P360793	
	EPA 300.0 Rev. 2.1	Chloride	5.9		mg Cl/L	P361127	
		Sulfate	0.20	U	mg SO4/L	P361129	
	SM 2120 B	Color (true)	63		PCU	P360825	
	SM 2320 B-97	Total Alkalinity	11		mg CaCO3/L	P361323	
	SM 2540 C-97	TDS	30		mg/L	P361342	
	SM 2540 D-97	TSS	2	I	mg/L	P361353	
	SM 4500 F-C-97	Fluoride	0.041	I	mg F/L	P361327	
2071527	EPA 350.1 Rev. 2.0	Ammonia-N	0.005		mg N/L	P361248	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.43		mg N/L	P360983	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P361046	
	EPA 365.1 Rev. 2.0	Total-P	0.048		mg P/L	P361121	
	SM 5310 B-00	Organic Carbon	6.5		mg C/L	P360965	
2071530	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.018		mg P/L	P360797	
2071562	EPA 200.7 Rev. 4.4	Barium	10.6		ug/L	P360970	
		Calcium	4.06		mg/L	P360970	
		Iron	740		ug/L	P360970	
		Magnesium	1.75		mg/L	P360970	
		Potassium	0.35	I	mg/L	P360970	
		Sodium	3.6		mg/L	P360970	
		Zinc	5.0	U	ug/L	P360970	
	EPA 200.8 Rev. 5.4	Aluminum	75		ug/L	P360970	
		Antimony	0.050	U	ug/L	P360970	
		Arsenic	0.55		ug/L	P360970	
		Boron**	10.7		ug/L	P360970	
		Cadmium	0.020	U	ug/L	P360970	
		Chromium	0.40	U	ug/L	P360970	
		Copper	0.40	U	ug/L	P360970	
		Lead	0.20	U	ug/L	P360970	
		Nickel	0.50	U	ug/L	P360970	
		Selenium	0.20	U	ug/L	P360970	
		Silver	0.010	U	ug/L	P360970	
		Thallium	0.10	U	ug/L	P360970	

Ref. Method and Comment:

SM 2540 D-97: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Quality Assurance Report

Method Blank Results

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P360792

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P360793

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P360970

Component	Result	Code	Units
Barium	1.0	U	ug/L
Calcium	0.075	U	mg/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Potassium	0.30	U	mg/L
Sodium	0.50	U	mg/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P360970

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

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361126

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361127

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361128

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361129

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361181

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361248

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P360982

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P360983

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P360971

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P361046

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P361121

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P360797

Component	Result	Code	Units
O-Phosphate-P	0.004	U	mg P/L

Reference Method: EPA 8270D

Batch ID: P360892

Component	Result	Code	Units
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Azinphos Methyl	5.0	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Cyanazine	3.2	U	ng/L
Demeton	7.0	U	ng/L
Diazinon	0.12	U	ng/L
Dimethenamid	0.10	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.10	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Fenamiphos	0.50	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.30	U	ng/L
Metolachlor	0.50	U	ng/L
Metribuzin	0.75	U	ng/L
Mevinphos	0.50	U	ng/L
Molinate	0.30	U	ng/L
Norflurazon	0.50	U	ng/L
Oxadiazon	0.10	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.55	U	ng/L
Pendimethalin	1.0	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.18	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Simazine	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbutylazine	0.42	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270D

Batch ID: P360935

Component	Result	Code	Units
Aldrin	4.0	U	ng/L
Alpha-BHC	2.0	U	ng/L
Alpha-Chlordane	1.0	U	ng/L
Beta-BHC	10	U	ng/L
Bifenthrin	4.0	U	ng/L
Carbophenothion	12	U	ng/L
Chlorothalonil	2.0	U	ng/L
Cis-Nonachlor	1.0	U	ng/L
Cypermethrin	20	U	ng/L
DDD-p,p'	8.0	U	ng/L
DDE-p,p'	8.0	U	ng/L
DDT-p,p'	10	U	ng/L
Delta-BHC	10	U	ng/L
Dicofol	30	U	ng/L
Dieldrin	4.0	U	ng/L
Endosulfan I	4.0	U	ng/L
Endosulfan II	4.0	U	ng/L
Endosulfan Sulfate	2.0	U	ng/L
Endrin	2.0	U	ng/L
Endrin Aldehyde	2.0	U	ng/L
Endrin Ketone	2.0	U	ng/L
Ethalfuralin	3.0	U	ng/L
Gamma-BHC	10	U	ng/L
Gamma-Chlordane	1.0	U	ng/L
Heptachlor	1.5	U	ng/L
Heptachlor Epoxide	2.0	U	ng/L
Hexachlorobenzene	2.0	U	ng/L
Methoxychlor	4.0	U	ng/L
Mirex	2.0	U	ng/L
Permethrin	10	U	ng/L
Trans-Nonachlor	1.0	U	ng/L
Trifluralin	2.5	U	ng/L

Reference Method: EPA 8276

Batch ID: P360935

Component	Result	Code	Units
Chlordane	5.0	U	ng/L
Toxaphene	30	U	ng/L

Reference Method: EPA 8321B

Batch ID: P360764

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B**Batch ID: P360773**

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
3-Hydroxycarbofuran	0.0020	U	ug/L
Acetaminophen	0.0080	U	ug/L
Aldicarb	0.020	U	ug/L
Aldicarb Sulfone	0.0020	U	ug/L
Aldicarb Sulfoxide	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Carbaryl	0.0020	U	ug/L
Carbofuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.016	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
MCPP	0.0020	U	ug/L
Methiocarb	0.0020	U	ug/L
Methomyl	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Oxamyl	0.0020	U	ug/L
Primidone	0.0040	U	ug/L
Propoxur	0.0020	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B**Batch ID: P361315**

Component	Result	Code	Units
Sucralose	0.010	U	ug/L

Reference Method: SM 2120 B**Batch ID: P360825**

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2120 B**Batch ID: P360826**

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: SM 2320 B-97**Batch ID: P361323**

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

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 C-97
Batch ID: P361341

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-97
Batch ID: P361342

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P361352

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-97
Batch ID: P361353

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-97
Batch ID: P361327

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-00
Batch ID: P360965

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

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P360970

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Barium	104		P	85 - 115
Calcium	107		P	85 - 115
Iron	103		P	85 - 115
Magnesium	107		P	85 - 115
Potassium	105		P	85 - 115
Sodium	104		P	85 - 115
Zinc	105		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P360970

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	97.1		P	85 - 115
Antimony	94.0		P	85 - 115
Arsenic	97.8		P	85 - 115
Boron	92.9		P	85 - 115
Cadmium	94.9		P	85 - 115
Chromium	89.3		P	85 - 115
Copper	98.2		P	85 - 115
Lead	92.8		P	85 - 115
Nickel	95.8		P	85 - 115
Selenium	97.1		P	85 - 115
Silver	98.5		P	85 - 115
Thallium	92.8		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361126

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

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361127

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

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361128

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

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361129

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361181

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361248

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P360982

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P360983

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P360971

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P361046

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: P361121

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P360797

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

Reference Method: EPA 8270D
Batch ID: P360892

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	96.5	116	P/P	71 - 121
Alachlor	96.7	109	P/P	72 - 119
Ametryn	82.8	91.0	P/P	47 - 144
Atrazine	98.8	105	P/P	75 - 123

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270D

Batch ID: P360892

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Atrazine Desethyl	109	97.1	P/P	45 - 133
Azinphos Methyl	119	116	P/P	66 - 165
Bromacil	73.5	89.5	P/P	43 - 123
Butylate	59.4	60.9	P/P	27 - 83.0
Chlorpyrifos Ethyl	91.2	92.9	P/P	70 - 117
Chlorpyrifos Methyl	113	97.9	P/P	71 - 120
Cyanazine	126	108	P/P	34 - 264
Demeton	80.4	72.8	P/P	41 - 122
Diazinon	101	108	P/P	70 - 127
Dimethenamid	96.9	117	P/P	60 - 130
Disulfoton	94.4	80.0	P/P	56 - 127
Dithiopyr	95.3	113	P/P	60 - 130
EPTC	59.8	69.1	P/P	24 - 84.0
Ethion	79.5	88.4	P/P	53 - 132
Ethoprop	88.7	88.5	P/P	57 - 117
Fenamiphos	85.5	90.8	P/P	55 - 136
Fipronil	100	116	P/P	64 - 126
Fipronil Desulfinyl	90.6	105	P/P	60 - 130
Fipronil Sulfide	90.6	94.8	P/P	57 - 120
Fipronil Sulfone	78.8	90.7	P/P	52 - 115
Fonofos	86.6	78.7	P/P	61 - 121
Hexazinone	92.7	110	P/P	62 - 131
Malathion	105	125	P/P	67 - 126
Metaxyl	96.9	106	P/P	54 - 128
Metolachlor	87.7	107	P/P	71 - 118
Metribuzin	173	112	P/P	42 - 221
Mevinphos	91.6	100	P/P	45 - 114
Molinate	70.0	72.8	P/P	33 - 91.0
Norflurazon	102	119	P/P	60 - 123
Oxadiazon	92.4	101	P/P	60 - 130
Parathion Ethyl	85.1	89.7	P/P	73 - 111
Parathion Methyl	107	99.7	P/P	74 - 126
Pendimethalin	85.3	84.2	P/P	63 - 131
Phorate	87.2	68.9	P/P	54 - 115
Prodiamine	67.6	81.6	P/P	60 - 130
Prometon	88.8	108	P/P	61 - 120
Prometryn	93.4	102	P/P	62 - 126
Simazine	110	101	P/P	75 - 126
Tebuconazole	77.2	113	P/F	30 - 100
Terbufos	89.1	79.1	P/P	65 - 116
Terbuthylazine	91.7	91.3	P/P	73 - 117

Reference Method: EPA 8270D

Batch ID: P360935

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	41.8	35.9	P/P	20 - 93.0
Alpha-BHC	108	103	P/P	57 - 119
Alpha-Chlordane	84.4	85.6	P/P	58 - 112
Beta-BHC	153	148	F/P	56 - 149
Bifenthrin	87.5	90.9	P/P	50 - 130
Carbophenothion	82.2	82.6	P/P	26 - 147

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270D

Batch ID: P360935

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorothalonil	126	123	P/P	20 - 155
Cis-Nonachlor	87.4	90.3	P/P	50 - 130
Cypermethrin	96.9	101	P/P	40 - 137
DDD-p,p'	92.4	97.0	P/P	65 - 129
DDE-p,p'	76.1	75.5	P/P	57 - 116
DDT-p,p'	98.5	101	P/P	53 - 133
Delta-BHC	137	156	P/P	59 - 163
Dicofol	95.3	96.5	P/P	24 - 138
Dieldrin	86.5	93.0	P/P	60 - 120
Endosulfan I	90.9	102	P/P	64 - 118
Endosulfan II	104	119	P/P	58 - 142
Endosulfan Sulfate	113	128	P/F	60 - 127
Endrin	77.9	79.6	P/P	59 - 122
Endrin Aldehyde	112	112	P/P	49 - 132
Endrin Ketone	105	116	P/P	64 - 121
Ethalfuralin	97.4	95.8	P/P	50 - 130
Gamma-BHC	142	143	F/F	56 - 141
Gamma-Chlordane	83.5	82.7	P/P	56 - 110
Heptachlor	76.3	72.4	P/P	46 - 96.0
Heptachlor Epoxide	86.2	91.3	P/P	61 - 112
Hexachlorobenzene	71.6	59.7	P/P	50 - 130
Methoxychlor	122	126	P/P	63 - 134
Mirex	65.7	62.6	P/P	45 - 100
Permethrin	77.1	75.6	P/P	53 - 115
Trans-Nonachlor	81.1	80.6	P/P	50 - 130
Trifluralin	87.6	86.1	P/P	39 - 142

Reference Method: EPA 8276

Batch ID: P360935

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	90.0	81.1	P/P	43 - 128
Toxaphene	82.1	94.0	P/P	38 - 140

Reference Method: EPA 8321B

Batch ID: P360764

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	110		P	40 - 150
AMPA	99.0		P	40 - 150
Endothall	119		P	40 - 150
Glufosinate	91.7		P	40 - 150
Glyphosate	87.7		P	40 - 140

Reference Method: EPA 8321B

Batch ID: P360773

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	84.1		P	40 - 150
3-Hydroxycarbofuran	95.2		P	40 - 150
Acetaminophen	106		P	30 - 150
Aldicarb	85.8		P	30 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P360773

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldicarb Sulfone	116		P	40 - 150
Aldicarb Sulfoxide	115		P	40 - 150
Bentazon	113		P	30 - 150
Carbamazepine	87.3		P	40 - 150
Carbaryl	89.8		P	40 - 150
Carbofuran	97.1		P	40 - 150
Diuron	103		P	40 - 150
Fenuron	148		P	40 - 150
Fluridone	114		P	40 - 150
Hydrocodone	122		P	40 - 150
Ibuprofen	63.6		P	40 - 150
Imazapyr	104		P	40 - 150
Imidacloprid	134		P	40 - 150
Linuron	80.6		P	40 - 150
MCPP	112		P	40 - 150
Methiocarb	73.9		P	40 - 150
Methomyl	95.4		P	40 - 150
Naproxen	71.0		P	40 - 150
Oxamyl	116		P	40 - 150
Primidone	114		P	40 - 150
Propoxur	84.5		P	40 - 150
Pyraclostrobin	72.3		P	40 - 150
Triclopyr	62.3		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P361315

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Sucralose	108		P	40 - 150

Reference Method: SM 2120 B

Batch ID: P360825

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	107		P	85 - 115

Reference Method: SM 2120 B

Batch ID: P360826

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	104		P	85 - 115

Reference Method: SM 2320 B-97

Batch ID: P361323

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	98.3		P	98 - 107

Reference Method: SM 4500 F-C-97

Batch ID: P361327

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

Laboratory Control Sample Accuracy

Reference Method: SM 4500 F-C-97

Batch ID: P361327

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.7		P	91 - 105

Reference Method: SM 5310 B-00

Batch ID: P360965

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

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P360970

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071561	Barium	91.9		P	80 - 120
2071561	Calcium	103		P	80 - 120
2071561	Iron	109		P	80 - 120
2071561	Magnesium	110		P	80 - 120
2071561	Potassium	105		P	80 - 120
2071561	Sodium	101		P	80 - 120
2071561	Zinc	92.6		P	80 - 120
2071726	Barium	96.1	97.6	P/P	80 - 120
2071726	Calcium	103		P	80 - 120
2071726	Iron	105	105	P/P	80 - 120
2071726	Magnesium	104		P	80 - 120
2071726	Potassium	104	105	P/P	80 - 120
2071726	Sodium	103		P	80 - 120
2071726	Zinc	98.5	99.0	P/P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P360970

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071561	Aluminum	95.7		P	80 - 120
2071561	Antimony	97.6		P	80 - 120
2071561	Arsenic	99.2		P	80 - 120
2071561	Boron	96.9		P	80 - 120
2071561	Cadmium	97.1		P	80 - 120
2071561	Chromium	92.0		P	80 - 120
2071561	Copper	96.6		P	80 - 120
2071561	Lead	96.0		P	80 - 120
2071561	Nickel	95.7		P	80 - 120
2071561	Selenium	96.9		P	80 - 120
2071561	Silver	101		P	80 - 120
2071561	Thallium	98.0		P	80 - 120
2071726	Aluminum	95.9	97.1	P/P	80 - 120
2071726	Antimony	98.4	99.0	P/P	80 - 120
2071726	Arsenic	99.9	101	P/P	80 - 120
2071726	Boron	97.1	97.1	P/P	80 - 120
2071726	Cadmium	99.9	100	P/P	80 - 120
2071726	Chromium	92.7	92.6	P/P	80 - 120
2071726	Copper	94.9	94.8	P/P	80 - 120
2071726	Lead	96.8	97.0	P/P	80 - 120
2071726	Nickel	94.8	95.0	P/P	80 - 120
2071726	Selenium	96.7	96.9	P/P	80 - 120
2071726	Silver	99.9	101	P/P	80 - 120
2071726	Thallium	98.1	99.7	P/P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361126

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071282	Chloride	98.0		P	90 - 110
2071499	Chloride	99.1		P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361127

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071516	Chloride	98.4		P	90 - 110
2071609	Chloride	100		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361128

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071282	Sulfate	101		P	90 - 110
2071499	Sulfate	99.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361129

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071516	Sulfate	101		P	90 - 110
2071609	Sulfate	101		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361181

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071526	Ammonia-N	102	102	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361248

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071527	Ammonia-N	101	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P360983

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071577	Kjeldahl Nitrogen	104	101	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P360971

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071364	NO2NO3-N	106	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P361046

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071578	NO2NO3-N	100	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P361121

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071526	Total-P	99.4	93.8	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P360797

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071515	O-Phosphate-P	98.1	99.7	P/P	90 - 110

Reference Method: EPA 8270D

Batch ID: P360892

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2072582	Acetochlor	108	102	P/P	63 - 129
2072582	Ametryn	105	103	P/P	40 - 164
2072582	Atrazine	96.4	114	P/P	66 - 135
2072582	Atrazine Desethyl	101	138	P/P	14 - 157
2072582	Azinphos Methyl	121	138	P/P	49 - 180
2072582	Bromacil	94.4	88.5	P/P	48 - 130
2072582	Butylate	38.9	34.6	P/P	10 - 94.0
2072582	Chlorpyrifos Ethyl	93.2	128	P/F	58 - 123
2072582	Chlorpyrifos Methyl	103	111	P/P	58 - 125
2072582	Cyanazine	97.9	131	P/P	24 - 253
2072582	Demeton	73.1	150	P/F	25 - 149
2072582	Diazinon	95.8	90.6	P/P	59 - 144
2072582	Dimethenamid	103	55.1	P/F	60 - 130
2072582	Disulfoton	90.2	167	P/F	54 - 132
2072582	Dithiopyr	103	99.5	P/P	60 - 130
2072582	EPTC	40.6	56.3	P/P	10 - 92.0
2072582	Ethion	94.3	117	P/P	30 - 148
2072582	Ethoprop	88.0	286	P/F	50 - 130
2072582	Fenamiphos	91.4	132	P/P	49 - 142
2072582	Fipronil	111	111	P/P	46 - 140
2072582	Fipronil Desulfanyl	98.4	97.1	P/P	60 - 130
2072582	Fipronil Sulfide	103	110	P/P	31 - 136
2072582	Fipronil Sulfone	98.4	100	P/P	16 - 136
2072582	Fonofos	83.1	101	P/P	55 - 129
2072582	Hexazinone	101	101	P/P	56 - 141
2072582	Malathion	130	108	P/P	56 - 135
2072582	Metalaxyl	101	89.8	P/P	54 - 135
2072582	Metribuzin	134	182	P/P	45 - 254
2072582	Mevinphos	102	220	P/F	33 - 131
2072582	Molinate	57.6	87.7	P/P	14 - 98.0
2072582	Norflurazon	109	106	P/P	34 - 136
2072582	Oxadiazon	89.9	107	P/P	60 - 130
2072582	Parathion Ethyl	90.7	88.3	P/P	66 - 118
2072582	Parathion Methyl	109	120	P/P	64 - 136
2072582	Pendimethalin	88.6	85.3	P/P	59 - 144
2072582	Phorate	92.0	7090	P/F	42 - 130
2072582	Prodiamine	110	108	P/P	60 - 130
2072582	Prometon	94.9	93.5	P/P	59 - 134
2072582	Prometryn	92.8	107	P/P	54 - 135
2072582	Simazine	109	83.8	P/P	53 - 156
2072582	Tebuconazole	110	82.9	F/P	30 - 100
2072582	Terbufos	85.7	103	P/P	57 - 131
2072582	Terbutylazine	91.8	93.9	P/P	68 - 125

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270D

Batch ID: P360935

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071192	Aldrin	55.7	59.3	P/P	25 - 92.0
2071192	Alpha-BHC	111	116	P/P	49 - 130
2071192	Alpha-Chlordane	83.2	87.4	P/P	50 - 115
2071192	Beta-BHC	140	160	P/F	43 - 157
2071192	Bifenthrin	82.7	88.4	P/P	50 - 130
2071192	Carbophenothion	107	114	P/P	27 - 180
2071192	Chlorothalonil	29.1	28.3	P/P	10 - 216
2071192	Cis-Nonachlor	91.7	96.9	P/P	50 - 130
2071192	Cypermethrin	106	120	P/P	40 - 153
2071192	DDD-p,p'	88.3	92.2	P/P	53 - 128
2071192	DDE-p,p'	78.4	78.7	P/P	48 - 116
2071192	DDT-p,p'	96.3	104	P/P	47 - 128
2071192	Delta-BHC	158	173	P/P	51 - 196
2071192	Dicofol	92.2	97.5	P/P	10 - 147
2071192	Dieldrin	87.1	92.3	P/P	48 - 128
2071192	Endosulfan I	99.8	107	P/P	58 - 126
2071192	Endosulfan II	123	133	P/P	50 - 150
2071192	Endosulfan Sulfate	106	119	P/P	56 - 130
2071192	Endrin	99.8	105	P/P	50 - 126
2071192	Endrin Aldehyde	101	103	P/P	12 - 145
2071192	Endrin Ketone	103	114	P/P	59 - 132
2071192	Ethalfuralin	97.3	107	P/P	50 - 130
2071192	Gamma-BHC	125	142	P/P	50 - 155
2071192	Gamma-Chlordane	81.4	85.2	P/P	50 - 112
2071192	Heptachlor	78.5	85.4	P/P	41 - 98.0
2071192	Heptachlor Epoxide	84.2	88.8	P/P	55 - 117
2071192	Hexachlorobenzene	60.0	72.5	P/P	50 - 130
2071192	Methoxychlor	113	124	P/P	55 - 133
2071192	Mirex	72.3	75.2	P/P	44 - 101
2071192	Permethrin	75.8	81.4	P/P	52 - 124
2071192	Trans-Nonachlor	81.0	83.8	P/P	50 - 130
2071192	Trifluralin	85.4	93.6	P/P	10 - 201

Reference Method: EPA 8276

Batch ID: P360935

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2072200	Chlordane	62.6	81.4	P/P	34 - 136
2072200	Toxaphene	74.0	104	P/P	22 - 152

Reference Method: EPA 8321B

Batch ID: P360764

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071307	Acesulfame K	185	193	F/F	40 - 150
2071307	AMPA	108	102	P/P	40 - 150
2071307	Endothall	149	145	P/P	40 - 150
2071307	Glufosinate	108	103	P/P	40 - 150
2071307	Glyphosate	92.1	81.8	P/P	40 - 140

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P360773

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071545	3-Hydroxycarbofuran	101	95.7	P/P	40 - 150
2071545	Aldicarb	95.3	101	P/P	30 - 150
2071545	Aldicarb Sulfone	117	115	P/P	40 - 150
2071545	Aldicarb Sulfoxide	77.4	70.7	P/P	40 - 150
2071545	Carbaryl	87.3	88.3	P/P	40 - 150
2071545	Carbofuran	94.5	91.2	P/P	40 - 150
2071545	Methiocarb	71.8	84.3	P/P	40 - 150
2071545	Methomyl	109	106	P/P	40 - 150
2071545	Oxamyl	119	121	P/P	40 - 150
2071545	Propoxur	93.2	87.3	P/P	40 - 150
2071546	2,4-D	68.7	89.6	P/P	40 - 150
2071546	Acetaminophen	137	128	P/P	30 - 150
2071546	Bentazon	100	94.2	P/P	30 - 150
2071546	Carbamazepine	114	103	P/P	40 - 150
2071546	Diuron	99.9	102	P/P	40 - 150
2071546	Fenuron	144	138	P/P	40 - 150
2071546	Fluridone	118	114	P/P	40 - 150
2071546	Hydrocodone	102	109	P/P	40 - 150
2071546	Ibuprofen	65.8	65.5	P/P	40 - 150
2071546	Imazapyr	113	98.6	P/P	40 - 150
2071546	Imidacloprid	184	174	F/F	40 - 150
2071546	Linuron	90.5	85.2	P/P	40 - 150
2071546	MCPP	114	105	P/P	40 - 150
2071546	Naproxen	99.4	87.0	P/P	40 - 150
2071546	Primidone	122	94.3	P/P	40 - 150
2071546	Pyraclostrobin	107	108	P/P	40 - 150
2071546	Triclopyr	62.1	58.9	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P361315

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2070592	Sucralose	99.2	63.5	P/P	40 - 150

Reference Method: SM 4500 F-C-97

Batch ID: P361327

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071624	Fluoride	101	100	P/P	91 - 105

Reference Method: SM 5310 B-00

Batch ID: P360965

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2071322	Organic Carbon	100	99.6	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P360792

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071513	Turbidity	4.62	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0

Batch ID: P360793

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071522	Turbidity	3.36	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P360970

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071726	Barium	1.31	Spike	P	0 - 20
2071726	Calcium	1.42	Spike	P	0 - 20
2071726	Iron	0.0820	Spike	P	0 - 20
2071726	Magnesium	0.00543	Spike	P	0 - 20
2071726	Potassium	1.09	Spike	P	0 - 20
2071726	Sodium	1.41	Spike	P	0 - 20
2071726	Zinc	0.502	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P360970

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071726	Aluminum	1.23	Spike	P	0 - 20
2071726	Antimony	0.623	Spike	P	0 - 20
2071726	Arsenic	1.03	Spike	P	0 - 20
2071726	Boron	0.0122	Spike	P	0 - 20
2071726	Cadmium	0.134	Spike	P	0 - 20
2071726	Chromium	0.0817	Spike	P	0 - 20
2071726	Copper	0.136	Spike	P	0 - 20
2071726	Lead	0.157	Spike	P	0 - 20
2071726	Nickel	0.131	Spike	P	0 - 20
2071726	Selenium	0.178	Spike	P	0 - 20
2071726	Silver	0.973	Spike	P	0 - 20
2071726	Thallium	1.68	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P361126

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071282	Chloride	0.425	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361127

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071609	Chloride	1.92	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361128

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071282	Sulfate	0.294	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P361129

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071609	Sulfate	2.18	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361181

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071526	Ammonia-N	0.0919	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P361248

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071527	Ammonia-N	0.212	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P360982

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071402	Kjeldahl Nitrogen	3.76	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P360983

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071577	Kjeldahl Nitrogen	1.96	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P360971

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071364	NO2NO3-N	0.375	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P361046

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071578	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P361121

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071526	Total-P	4.95	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P360797

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071515	O-Phosphate-P	1.20	Spike	P	0 - 20

Reference Method: EPA 8270D

Batch ID: P360892

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2072582	Acetochlor	6.42	Spike	P	0 - 30
2072582	Alachlor	9.62	Spike	P	0 - 30
2072582	Ametryn	2.26	Spike	P	0 - 30
2072582	Atrazine	15.0	Spike	P	0 - 30
2072582	Atrazine Desethyl	30.8	Spike	F	0 - 30
2072582	Azinphos Methyl	13.2	Spike	P	0 - 30
2072582	Bromacil	6.35	Spike	P	0 - 30
2072582	Butylate	11.7	Spike	P	0 - 30
2072582	Chlorpyrifos Ethyl	31.2	Spike	F	0 - 30
2072582	Chlorpyrifos Methyl	7.57	Spike	P	0 - 30
2072582	Cyanazine	29.3	Spike	P	0 - 30
2072582	Demeton	69.2	Spike	F	0 - 30
2072582	Diazinon	5.60	Spike	P	0 - 30
2072582	Dimethenamid	60.4	Spike	F	0 - 30
2072582	Disulfoton	59.4	Spike	F	0 - 30
2072582	Dithiopyr	3.30	Spike	P	0 - 30
2072582	EPTC	32.5	Spike	F	0 - 30
2072582	Ethion	21.4	Spike	P	0 - 30
2072582	Ethoprop	106	Spike	F	0 - 30
2072582	Fenamiphos	36.5	Spike	F	0 - 30
2072582	Fipronil	0.0384	Spike	P	0 - 30
2072582	Fipronil Desulfinyl	1.27	Spike	P	0 - 30
2072582	Fipronil Sulfide	6.63	Spike	P	0 - 30
2072582	Fipronil Sulfone	1.78	Spike	P	0 - 30
2072582	Fonofos	19.6	Spike	P	0 - 30
2072582	Hexazinone	0.344	Spike	P	0 - 30
2072582	Malathion	18.9	Spike	P	0 - 30
2072582	Metalaxyl	11.5	Spike	P	0 - 30
2072582	Metolachlor	13.3	Spike	P	0 - 30
2072582	Metribuzin	22.0	Spike	P	0 - 30

Quality Assurance Report

Precision

Reference Method: EPA 8270D

Batch ID: P360892

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2072582	Mevinphos	73.5	Spike	F	0 - 30
2072582	Molinate	41.5	Spike	F	0 - 30
2072582	Norflurazon	3.28	Spike	P	0 - 30
2072582	Oxadiazon	17.5	Spike	P	0 - 30
2072582	Parathion Ethyl	2.63	Spike	P	0 - 30
2072582	Parathion Methyl	9.89	Spike	P	0 - 30
2072582	Pendimethalin	3.71	Spike	P	0 - 30
2072582	Phorate	195	Spike	F	0 - 30
2072582	Prodiamine	1.57	Spike	P	0 - 30
2072582	Prometon	1.49	Spike	P	0 - 30
2072582	Prometryn	14.4	Spike	P	0 - 30
2072582	Simazine	25.7	Spike	P	0 - 30
2072582	Tebuconazole	26.4	Spike	P	0 - 30
2072582	Terbufos	18.6	Spike	P	0 - 30
2072582	Terbutylazine	2.24	Spike	P	0 - 30
LFB	Acetochlor	18.2	LCS	P	0 - 30
LFB	Alachlor	12.1	LCS	P	0 - 30
LFB	Ametryn	9.43	LCS	P	0 - 30
LFB	Atrazine	5.81	LCS	P	0 - 30
LFB	Atrazine Desethyl	11.6	LCS	P	0 - 30
LFB	Azinphos Methyl	2.14	LCS	P	0 - 30
LFB	Bromacil	19.6	LCS	P	0 - 30
LFB	Butylate	2.55	LCS	P	0 - 30
LFB	Chlorpyrifos Ethyl	1.91	LCS	P	0 - 30
LFB	Chlorpyrifos Methyl	13.9	LCS	P	0 - 30
LFB	Cyanazine	15.2	LCS	P	0 - 30
LFB	Demeton	9.89	LCS	P	0 - 30
LFB	Diazinon	6.70	LCS	P	0 - 30
LFB	Dimethenamid	18.6	LCS	P	0 - 30
LFB	Disulfoton	16.5	LCS	P	0 - 30
LFB	Dithiopyr	17.2	LCS	P	0 - 30
LFB	EPTC	14.4	LCS	P	0 - 30
LFB	Ethion	10.6	LCS	P	0 - 30
LFB	Ethoprop	0.123	LCS	P	0 - 30
LFB	Fenamiphos	5.97	LCS	P	0 - 30
LFB	Fipronil	14.6	LCS	P	0 - 30
LFB	Fipronil Desulfinyl	14.5	LCS	P	0 - 30
LFB	Fipronil Sulfide	4.57	LCS	P	0 - 30
LFB	Fipronil Sulfone	14.0	LCS	P	0 - 30
LFB	Fonofos	9.59	LCS	P	0 - 30
LFB	Hexazinone	17.5	LCS	P	0 - 30
LFB	Malathion	17.2	LCS	P	0 - 30
LFB	Metalaxyl	8.85	LCS	P	0 - 30
LFB	Metolachlor	20.1	LCS	P	0 - 30
LFB	Metribuzin	42.8	LCS	F	0 - 30
LFB	Mevinphos	9.23	LCS	P	0 - 30
LFB	Molinate	3.90	LCS	P	0 - 30
LFB	Norflurazon	15.4	LCS	P	0 - 30
LFB	Oxadiazon	8.56	LCS	P	0 - 30
LFB	Parathion Ethyl	5.23	LCS	P	0 - 30
LFB	Parathion Methyl	6.65	LCS	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8270D

Batch ID: P360892

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Pendimethalin	1.26	LCS	P	0 - 30
LFB	Phorate	23.5	LCS	P	0 - 30
LFB	Prodiamine	18.7	LCS	P	0 - 30
LFB	Prometon	19.4	LCS	P	0 - 30
LFB	Prometryn	8.67	LCS	P	0 - 30
LFB	Simazine	8.54	LCS	P	0 - 30
LFB	Tebuconazole	37.3	LCS	F	0 - 30
LFB	Terbufos	11.9	LCS	P	0 - 30
LFB	Terbutylazine	0.451	LCS	P	0 - 30

Reference Method: EPA 8270D

Batch ID: P360935

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071192	Aldrin	6.13	Spike	P	0 - 30
2071192	Alpha-BHC	4.78	Spike	P	0 - 30
2071192	Alpha-Chlordane	4.95	Spike	P	0 - 30
2071192	Beta-BHC	13.2	Spike	P	0 - 30
2071192	Bifenthrin	6.61	Spike	P	0 - 30
2071192	Carbophenothion	6.73	Spike	P	0 - 30
2071192	Chlorothalonil	2.98	Spike	P	0 - 30
2071192	Cis-Nonachlor	5.48	Spike	P	0 - 30
2071192	Cypermethrin	12.0	Spike	P	0 - 30
2071192	DDD-p,p'	4.24	Spike	P	0 - 30
2071192	DDE-p,p'	0.397	Spike	P	0 - 30
2071192	DDT-p,p'	7.88	Spike	P	0 - 30
2071192	Delta-BHC	9.20	Spike	P	0 - 30
2071192	Dicofol	5.58	Spike	P	0 - 30
2071192	Dieldrin	5.76	Spike	P	0 - 30
2071192	Endosulfan I	6.70	Spike	P	0 - 30
2071192	Endosulfan II	8.09	Spike	P	0 - 30
2071192	Endosulfan Sulfate	12.0	Spike	P	0 - 30
2071192	Endrin	4.69	Spike	P	0 - 30
2071192	Endrin Aldehyde	1.95	Spike	P	0 - 30
2071192	Endrin Ketone	9.94	Spike	P	0 - 30
2071192	Ethalfuralin	9.76	Spike	P	0 - 30
2071192	Gamma-BHC	12.3	Spike	P	0 - 30
2071192	Gamma-Chlordane	4.51	Spike	P	0 - 30
2071192	Heptachlor	8.35	Spike	P	0 - 30
2071192	Heptachlor Epoxide	5.36	Spike	P	0 - 30
2071192	Hexachlorobenzene	18.9	Spike	P	0 - 30
2071192	Methoxychlor	9.06	Spike	P	0 - 30
2071192	Mirex	3.93	Spike	P	0 - 30
2071192	Permethrin	7.05	Spike	P	0 - 30
2071192	Trans-Nonachlor	3.33	Spike	P	0 - 30
2071192	Trifluralin	9.24	Spike	P	0 - 30
LFB	Aldrin	15.2	LCS	P	0 - 30
LFB	Alpha-BHC	4.36	LCS	P	0 - 30
LFB	Alpha-Chlordane	1.34	LCS	P	0 - 30
LFB	Beta-BHC	3.64	LCS	P	0 - 30

Quality Assurance Report

Precision

Reference Method: EPA 8270D

Batch ID: P360935

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Bifenthrin	3.84	LCS	P	0 - 30
LFB	Carbophenothion	0.467	LCS	P	0 - 30
LFB	Chlorothalonil	2.25	LCS	P	0 - 30
LFB	Cis-Nonachlor	3.25	LCS	P	0 - 30
LFB	Cypermethrin	3.65	LCS	P	0 - 30
LFB	DDD-p,p'	4.90	LCS	P	0 - 30
LFB	DDE-p,p'	0.859	LCS	P	0 - 30
LFB	DDT-p,p'	2.50	LCS	P	0 - 30
LFB	Delta-BHC	13.3	LCS	P	0 - 30
LFB	Dicofol	1.22	LCS	P	0 - 30
LFB	Dieldrin	7.16	LCS	P	0 - 30
LFB	Endosulfan I	11.0	LCS	P	0 - 30
LFB	Endosulfan II	13.5	LCS	P	0 - 30
LFB	Endosulfan Sulfate	12.7	LCS	P	0 - 30
LFB	Endrin	2.07	LCS	P	0 - 30
LFB	Endrin Aldehyde	0.0407	LCS	P	0 - 30
LFB	Endrin Ketone	10.1	LCS	P	0 - 30
LFB	Ethalfuralin	1.63	LCS	P	0 - 30
LFB	Gamma-BHC	0.145	LCS	P	0 - 30
LFB	Gamma-Chlordane	0.930	LCS	P	0 - 30
LFB	Heptachlor	5.29	LCS	P	0 - 30
LFB	Heptachlor Epoxide	5.71	LCS	P	0 - 30
LFB	Hexachlorobenzene	18.2	LCS	P	0 - 30
LFB	Methoxychlor	3.40	LCS	P	0 - 30
LFB	Mirex	4.83	LCS	P	0 - 30
LFB	Permethrin	2.03	LCS	P	0 - 30
LFB	Trans-Nonachlor	0.619	LCS	P	0 - 30
LFB	Trifluralin	1.77	LCS	P	0 - 30

Reference Method: EPA 8276

Batch ID: P360935

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2072200	Chlordane	26.1	Spike	P	0 - 30
2072200	Toxaphene	34.1	Spike	F	0 - 30
LFB	Chlordane	10.4	LCS	P	0 - 30
LFB	Toxaphene	13.5	LCS	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P360764

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071307	Acesulfame K	4.12	Spike	P	0 - 30
2071307	AMPA	4.39	Spike	P	0 - 30
2071307	Endothall	2.63	Spike	P	0 - 30
2071307	Glufosinate	5.06	Spike	P	0 - 30
2071307	Glyphosate	10.6	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B

Batch ID: P360773

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071545	3-Hydroxycarbofuran	5.57	Spike	P	0 - 30
2071545	Aldicarb	5.55	Spike	P	0 - 30
2071545	Aldicarb Sulfone	1.74	Spike	P	0 - 30
2071545	Aldicarb Sulfoxide	9.07	Spike	P	0 - 30
2071545	Carbaryl	1.14	Spike	P	0 - 30
2071545	Carbofuran	3.55	Spike	P	0 - 30
2071545	Methiocarb	16.0	Spike	P	0 - 30
2071545	Methomyl	2.65	Spike	P	0 - 30
2071545	Oxamyl	1.19	Spike	P	0 - 30
2071545	Propoxur	6.56	Spike	P	0 - 30
2071546	2,4-D	26.4	Spike	P	0 - 30
2071546	Acetaminophen	6.76	Spike	P	0 - 30
2071546	Bentazon	5.99	Spike	P	0 - 30
2071546	Carbamazepine	10.1	Spike	P	0 - 30
2071546	Diuron	1.87	Spike	P	0 - 30
2071546	Fenuron	3.97	Spike	P	0 - 30
2071546	Fluridone	2.86	Spike	P	0 - 30
2071546	Hydrocodone	5.95	Spike	P	0 - 30
2071546	Ibuprofen	0.352	Spike	P	0 - 30
2071546	Imazapyr	13.9	Spike	P	0 - 30
2071546	Imidacloprid	5.26	Spike	P	0 - 30
2071546	Linuron	5.94	Spike	P	0 - 30
2071546	MCP	7.83	Spike	P	0 - 30
2071546	Naproxen	13.3	Spike	P	0 - 30
2071546	Primidone	25.9	Spike	P	0 - 30
2071546	Pyraclostrobin	0.860	Spike	P	0 - 30
2071546	Triclopyr	5.22	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P361315

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2070592	Sucralose	22.1	Spike	P	0 - 30

Reference Method: SM 2120 B

Batch ID: P360825

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071498	Color (true)	1.35	Sample	P	0 - 20

Reference Method: SM 2120 B

Batch ID: P360826

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071516	Color (true)	1.31	Sample	P	0 - 20

Quality Assurance Report Precision

Reference Method: SM 2320 B-97
Batch ID: P361323

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071624	Total Alkalinity	0.554	Sample	P	0 - 1.6

Reference Method: SM 2540 C-97
Batch ID: P361341

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071398	TDS	4.91	Sample	P	0 - 10

Reference Method: SM 2540 C-97
Batch ID: P361342

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071572	TDS	4.48	Sample	P	0 - 10

Reference Method: SM 4500 F-C-97
Batch ID: P361327

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071624	Fluoride	0.484	Spike	P	0 - 3.5

Reference Method: SM 5310 B-00
Batch ID: P360965

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2071322	Organic Carbon	0.384	Spike	P	0 - 20

* Sample, spike and/or laboratory control sample precision (LCS) is reported.
Replicate spike precision may be reported when sample results are below quantifiable levels.

Quality Assurance Report Surrogates

Lab Sample ID: 2071545

Field Sample ID: G1WA0018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	65.6	P	30 - 160

Lab Sample ID: 2071546

Field Sample ID: G1WA0018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	67.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	102	P	30 - 160
EPA 8321B	Carbamazepine-d10	79.7	P	30 - 160
EPA 8321B	Diuron-d6	67.9	P	30 - 160
EPA 8321B	Endothall-d6	116	P	30 - 160
EPA 8321B	Endothall-d6	116	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	107	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	107	P	30 - 160
EPA 8321B	Ibuprofen-d3	46.2	P	30 - 160
EPA 8321B	Primidone-d5	63.6	P	30 - 160
EPA 8321B	Sucralose-d6	107	P	30 - 160
EPA 8321B	Sucralose-d6	107	P	30 - 160

Lab Sample ID: 2071547

Field Sample ID: G1WA0052

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	65.2	P	30 - 160

Lab Sample ID: 2071548

Field Sample ID: G1WA0052

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	74.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	102	P	30 - 160
EPA 8321B	Carbamazepine-d10	83.5	P	30 - 160
EPA 8321B	Diuron-d6	77.0	P	30 - 160
EPA 8321B	Endothall-d6	116	P	30 - 160
EPA 8321B	Endothall-d6	116	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	126	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	126	P	30 - 160
EPA 8321B	Ibuprofen-d3	72.7	P	30 - 160
EPA 8321B	Primidone-d5	64.2	P	30 - 160
EPA 8321B	Sucralose-d6	72.1	P	30 - 160
EPA 8321B	Sucralose-d6	72.1	P	30 - 160

Lab Sample ID: 2071549

Field Sample ID: G1WA0060

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	66.9	P	30 - 160

Lab Sample ID: 2071550

Field Sample ID: G1WA0060

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
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Quality Assurance Report Surrogates

Lab Sample ID: 2071550

Field Sample ID: G1WA0060

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	70.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	90.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	77.1	P	30 - 160
EPA 8321B	Diuron-d6	73.9	P	30 - 160
EPA 8321B	Endothall-d6	139	P	30 - 160
EPA 8321B	Endothall-d6	139	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	150	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	150	P	30 - 160
EPA 8321B	Ibuprofen-d3	52.9	P	30 - 160
EPA 8321B	Primidone-d5	56.6	P	30 - 160
EPA 8321B	Sucralose-d6	119	P	30 - 160
EPA 8321B	Sucralose-d6	119	P	30 - 160

Lab Sample ID: 2071551

Field Sample ID: G1WA0018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	74.8	P	39 - 109
EPA 8270D	Tetrachloro-m-xylene	58.6	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	52.1	P	30 - 103
EPA 8276	PCNB	128	P	37 - 143

Lab Sample ID: 2071552

Field Sample ID: G1WA0018

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Simazine-d10	94.2	P	68 - 130
EPA 8270D	Terbufos-d10	127	P	61 - 136

Lab Sample ID: 2071553

Field Sample ID: G1WA0052

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	63.6	P	39 - 109
EPA 8270D	Tetrachloro-m-xylene	48.0	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	45.3	P	30 - 103
EPA 8276	PCNB	130	P	37 - 143

Lab Sample ID: 2071554

Field Sample ID: G1WA0052

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Simazine-d10	126	P	68 - 130
EPA 8270D	Terbufos-d10	102	P	61 - 136

Lab Sample ID: 2071555

Field Sample ID: G1WA0060

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Decachlorobiphenyl	76.7	P	39 - 109
EPA 8270D	Tetrachloro-m-xylene	63.6	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	53.1	P	30 - 103

Quality Assurance Report Surrogates

Lab Sample ID: 2071555
Field Sample ID: G1WA0060

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8276	PCNB	178	F	37 - 143

Lab Sample ID: 2071556
Field Sample ID: G1WA0060

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270D	Simazine-d10	101	P	68 - 130
EPA 8270D	Terbufos-d10	98.5	P	61 - 136

Quality Assurance Report Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A90130

Included Lab Sample IDs: 2071513, 2071516, 2071519, 2071522, 2071523, 2071524

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	99.5	100	P/P	95 - 105
Turbidity	99.5	99.5	P/P	95 - 105

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A90131

Included Lab Sample IDs: 2071515, 2071518, 2071521, 2071528, 2071529, 2071530

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	99.3	P/P	90 - 110
O-Phosphate-P	99.0	98.5	P/P	90 - 110
O-Phosphate-P	99.3	99.0	P/P	90 - 110

Reference Method: SM 2120 B

Run ID: A90152

Included Lab Sample IDs: 2071513, 2071516, 2071519, 2071522, 2071523, 2071524

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	103	104	P/P	90 - 115
Color (true)	104	104	P/P	90 - 115

Reference Method: EPA 8321B

Run ID: A90161

Included Lab Sample IDs: 2071546, 2071548, 2071550

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	115	119	P/P	60 - 160
Glufosinate	106	95.4	P/P	60 - 160
Glyphosate	79.5	82.6	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A90203

Included Lab Sample IDs: 2071546, 2071548, 2071550

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	120	129	P/P	60 - 160
Endothall	115	119	P/P	60 - 160

Reference Method: SM 5310 B-00

Run ID: A90216

Included Lab Sample IDs: 2071514, 2071517, 2071520, 2071525, 2071526, 2071527

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.6	98.4	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A90217

Included Lab Sample IDs: 2071514, 2071517

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	102	103	P/P	90 - 110
NO2NO3-N	104	104	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A90234

Included Lab Sample IDs: 2071520, 2071525, 2071526, 2071527

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A90244

Included Lab Sample IDs: 2071514, 2071517, 2071520, 2071525, 2071526, 2071527

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	104	94.6	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A90245

Included Lab Sample IDs: 2071557, 2071558, 2071559, 2071560, 2071561, 2071562

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Barium	102	98.4	P/P	90 - 110
Calcium	104	102	P/P	90 - 110
Iron	104	101	P/P	90 - 110
Magnesium	105	102	P/P	90 - 110
Potassium	103	99.8	P/P	90 - 110
Sodium	105	103	P/P	90 - 110
Zinc	103	98.7	P/P	90 - 110

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A90254

Included Lab Sample IDs: 2071557, 2071558, 2071559, 2071560, 2071561, 2071562

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	101	100	P/P	90 - 110
Aluminum	100	101	P/P	90 - 110
Antimony	97.8	99.3	P/P	90 - 110
Antimony	99.0	97.8	P/P	90 - 110
Arsenic	102	97.7	P/P	90 - 110
Arsenic	97.7	99.2	P/P	90 - 110
Boron	101	96.9	P/P	90 - 110
Boron	95.1	101	P/P	90 - 110
Cadmium	97.7	98.8	P/P	90 - 110
Cadmium	98.8	99.3	P/P	90 - 110
Chromium	97.2	99.7	P/P	90 - 110
Chromium	99.7	99.8	P/P	90 - 110
Copper	100	99.1	P/P	90 - 110
Copper	99.1	100	P/P	90 - 110
Lead	98.3	98.8	P/P	90 - 110
Lead	98.8	98.6	P/P	90 - 110
Nickel	98.1	98.4	P/P	90 - 110
Nickel	98.2	98.1	P/P	90 - 110
Selenium	96.4	98.7	P/P	90 - 110
Selenium	99.0	96.4	P/P	90 - 110
Silver	103	103	P/P	90 - 110
Silver	103	104	P/P	90 - 110
Thallium	92.3	94.1	P/P	90 - 110
Thallium	94.1	94.4	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A90259

Included Lab Sample IDs: 2071513, 2071516, 2071519, 2071522, 2071523, 2071524

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	102	102	P/P	90 - 110
Chloride	102	102	P/P	90 - 110
Sulfate	103	103	P/P	90 - 110
Sulfate	103	104	P/P	90 - 110

Reference Method: EPA 8321B

Run ID: A90274

Included Lab Sample IDs: 2071546, 2071548, 2071550

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	105	90.9	P/P	50 - 150
3-Hydroxycarbofuran	109	108	P/P	60 - 150
Acetaminophen	109	92.7	P/P	60 - 160
Aldicarb	96.0	101	P/P	60 - 150
Aldicarb Sulfone	95.5	94.9	P/P	50 - 150
Aldicarb Sulfoxide	85.0	94.7	P/P	50 - 150
Bentazon	86.4	91.8	P/P	50 - 160
Carbamazepine	106	91.9	P/P	60 - 150
Carbaryl	96.2	110	P/P	60 - 150
Carbofuran	106	111	P/P	50 - 150
Diuron	94.9	108	P/P	60 - 150
Fenuron	108	109	P/P	60 - 150
Fluridone	124	93.4	P/P	60 - 160
Hydrocodone	105	99.1	P/P	60 - 150
Ibuprofen	113	108	P/P	50 - 160
Imazapyr	98.4	83.8	P/P	50 - 150
Imidacloprid	103	106	P/P	60 - 150
Linuron	88.8	104	P/P	60 - 150
MCPP	87.5	96.6	P/P	50 - 150
Methiocarb	97.6	106	P/P	50 - 150
Methomyl	84.1	94.9	P/P	50 - 150
Naproxen	97.8	125	P/P	50 - 160
Oxamyl	105	101	P/P	50 - 150
Primidone	121	135	P/P	60 - 150
Propoxur	102	108	P/P	50 - 150
Pyraclostrobin	87.2	87.3	P/P	60 - 150
Triclopyr	104	101	P/P	50 - 150

Reference Method: EPA 8270D

Run ID: A90287

Included Lab Sample IDs: 2071551, 2071553, 2071555

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	93.1		P	80 - 120
Alpha-BHC	95.8		P	80 - 120
Alpha-Chlordane	92.6		P	80 - 120
Beta-BHC	94.9		P	80 - 120
Bifenthrin	97.6		P	80 - 120
Carbophenothion	108		P	80 - 120
Chlorothalonil	102		P	80 - 120
Cis-Nonachlor	92.0		P	80 - 120

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8270D

Run ID: A90287

Included Lab Sample IDs: 2071551, 2071553, 2071555

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Cypermethrin	88.6		P	80 - 120
DDD-p,p'	96.1		P	80 - 120
DDE-p,p'	94.6		P	80 - 120
DDT-p,p'	103		P	80 - 120
Delta-BHC	97.8		P	80 - 120
Dicofol	99.4		P	80 - 120
Dieldrin	91.8		P	80 - 120
Endosulfan I	95.4		P	80 - 120
Endosulfan II	92.9		P	80 - 120
Endosulfan Sulfate	91.9		P	80 - 120
Endrin	92.3		P	80 - 120
Endrin Aldehyde	89.5		P	80 - 120
Endrin Ketone	93.2		P	80 - 120
Ethalfuralin	98.1		P	80 - 120
Gamma-BHC	99.0		P	80 - 120
Gamma-Chlordane	91.1		P	80 - 120
Heptachlor	92.6		P	80 - 120
Heptachlor Epoxide	92.2		P	80 - 120
Hexachlorobenzene	99.7		P	80 - 120
Methoxychlor	101		P	80 - 120
Mirex	96.0		P	80 - 120
Permethrin	93.9		P	80 - 120
Trans-Nonachlor	92.1		P	80 - 120
Trifluralin	93.2		P	80 - 120

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A90288

Included Lab Sample IDs: 2071514, 2071517, 2071520, 2071525, 2071526

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	103	103	P/P	90 - 110
Ammonia-N	104	104	P/P	90 - 110
Ammonia-N	104	105	P/P	90 - 110
Ammonia-N	105	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A90290

Included Lab Sample IDs: 2071514, 2071517, 2071520, 2071525, 2071526

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	100	101	P/P	90 - 110
Total-P	102	100	P/P	90 - 110

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A90299

Included Lab Sample IDs: 2071562

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Thallium	92.6	92.6	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A90303

Included Lab Sample IDs: 2071527

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	99.8	99.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A90315

Included Lab Sample IDs: 2071527

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

Reference Method: SM 2320 B-97

Run ID: A90337

Included Lab Sample IDs: 2071513, 2071516, 2071519, 2071522, 2071523, 2071524

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	97.8	98.4	P/P	90 - 110

Reference Method: SM 4500 F-C-97

Run ID: A90337

Included Lab Sample IDs: 2071513, 2071516, 2071519, 2071522, 2071523, 2071524

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

Reference Method: EPA 8270D

Run ID: A90343

Included Lab Sample IDs: 2071552, 2071554, 2071556

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	104		P	80 - 120
Alachlor	105		P	80 - 120
Ametryn	86.6		P	80 - 120
Atrazine	98.5		P	80 - 120
Atrazine Desethyl	94.9		P	80 - 120
Azinphos Methyl	90.2		P	80 - 120
Bromacil	106		P	80 - 120
Butylate	99.6		P	80 - 120
Chlorpyrifos Ethyl	98.2		P	80 - 120
Chlorpyrifos Methyl	102		P	80 - 120
Cyanazine	95.0		P	80 - 120
Demeton	91.5		P	80 - 120
Diazinon	97.8		P	80 - 120
Dimethenamid	105		P	80 - 120
Disulfoton	92.7		P	80 - 120
Dithiopyr	101		P	80 - 120
EPTC	101		P	80 - 120
Ethion	92.6		P	80 - 120
Ethoprop	95.4		P	80 - 120
Fenamiphos	92.8		P	80 - 120
Fipronil	99.8		P	80 - 120
Fipronil Desulfinyl	107		P	80 - 120
Fipronil Sulfide	93.6		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270D

Run ID: A90343

Included Lab Sample IDs: 2071552, 2071554, 2071556

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fipronil Sulfone	100		P	80 - 120
Fonofos	91.4		P	80 - 120
Hexazinone	96.0		P	80 - 120
Malathion	98.1		P	80 - 120
Metalaxyl	102		P	80 - 120
Metolachlor	108		P	80 - 120
Metribuzin	89.1		P	80 - 120
Mevinphos	99.5		P	80 - 120
Molinate	101		P	80 - 120
Norflurazon	113		P	80 - 120
Oxadiazon	108		P	80 - 120
Parathion Ethyl	97.2		P	80 - 120
Parathion Methyl	87.9		P	80 - 120
Pendimethalin	96.6		P	80 - 120
Phorate	96.4		P	80 - 120
Prodiamine	95.2		P	80 - 120
Prometon	114		P	80 - 120
Prometryn	110		P	80 - 120
Simazine	88.5		P	80 - 120
Tebuconazole	106		P	80 - 120
Terbufos	92.3		P	80 - 120
Terbutylazine	100		P	80 - 120

Reference Method: EPA 8276

Run ID: A90424

Included Lab Sample IDs: 2071551, 2071553, 2071555

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	102		P	80 - 120
Toxaphene	130*		F	80 - 120

Reference Method: EPA 8321B

Run ID: A90425

Included Lab Sample IDs: 2071546, 2071548, 2071550

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sucralose	122	143	P/P	60 - 160
Sucralose	122	122	P/P	60 - 160

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

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

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery			Precision	
							LCS	MS
EPA 180.1 Rev. 2.0	Turbidity						4.62	
	Turbidity						3.36	
EPA 200.7 Rev. 4.4	Barium	104		91.9	96.1	97.6		1.31
	Calcium	107		103	103			1.42
	Iron	103		109	105	105		0.0820
	Magnesium	107		110	104			0.0054
	Potassium	105		105	104	105		1.09
	Sodium	104		101	103			1.41
	Zinc	105		92.6	98.5	99.0		0.502
EPA 200.8 Rev. 5.4	Aluminum	97.1		95.7	95.9	97.1		1.23
	Antimony	94.0		97.6	98.4	99.0		0.623
	Arsenic	97.8		99.2	99.9	101		1.03
	Boron	92.9		96.9	97.1	97.1		0.0122
	Cadmium	94.9		97.1	99.9	100		0.134
	Chromium	89.3		92.0	92.7	92.6		0.0817
	Copper	98.2		96.6	94.9	94.8		0.136
	Lead	92.8		96.0	96.8	97.0		0.157
	Nickel	95.8		95.7	94.8	95.0		0.131
	Selenium	97.1		96.9	96.7	96.9		0.178
	Silver	98.5		101	99.9	101		0.973
	Thallium	92.8		98.0	98.1	99.7		1.68
EPA 300.0 Rev. 2.1	Chloride	101		98.0	99.1		0.425	
	Chloride	103		100	98.4		1.92	
	Sulfate	102		101	99.2		0.294	
	Sulfate	105		101	101		2.18	
EPA 350.1 Rev. 2.0	Ammonia-N	101		102	102			0.0919
	Ammonia-N	101		101	101			0.212
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	100						3.76
	Kjeldahl Nitrogen	98.7		104	101			1.96
EPA 353.2 Rev. 2.0	NO2NO3-N	104		106	107			0.375
	NO2NO3-N	100		100	100			0.0
EPA 365.1 Rev. 2.0	Total-P	108		99.4	93.8			4.95
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	102		98.1	99.7			1.20
EPA 8270D	Acetochlor	96.5	116	102	108	18.2		6.42
	Alachlor	96.7	109			12.1		9.62
	Aldrin	41.8	35.9	59.3	55.7	15.2		6.13
	Alpha-BHC	108	103	116	111	4.36		4.78
	Alpha-Chlordane	84.4	85.6	87.4	83.2	1.34		4.95
	Ametryn	82.8	91.0	105	103	9.43		2.26
	Atrazine	98.8	105	96.4	114	5.81		15.0
	Atrazine Desethyl	109	97.1	101	138	11.6		30.8
	Azinphos Methyl	119	116	121	138	2.14		13.2
	Beta-BHC	153	148	160	140	3.64		13.2
	Bifenthrin	87.5	90.9	88.4	82.7	3.84		6.61
	Bromacil	73.5	89.5	94.4	88.5	19.6		6.35
	Butylate	59.4	60.9	38.9	34.6	2.55		11.7
	Carbophenothion	82.2	82.6	107	114	0.467		6.73
	Chlorothalonil	126	123	29.1	28.3	2.25		2.98
	Chlorpyrifos Ethyl	91.2	92.9	93.2	128	1.91		31.2
	Chlorpyrifos Methyl	113	97.9	111	103	13.9		7.57
	Cis-Nonachlor	87.4	90.3	96.9	91.7	3.25		5.48
	Cyanazine	126	108	131	97.9	15.2		29.3
	Cypermethrin	96.9	101	120	106	3.65		12.0
	DDD-p,p'	92.4	97.0	92.2	88.3	4.90		4.24

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision SMP	MS
EPA 8270D	DDE-p,p'	76.1	75.5	78.7	78.4	0.859		0.397
	DDT-p,p'	98.5	101	104	96.3	2.50		7.88
	Delta-BHC	137	156	173	158	13.3		9.20
	Demeton	80.4	72.8	150	73.1	9.89		69.2
	Diazinon	101	108	90.6	95.8	6.70		5.60
	Dicofol	95.3	96.5	97.5	92.2	1.22		5.58
	Dieldrin	86.5	93.0	92.3	87.1	7.16		5.76
	Dimethenamid	96.9	117	55.1	103	18.6		60.4
	Disulfoton	94.4	80.0	167	90.2	16.5		59.4
	Dithiopyr	95.3	113	99.5	103	17.2		3.30
	Endosulfan I	90.9	102	107	99.8	11.0		6.70
	Endosulfan II	104	119	133	123	13.5		8.09
	Endosulfan Sulfate	113	128	119	106	12.7		12.0
	Endrin	77.9	79.6	105	99.8	2.07		4.69
	Endrin Aldehyde	112	112	103	101	0.0407		1.95
	Endrin Ketone	105	116	114	103	10.1		9.94
	EPTC	59.8	69.1	56.3	40.6	14.4		32.5
	Ethalfuralin	97.4	95.8	107	97.3	1.63		9.76
	Ethion	79.5	88.4	117	94.3	10.6		21.4
	Ethoprop	88.7	88.5	286	88.0	0.123		106
	Fenamiphos	85.5	90.8	132	91.4	5.97		36.5
	Fipronil	100	116	111	111	14.6		0.0384
	Fipronil Desulfinyl	90.6	105	97.1	98.4	14.5		1.27
	Fipronil Sulfide	90.6	94.8	110	103	4.57		6.63
	Fipronil Sulfone	78.8	90.7	100	98.4	14.0		1.78
	Fonofos	86.6	78.7	83.1	101	9.59		19.6
	Gamma-BHC	142	143	125	142	0.145		12.3
	Gamma-Chlordane	83.5	82.7	85.2	81.4	0.930		4.51
	Heptachlor	76.3	72.4	85.4	78.5	5.29		8.35
	Heptachlor Epoxide	86.2	91.3	88.8	84.2	5.71		5.36
	Hexachlorobenzene	71.6	59.7	72.5	60.0	18.2		18.9
	Hexazinone	92.7	110	101	101	17.5		0.344
	Malathion	105	125	130	108	17.2		18.9
	Metalaxyl	96.9	106	101	89.8	8.85		11.5
	Methoxychlor	122	126	124	113	3.40		9.06
	Metolachlor	87.7	107			20.1		13.3
	Metribuzin	173	112	134	182	42.8		22.0
	Mevinphos	91.6	100	102	220	9.23		73.5
	Mirex	65.7	62.6	75.2	72.3	4.83		3.93
	Molinate	70.0	72.8	57.6	87.7	3.90		41.5
	Norflurazon	102	119	109	106	15.4		3.28
	Oxadiazon	92.4	101	89.9	107	8.56		17.5
	Parathion Ethyl	85.1	89.7	90.7	88.3	5.23		2.63
	Parathion Methyl	107	99.7	109	120	6.65		9.89
	Pendimethalin	85.3	84.2	88.6	85.3	1.26		3.71
	Permethrin	77.1	75.6	81.4	75.8	2.03		7.05
	Phorate	87.2	68.9	92.0	7090	23.5		195
	Prodiamine	67.6	81.6	110	108	18.7		1.57
	Prometon	88.8	108	94.9	93.5	19.4		1.49
	Prometryn	93.4	102	92.8	107	8.67		14.4
	Simazine	110	101	109	83.8	8.54		25.7
	Tebuconazole	77.2	113	110	82.9	37.3		26.4
	Terbufos	89.1	79.1	85.7	103	11.9		18.6
	Terbuthylazine	91.7	91.3	91.8	93.9	0.451		2.24

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		Precision	
						LCS	MS
EPA 8270D	Trans-Nonachlor	81.1	80.6	83.8	81.0	0.619	3.33
	Trifluralin	87.6	86.1	93.6	85.4	1.77	9.24
EPA 8276	Chlordane	90.0	81.1	62.6	81.4	10.4	26.1
	Toxaphene	82.1	94.0	74.0	104	13.5	34.1
EPA 8321B	2,4-D	84.1		68.7	89.6		26.4
	3-Hydroxycarbofuran	95.2		101	95.7		5.57
	Acesulfame K	110		185	193		4.12
	Acetaminophen	106		137	128		6.76
	Aldicarb	85.8		95.3	101		5.55
	Aldicarb Sulfone	116		117	115		1.74
	Aldicarb Sulfoxide	115		77.4	70.7		9.07
	AMPA	99.0		108	102		4.39
	Bentazon	113		100	94.2		5.99
	Carbamazepine	87.3		114	103		10.1
	Carbaryl	89.8		87.3	88.3		1.14
	Carbofuran	97.1		94.5	91.2		3.55
	Diuron	103		99.9	102		1.87
	Endothall	119		149	145		2.63
	Fenuron	148		144	138		3.97
	Fluridone	114		118	114		2.86
	Glufosinate	91.7		108	103		5.06
	Glyphosate	87.7		92.1	81.8		10.6
	Hydrocodone	122		102	109		5.95
	Ibuprofen	63.6		65.8	65.5		0.352
	Imazapyr	104		113	98.6		13.9
	Imidacloprid	134		184	174		5.26
	Linuron	80.6		90.5	85.2		5.94
	MCPP	112		114	105		7.83
	Methiocarb	73.9		71.8	84.3		16.0
	Methomyl	95.4		109	106		2.65
	Naproxen	71.0		99.4	87.0		13.3
	Oxamyl	116		119	121		1.19
	Primidone	114		122	94.3		25.9
	Propoxur	84.5		93.2	87.3		6.56
	Pyraclostrobin	72.3		107	108		0.860
	Sucralose	108		99.2	63.5		22.1
	Triclopyr	62.3		62.1	58.9		5.22
SM 2120 B	Color (true)	107				1.35	
	Color (true)	104				1.31	
SM 2320 B-97	Total Alkalinity	98.3				0.554	
SM 2540 C-97	TDS					4.91	
	TDS					4.48	
SM 4500 F-C-97	Fluoride	99.7		101	100		0.484
SM 5310 B-00	Organic Carbon	100		100	99.6		0.384

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 180.1 Rev. 2.0 / E31780	Turbidity in aqueous matrices	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
EPA 200.7 Rev. 4.4 / E31780	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2071557, 2071558, 2071559, 2071560, 2071561, 2071562

Reference Method Descriptions

Method / DoH Cert #	Description	Associated Samples
EPA 200.8 Rev. 5.4 / E31780	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2071557, 2071558, 2071559, 2071560, 2071561, 2071562
EPA 300.0 Rev. 2.1 / E31780	Chloride in aqueous matrices	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
EPA 300.0 Rev. 2.1 / E31780	Sulfate in aqueous matrices	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
EPA 350.1 Rev. 2.0 / E31780	Ammonia in aqueous matrices as mg N/L	2071514, 2071517, 2071520, 2071525, 2071526, 2071527
EPA 351.2 Rev. 2.0 / E31780	Total Kjeldahl Nitrogen in aqueous matrices	2071514, 2071517, 2071520, 2071525, 2071526, 2071527
EPA 353.2 Rev. 2.0 / E31780	Nitrite/Nitrate in aqueous matrices as mg N/L	2071514, 2071517, 2071520, 2071525, 2071526, 2071527
EPA 365.1 Rev. 2.0 / E31780	Total Phosphorus in aqueous matrices as mg P/L	2071514, 2071517, 2071520, 2071525, 2071526, 2071527
EPA 365.1 Rev. 2.0 dissolved / E31780	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2071515, 2071518, 2071521, 2071528, 2071529, 2071530
EPA 8270D / E31780	Organochlorine pesticides in water matrices by GC/MS-SIM	2071551, 2071553, 2071555
EPA 8270D / E31780	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2071552, 2071554, 2071556
EPA 8276 / E31780	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2071551, 2071553, 2071555
EPA 8321B / E31780	Carbamates in water matrices by HPLC/MS/MS	2071545, 2071547, 2071549
EPA 8321B / E31780	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2071546, 2071548, 2071550
EPA 8321B / E31780	Water soluble organic compounds by HPLC/MS/MS	2071546, 2071548, 2071550
SM 2120 B / E31780	True Color measured at 450 nm	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
SM 2320 B-97 / E31780	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
SM 2540 C-97 / E31780	Total Dissolved Solids in aqueous matrices	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
SM 2540 D-97 / E31780	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
SM 4500 F-C-97 / E31780	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
SM 5310 B-00 / E31780	Nonpurgeable Organic Carbon in aqueous matrices	2071514, 2071517, 2071520, 2071525, 2071526, 2071527

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	03/20/2019			03/20/2019 16:08	Adrian Shelby	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
EPA 200.7 Rev. 4.4	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/26/2019 14:55	Betina Topolski	2071557
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/26/2019 15:00	Betina Topolski	2071558
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/26/2019 15:02	Betina Topolski	2071559
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/26/2019 15:05	Betina Topolski	2071560
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/26/2019 15:07	Betina Topolski	2071561
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/26/2019 15:22	Betina Topolski	2071562
EPA 200.8 Rev. 5.4	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/27/2019 05:25	Robert K Palmer	2071557
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/27/2019 05:53	Robert K Palmer	2071558
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/27/2019 06:03	Robert K Palmer	2071559
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/27/2019 06:12	Robert K Palmer	2071560
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/27/2019 06:22	Robert K Palmer	2071561
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/27/2019 06:41	Robert K Palmer	2071562
	03/20/2019	03/25/2019 13:00	Elliott D. Healy	03/27/2019 18:13	Robert K Palmer	2071562
EPA 300.0 Rev. 2.1	03/20/2019			03/26/2019 22:02	Lipi Saha	2071513
	03/20/2019			03/26/2019 23:39	Lipi Saha	2071516
	03/20/2019			03/27/2019 00:03	Lipi Saha	2071519
	03/20/2019			03/27/2019 00:15	Lipi Saha	2071522
	03/20/2019			03/27/2019 00:27	Lipi Saha	2071523
	03/20/2019			03/27/2019 00:39	Lipi Saha	2071524
EPA 350.1 Rev. 2.0	03/20/2019			03/27/2019 13:03	Ping Hua	2071526
	03/20/2019			03/27/2019 13:13	Ping Hua	2071514
	03/20/2019			03/27/2019 13:42	Ping Hua	2071517
	03/20/2019			03/27/2019 13:43	Ping Hua	2071520
	03/20/2019			03/27/2019 13:51	Ping Hua	2071525
	03/20/2019			03/28/2019 10:06	Ping Hua	2071527
EPA 351.2 Rev. 2.0	03/20/2019	03/25/2019 10:45	Adrian Shelby	03/26/2019 16:04	Joseph Suarez	2071514
	03/20/2019	03/25/2019 10:45	Adrian Shelby	03/26/2019 16:06	Joseph Suarez	2071517
	03/20/2019	03/25/2019 10:45	Adrian Shelby	03/26/2019 16:08	Joseph Suarez	2071520
	03/20/2019	03/25/2019 10:45	Adrian Shelby	03/26/2019 16:09	Joseph Suarez	2071525
	03/20/2019	03/25/2019 10:45	Adrian Shelby	03/26/2019 16:11	Joseph Suarez	2071526
	03/20/2019	03/25/2019 10:45	Adrian Shelby	03/26/2019 16:15	Joseph Suarez	2071527
EPA 353.2 Rev. 2.0	03/20/2019			03/25/2019 10:08	Beverly Y. Sanders	2071514
	03/20/2019			03/25/2019 11:36	Beverly Y. Sanders	2071517
	03/20/2019			03/26/2019 09:40	Lauren Lees	2071520
	03/20/2019			03/26/2019 09:41	Lauren Lees	2071525
	03/20/2019			03/26/2019 09:42	Lauren Lees	2071526
	03/20/2019			03/26/2019 09:43	Lauren Lees	2071527
EPA 365.1 Rev. 2.0	03/20/2019	03/27/2019 12:00	Adrian Shelby	03/28/2019 11:19	Rosalyn Ballman	2071526

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 365.1 Rev. 2.0	03/20/2019	03/27/2019 12:00	Adrian Shelby	03/28/2019 11:29	Rosalyn Ballman	2071514
	03/20/2019	03/27/2019 12:00	Adrian Shelby	03/28/2019 11:30	Rosalyn Ballman	2071517
	03/20/2019	03/27/2019 12:00	Adrian Shelby	03/28/2019 11:31	Rosalyn Ballman	2071520
	03/20/2019	03/27/2019 12:00	Adrian Shelby	03/28/2019 11:32	Rosalyn Ballman	2071525
	03/20/2019	03/27/2019 12:00	Adrian Shelby	03/28/2019 15:21	Rosalyn Ballman	2071527
EPA 365.1 Rev. 2.0 dissolved	03/20/2019			03/20/2019 15:58	Julia Storbeck	2071515
	03/20/2019			03/20/2019 16:20	Julia Storbeck	2071521
	03/20/2019			03/20/2019 16:25	Julia Storbeck	2071518
	03/20/2019			03/20/2019 16:30	Julia Storbeck	2071528
	03/20/2019			03/20/2019 16:31	Julia Storbeck	2071529
EPA 8270D	03/20/2019			03/20/2019 16:32	Julia Storbeck	2071530
	03/20/2019	03/25/2019 08:00	Rasheda Ghaffari	03/27/2019 23:08	Dinesh Mishra	2071551
	03/20/2019	03/25/2019 08:00	Rasheda Ghaffari	03/27/2019 23:40	Dinesh Mishra	2071553
	03/20/2019	03/25/2019 08:00	Rasheda Ghaffari	03/28/2019 00:12	Dinesh Mishra	2071555
	03/20/2019	03/27/2019 08:00	Fe-Val Siddell	03/28/2019 17:02	Vandana T. Nagar	2071552
EPA 8276	03/20/2019	03/27/2019 08:00	Fe-Val Siddell	03/28/2019 17:26	Vandana T. Nagar	2071554
	03/20/2019	03/27/2019 08:00	Fe-Val Siddell	03/28/2019 17:50	Vandana T. Nagar	2071556
	03/20/2019	03/25/2019 08:00	Rasheda Ghaffari	04/03/2019 12:24	Arthur Maknenko	2071551
	03/20/2019	03/25/2019 08:00	Rasheda Ghaffari	04/03/2019 13:19	Arthur Maknenko	2071553
	03/20/2019	03/25/2019 08:00	Rasheda Ghaffari	04/03/2019 14:15	Arthur Maknenko	2071555
EPA 8321B	03/20/2019	03/20/2019 17:40	Hoor Shaik	03/20/2019 18:21	Juyoung Kim	2071546
	03/20/2019	03/20/2019 17:40	Hoor Shaik	03/20/2019 18:31	Juyoung Kim	2071548
	03/20/2019	03/20/2019 17:40	Hoor Shaik	03/20/2019 18:42	Juyoung Kim	2071550
	03/20/2019	03/20/2019 17:40	Hoor Shaik	03/21/2019 07:53	Juyoung Kim	2071546
	03/20/2019	03/20/2019 17:40	Hoor Shaik	03/21/2019 08:07	Juyoung Kim	2071548
SM 2120 B	03/20/2019	03/20/2019 17:40	Hoor Shaik	03/21/2019 08:21	Juyoung Kim	2071550
	03/20/2019	03/26/2019 12:30	Hoor Shaik	03/27/2019 15:35	Juyoung Kim	2071545
	03/20/2019	03/26/2019 12:30	Hoor Shaik	03/27/2019 16:10	Juyoung Kim	2071547
	03/20/2019	03/26/2019 12:30	Hoor Shaik	03/27/2019 16:44	Juyoung Kim	2071549
	03/20/2019	03/26/2019 12:30	Hoor Shaik	03/27/2019 19:03	Juyoung Kim	2071546
	03/20/2019	03/26/2019 12:30	Hoor Shaik	03/27/2019 21:21	Juyoung Kim	2071548
	03/20/2019	03/26/2019 12:30	Hoor Shaik	03/27/2019 21:55	Juyoung Kim	2071550
	03/20/2019	04/01/2019 15:45	Rebecca Ware	04/02/2019 13:50	Rebecca Ware	2071546
	03/20/2019	04/01/2019 15:45	Rebecca Ware	04/02/2019 13:59	Rebecca Ware	2071548
	03/20/2019	04/01/2019 15:45	Rebecca Ware	04/02/2019 14:45	Rebecca Ware	2071550
	03/20/2019			03/20/2019 16:24	Mariam Hanna	2071519
	03/20/2019			03/20/2019 16:25	Mariam Hanna	2071522
	03/20/2019			03/20/2019 16:26	Mariam Hanna	2071523
	03/20/2019			03/20/2019 16:27	Mariam Hanna	2071524
	03/20/2019			03/20/2019 16:34	Mariam Hanna	2071513

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 2120 B	03/20/2019			03/20/2019 16:36	Mariam Hanna	2071516
SM 2320 B-97	03/20/2019			03/30/2019 03:03	Samantha Davila	2071513
	03/20/2019			03/30/2019 03:14	Samantha Davila	2071516
	03/20/2019			03/30/2019 03:26	Samantha Davila	2071519
	03/20/2019			03/30/2019 03:36	Samantha Davila	2071522
	03/20/2019			03/30/2019 03:48	Samantha Davila	2071523
	03/20/2019			03/30/2019 03:59	Samantha Davila	2071524
SM 2540 C-97	03/20/2019			03/22/2019 14:59	Yijie Li	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
SM 2540 D-97	03/20/2019			03/22/2019 14:59	Yijie Li	2071513, 2071516, 2071519, 2071522, 2071523, 2071524
SM 4500 F-C-97	03/20/2019			03/30/2019 03:03	Samantha Davila	2071513
	03/20/2019			03/30/2019 03:14	Samantha Davila	2071516
	03/20/2019			03/30/2019 03:26	Samantha Davila	2071519
	03/20/2019			03/30/2019 03:36	Samantha Davila	2071522
	03/20/2019			03/30/2019 03:48	Samantha Davila	2071523
	03/20/2019			03/30/2019 03:59	Samantha Davila	2071524
SM 5310 B-00	03/20/2019			03/22/2019 21:56	Julia Storbeck	2071514
	03/20/2019			03/22/2019 22:09	Julia Storbeck	2071517
	03/20/2019			03/22/2019 22:21	Julia Storbeck	2071520
	03/20/2019			03/22/2019 22:33	Julia Storbeck	2071525
	03/20/2019			03/22/2019 22:45	Julia Storbeck	2071526
	03/20/2019			03/22/2019 22:57	Julia Storbeck	2071527