

Chemical Analysis Report

TLH-ROC-2022-01-24-02

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

Event Description: **Run 15**
Request ID: **RQ-2022-01-17-47**
Customer: **TLH-ROC**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
2600 Blair Stone Rd
Tallahassee, FL 32399
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Certified by: Liang Lin, Environmental Administrator

Date Certified: 11-FEB-2022 14:54

A handwritten signature in black ink, appearing to read "Liang Lin", on a light-colored background.

NON-CONFORMANCE REPORT INCLUDED

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: Little Creek @ Ezell Rd

Collection Date/Time: 01/24/2022 11:05

Field ID: G3TLHR0003

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301324	EPA 8321B	2,4-D	0.0020	U	ug/L	P408897	
		Acesulfame K	0.10	U	ug/L	P408915	
		2,4,5-T	0.0040	U	ug/L	P408897	
		AMPA	0.10	U	ug/L	P408915	
		Acetaminophen	0.0080	U	ug/L	P408897	
		Acetamiprid	0.0020	U	ug/L	P408897	
		Endothall	0.25	U	ug/L	P408915	
		Glufosinate	0.10	U	ug/L	P408915	
		Glyphosate	0.10	U	ug/L	P408915	
		Afidopyropen	0.0020	U	ug/L	P408897	
		Bentazon	8.0E-04	U	ug/L	P408897	
		Sucralose	0.024	I	ug/L	P408915	
		Benzovindiflupyr	0.0020	U	ug/L	P408897	
		Carbamazepine	8.0E-04	U	ug/L	P408897	
		Clothianidin	0.0020	U	ug/L	P408897	
		Dinotefuran	0.0020	U	ug/L	P408897	
		Diuron	0.0020	U	ug/L	P408897	
		Fenuron	0.016	U	ug/L	P408897	
		Fluridone	8.0E-04	U	ug/L	P408897	
		Imazapyr	0.0049	I	ug/L	P408897	MS
		Hydrocodone	0.0020	U	ug/L	P408897	
		Ibuprofen	0.020	U	ug/L	P408897	
		Imidacloprid	0.0020	U	ug/L	P408897	MS
		Linuron	0.0040	U	ug/L	P408897	
		Mandestrobin	0.0020	U	ug/L	P408897	
		MCPP	0.0020	U	ug/L	P408897	
		Naproxen	0.0080	U	ug/L	P408897	
		Primidone	0.0040	U	ug/L	P408897	
		Pyraclostrobin	0.0020	U	ug/L	P408897	
		Silvex	0.0040	U	ug/L	P408897	
		Thiamethoxam	0.0020	U	ug/L	P408897	
		Tolfenpyrad	0.0020	U	ug/L	P408897	
		Triclopyr	0.0040	U	ug/L	P408897	

Sample Location: Little Creek @ Treatment Plant Rd

Collection Date/Time: 01/24/2022 11:25

Field ID: G3TLHR0002

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301299	DEP SOP: NU-094-1	Color (true)**	14		PCU	P408921	
	EPA 180.1 Rev. 2.0	Turbidity	5.0		NTU	P408926	
	EPA 300.0 Rev. 2.1	Chloride	5.8		mg Cl/L	P409286	
		Sulfate	2.5		mg SO4/L	P409289	
	SM 2320 B-2011	Total Alkalinity	95		mg CaCO3/L	P409054	
	SM 2540 C-2011	TDS	128	A	mg/L	P409500	
	SM 2540 D-2011	TSS	2	IA	mg/L	P409492	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P409057	
2301300	EPA 350.1 Rev. 2.0	Ammonia-N	0.027		mg N/L	P409352	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.20	I	mg N/L	P409136	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.56		mg N/L	P409061	
	EPA 365.1 Rev. 2.0	Total-P	0.021		mg P/L	P408939	
	SM 5310 B-2011	Organic Carbon	2.5		mg C/L	P409215	
2301301	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.008	I	mg P/L	P408919	
2301323	EPA 8321B	2,4-D	0.0020	U	ug/L	P408897	
		Acesulfame K	0.10	U	ug/L	P408915	
		2,4,5-T	0.0040	U	ug/L	P408897	
		AMPA	0.10	U	ug/L	P408915	
		Acetaminophen	0.0080	U	ug/L	P408897	
		Acetamiprid	0.0020	U	ug/L	P408897	
		Endothall	0.25	U	ug/L	P408915	
		Glufosinate	0.10	U	ug/L	P408915	
		Glyphosate	0.10	U	ug/L	P408915	
		Afidopyropen	0.0020	U	ug/L	P408897	
		Bentazon	8.0E-04	U	ug/L	P408897	
		Sucralose	0.044		ug/L	P408915	
		Benzovindiflupyr	0.0020	U	ug/L	P408897	
		Carbamazepine	8.0E-04	U	ug/L	P408897	
		Clothianidin	0.0020	U	ug/L	P408897	
		Dinotefuran	0.0020	U	ug/L	P408897	
		Diuron	0.0020	U	ug/L	P408897	
		Fenuron	0.016	U	ug/L	P408897	
		Fluridone	8.0E-04	U	ug/L	P408897	
		Imazapyr	0.0049	I	ug/L	P408897	MS
		Hydrocodone	0.0020	U	ug/L	P408897	
		Ibuprofen	0.020	U	ug/L	P408897	
		Imidacloprid	0.0020	U	ug/L	P408897	MS
		Linuron	0.0040	U	ug/L	P408897	
		Mandestrobin	0.0020	U	ug/L	P408897	
		MCPP	0.0020	U	ug/L	P408897	
		Naproxen	0.0080	U	ug/L	P408897	
		Primidone	0.0040	U	ug/L	P408897	
		Pyraclostrobin	0.0020	U	ug/L	P408897	

Field ID: G3TLHR0002

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301323	EPA 8321B	Silvex	0.0040	U	ug/L	P408897	
		Thiamethoxam	0.0020	U	ug/L	P408897	
		Tolfenpyrad	0.0020	U	ug/L	P408897	
		Triclopyr	0.0040	U	ug/L	P408897	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Flat Creek @ Duncan Community Rd

Collection Date/Time: 01/24/2022 13:30

Field ID: G3TLHR0007

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301287	DEP SOP: NU-094-1	Color (true)**	55	A	PCU	P408921	
	EPA 180.1 Rev. 2.0	Turbidity	8.7		NTU	P408925	
	EPA 300.0 Rev. 2.1	Chloride	4.9		mg Cl/L	P409286	
		Sulfate	1.2		mg SO4/L	P409289	
	SM 2320 B-2011	Total Alkalinity	5.5		mg CaCO3/L	P409054	
	SM 2540 C-2011	TDS	43		mg/L	P409499	
	SM 2540 D-2011	TSS	2	U	mg/L	P409491	
2301290	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P409057	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.003	I	mg N/L	P409352	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.34		mg N/L	P409137	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P409060	
	EPA 365.1 Rev. 2.0	Total-P	0.020		mg P/L	P408931	
2301293	SM 5310 B-2011	Organic Carbon	5.3		mg C/L	P409215	
	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.006	I	mg P/L	P408918	
2301318	EPA 8321B	2,4-D	0.0020	U	ug/L	P408897	
		Acesulfame K	0.10	U	ug/L	P408915	
		2,4,5-T	0.0040	U	ug/L	P408897	
		AMPA	0.10	U	ug/L	P408915	
		Acetaminophen	0.0080	U	ug/L	P408897	
		Acetamiprid	0.0020	U	ug/L	P408897	
		Endothall	0.25	U	ug/L	P408915	
		Glufosinate	0.10	U	ug/L	P408915	
		Glyphosate	0.10	U	ug/L	P408915	
		Afidopyropen	0.0020	U	ug/L	P408897	
		Bentazon	8.0E-04	U	ug/L	P408897	
		Sucralose	0.023	I	ug/L	P408915	
		Benzovindiflupyr	0.0020	U	ug/L	P408897	
		Carbamazepine	8.0E-04	U	ug/L	P408897	
		Clothianidin	0.0020	U	ug/L	P408897	
		Dinotefuran	0.0020	U	ug/L	P408897	
		Diuron	0.0020	U	ug/L	P408897	
		Fenuron	0.016	U	ug/L	P408897	
		Fluridone	8.0E-04	U	ug/L	P408897	
		Imazapyr	0.045		ug/L	P408897	MS
		Hydrocodone	0.0020	U	ug/L	P408897	
		Ibuprofen	0.020	U	ug/L	P408897	
		Imidacloprid	0.0020	U	ug/L	P408897	MS
		Linuron	0.0040	U	ug/L	P408897	
		Mandestrobin	0.0020	U	ug/L	P408897	
		MCPP	0.0020	U	ug/L	P408897	
		Naproxen	0.0080	U	ug/L	P408897	
		Primidone	0.0040	U	ug/L	P408897	
		Pyraclostrobin	0.0020	U	ug/L	P408897	

Field ID: G3TLHR0007

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301318	EPA 8321B	Silvex	0.0040	U	ug/L	P408897	
		Thiamethoxam	0.0020	U	ug/L	P408897	
		Tolfenpyrad	0.0020	U	ug/L	P408897	
		Triclopyr	0.0040	U	ug/L	P408897	
2301327	EPA 200.7 Rev. 4.4	Barium	11.3		ug/L	P408891	
		Calcium	2.48		mg/L	P408891	
		Iron	670		ug/L	P408891	
		Magnesium	1.23		mg/L	P408891	
		Manganese	12.1		ug/L	P408891	
		Potassium	1.2	I	mg/L	P408891	
		Sodium	1.8	I	mg/L	P408891	
		Strontium	7.5	I	ug/L	P408891	
		Tin	3.0	U	ug/L	P408891	
		Titanium	3.3		ug/L	P408891	
		Vanadium	2.0	U	ug/L	P408891	
		Zinc	5.0	U	ug/L	P408891	
	EPA 200.8 Rev. 5.4	Aluminum	417		ug/L	P408891	
		Antimony	0.050	U	ug/L	P408891	
		Arsenic	0.25		ug/L	P408891	
		Beryllium	0.016	I	ug/L	P408891	
		Boron**	8.3		ug/L	P408891	
		Cadmium	0.020	U	ug/L	P408891	
		Chromium	0.43	I	ug/L	P408891	
		Cobalt	0.062	I	ug/L	P408891	
		Copper	0.40	U	ug/L	P408891	
		Lead	0.37	I	ug/L	P408891	
	SM 2340B	Molybdenum	0.15	U	ug/L	P408891	
		Nickel	0.50	U	ug/L	P408891	
		Selenium	0.20	U	ug/L	P408891	
		Silver	0.010	U	ug/L	P408891	
		Thallium	0.10	U	ug/L	P408891	
		Hardness	11.2		mg/L	P408891	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Flat Creek @ Gainer Rd

Collection Date/Time: 01/24/2022 13:55

Field ID: G3TLHR0008

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301288	DEP SOP: NU-094-1	Color (true)**	55		PCU	P408921	
	EPA 180.1 Rev. 2.0	Turbidity	11		NTU	P408925	
	EPA 300.0 Rev. 2.1	Chloride	5.2		mg Cl/L	P409286	
		Sulfate	1.4		mg SO4/L	P409289	
	SM 2320 B-2011	Total Alkalinity	7.3		mg CaCO3/L	P409054	
	SM 2540 C-2011	TDS	42		mg/L	P409499	
	SM 2540 D-2011	TSS	2	I	mg/L	P409491	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P409057	
2301291	EPA 350.1 Rev. 2.0	Ammonia-N	0.006		mg N/L	P409352	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.32		mg N/L	P409137	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.060		mg N/L	P409061	
	EPA 365.1 Rev. 2.0	Total-P	0.027		mg P/L	P408931	
	SM 5310 B-2011	Organic Carbon	4.4		mg C/L	P409215	
2301294	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.011		mg P/L	P408918	
2301319	EPA 8321B	2,4-D	0.0020	U	ug/L	P408897	
		Acesulfame K	0.10	U	ug/L	P408915	
		2,4,5-T	0.0040	U	ug/L	P408897	
		AMPA	0.10	U	ug/L	P408915	
		Acetaminophen	0.0080	U	ug/L	P408897	
		Acetamiprid	0.0020	U	ug/L	P408897	
		Endothall	0.25	U	ug/L	P408915	
		Glufosinate	0.10	U	ug/L	P408915	
		Glyphosate	0.10	U	ug/L	P408915	
		Afidopyropen	0.0020	U	ug/L	P408897	
		Bentazon	8.0E-04	U	ug/L	P408897	
		Sucralose	0.023	I	ug/L	P408915	
		Benzovindiflupyr	0.0020	U	ug/L	P408897	
		Carbamazepine	8.0E-04	U	ug/L	P408897	
		Clothianidin	0.0020	U	ug/L	P408897	
		Dinotefuran	0.0020	U	ug/L	P408897	
		Diuron	0.0020	U	ug/L	P408897	
		Fenuron	0.016	U	ug/L	P408897	
		Fluridone	8.0E-04	U	ug/L	P408897	
		Imazapyr	0.012	I	ug/L	P408897	MS
		Hydrocodone	0.0020	U	ug/L	P408897	
		Ibuprofen	0.020	U	ug/L	P408897	
		Imidacloprid	0.0021	I	ug/L	P408897	MS
		Linuron	0.0040	U	ug/L	P408897	
		Mandestrobin	0.0020	U	ug/L	P408897	
		MCP	0.0020	U	ug/L	P408897	
		Naproxen	0.0080	U	ug/L	P408897	
		Primidone	0.0040	U	ug/L	P408897	
		Pyraclostrobin	0.0020	U	ug/L	P408897	

Field ID: G3TLHR0008

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301319	EPA 8321B	Silvex	0.0040	U	ug/L	P408897	
		Thiamethoxam	0.0020	U	ug/L	P408897	
		Tolfenpyrad	0.0020	U	ug/L	P408897	
		Triclopyr	0.0040	U	ug/L	P408897	
2301328	EPA 200.7 Rev. 4.4	Barium	13.8		ug/L	P408891	
		Calcium	2.83		mg/L	P408891	
		Iron	850		ug/L	P408891	
		Magnesium	1.37		mg/L	P408891	
		Manganese	19.5		ug/L	P408891	
		Potassium	1.5		mg/L	P408891	
		Sodium	1.9	I	mg/L	P408891	
		Strontium	8.4		ug/L	P408891	
		Tin	3.0	U	ug/L	P408891	
		Titanium	3.2		ug/L	P408891	
	EPA 200.8 Rev. 5.4	Vanadium	2.0	U	ug/L	P408891	
		Zinc	5.0	U	ug/L	P408891	
		Aluminum	412		ug/L	P408891	
		Antimony	0.050	U	ug/L	P408891	
		Arsenic	0.29		ug/L	P408891	
		Beryllium	0.022	I	ug/L	P408891	
		Boron**	7.8	I	ug/L	P408891	
		Cadmium	0.020	U	ug/L	P408891	
		Chromium	0.40	U	ug/L	P408891	
		Cobalt	0.088		ug/L	P408891	
SM 2340B		Copper	0.40	U	ug/L	P408891	
		Lead	0.37	I	ug/L	P408891	
		Molybdenum	0.15	U	ug/L	P408891	
		Nickel	0.50	U	ug/L	P408891	
		Selenium	0.20	U	ug/L	P408891	
		Silver	0.010	U	ug/L	P408891	
		Thallium	0.10	U	ug/L	P408891	
		Hardness	12.7		mg/L	P408891	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Minnow Creek @ Lovewood Rd

Collection Date/Time: 01/24/2022 11:55

Field ID: G3TLHR0044

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301289	DEP SOP: NU-094-1	Color (true)**	46		PCU	P408921	
	EPA 180.1 Rev. 2.0	Turbidity	5.8		NTU	P408925	
	EPA 300.0 Rev. 2.1	Chloride	5.8		mg Cl/L	P409286	
		Sulfate	0.68		mg SO4/L	P409289	
	SM 2320 B-2011	Total Alkalinity	6.8		mg CaCO3/L	P409054	
	SM 2540 C-2011	TDS	45		mg/L	P409500	
	SM 2540 D-2011	TSS	2	I	mg/L	P409492	
2301292	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P409057	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.005		mg N/L	P409352	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.31		mg N/L	P409136	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.062		mg N/L	P409061	
	EPA 365.1 Rev. 2.0	Total-P	0.019		mg P/L	P408931	
2301295	SM 5310 B-2011	Organic Carbon	5.6		mg C/L	P409215	
2301295	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.005	I	mg P/L	P408918	
2301320	EPA 8321B	2,4-D	0.0020	U	ug/L	P408897	
		Acesulfame K	0.10	U	ug/L	P408915	
		2,4,5-T	0.0040	U	ug/L	P408897	
		AMPA	0.10	U	ug/L	P408915	
		Acetaminophen	0.0080	U	ug/L	P408897	
		Acetamiprid	0.0020	U	ug/L	P408897	
		Endothall	0.25	U	ug/L	P408915	
		Glufosinate	0.10	U	ug/L	P408915	
		Glyphosate	0.10	U	ug/L	P408915	
		Afidopyrophen	0.0020	U	ug/L	P408897	
		Bentazon	8.0E-04	U	ug/L	P408897	
		Sucralose	0.025	I	ug/L	P408915	
		Benzovindiflupyr	0.0020	U	ug/L	P408897	
		Carbamazepine	8.0E-04	U	ug/L	P408897	
		Clothianidin	0.0020	U	ug/L	P408897	
		Dinotefuran	0.0020	U	ug/L	P408897	
		Diuron	0.0020	U	ug/L	P408897	
		Fenuron	0.016	U	ug/L	P408897	
		Fluridone	8.0E-04	U	ug/L	P408897	
		Imazapyr	0.0064	I	ug/L	P408897	MS
		Hydrocodone	0.0020	U	ug/L	P408897	
		Ibuprofen	0.020	U	ug/L	P408897	
		Imidacloprid	0.0025	I	ug/L	P408897	MS
		Linuron	0.0040	U	ug/L	P408897	
		Mandestrobin	0.0020	U	ug/L	P408897	
		MCPD	0.0020	U	ug/L	P408897	
		Naproxen	0.0080	U	ug/L	P408897	
		Primidone	0.0040	U	ug/L	P408897	
		Pyraclostrobin	0.0020	U	ug/L	P408897	

Field ID: G3TLHR0044

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301320	EPA 8321B	Silvex	0.0040	U	ug/L	P408897	
		Thiamethoxam	0.0020	U	ug/L	P408897	
		Tolfenpyrad	0.0020	U	ug/L	P408897	
		Triclopyr	0.0040	U	ug/L	P408897	
2301329	EPA 200.7 Rev. 4.4	Barium	12.2		ug/L	P408891	
		Calcium	3.52		mg/L	P408891	
		Iron	860		ug/L	P408891	
		Magnesium	1.19		mg/L	P408891	
		Manganese	27.8		ug/L	P408891	
		Potassium	1.2		mg/L	P408891	
		Sodium	1.8	I	mg/L	P408891	
		Strontium	8.4		ug/L	P408891	
		Tin	3.0	U	ug/L	P408891	
		Titanium	3.4		ug/L	P408891	
	EPA 200.8 Rev. 5.4	Vanadium	2.0	U	ug/L	P408891	
		Zinc	5.0	U	ug/L	P408891	
		Aluminum	218		ug/L	P408891	
		Antimony	0.050	U	ug/L	P408891	
		Arsenic	0.27		ug/L	P408891	
		Beryllium	0.010	U	ug/L	P408891	
		Boron**	9.2		ug/L	P408891	
		Cadmium	0.020	U	ug/L	P408891	
		Chromium	0.40	U	ug/L	P408891	
		Cobalt	0.059	I	ug/L	P408891	
SM 2340B		Copper	0.40	U	ug/L	P408891	
		Lead	0.22	I	ug/L	P408891	
		Molybdenum	0.15	U	ug/L	P408891	
		Nickel	0.50	U	ug/L	P408891	
		Selenium	0.20	U	ug/L	P408891	
		Silver	0.010	U	ug/L	P408891	
		Thallium	0.10	U	ug/L	P408891	
		Hardness	13.7		mg/L	P408891	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Sample Location: Alligator Creek @ Hwy273

Collection Date/Time: 01/24/2022 12:15

Field ID: G3TLHR0045

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301296	DEP SOP: NU-094-1	Color (true)**	70		PCU	P408921	
	EPA 180.1 Rev. 2.0	Turbidity	7.7		NTU	P408926	
	EPA 300.0 Rev. 2.1	Chloride	5.8		mg Cl/L	P409286	
		Sulfate	0.68		mg SO4/L	P409289	
	SM 2320 B-2011	Total Alkalinity	5.8		mg CaCO3/L	P409054	
	SM 2540 C-2011	TDS	51		mg/L	P409500	
	SM 2540 D-2011	TSS	3	I	mg/L	P409492	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P409057	
2301297	EPA 350.1 Rev. 2.0	Ammonia-N	0.01		mg N/L	P409352	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.47		mg N/L	P409137	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.16		mg N/L	P409061	
	EPA 365.1 Rev. 2.0	Total-P	0.029		mg P/L	P408939	
	SM 5310 B-2011	Organic Carbon	7.7		mg C/L	P409215	
2301298	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.01	I	mg P/L	P408918	
2301321	EPA 8321B	Aldicarb	0.020	UY	ug/L	P409047	
		Aldicarb Sulfone	0.0020	UY	ug/L	P409047	
		Aldicarb Sulfoxide	0.0020	UY	ug/L	P409047	
		Carbaryl	0.0020	UY	ug/L	P409047	
		Carbofuran	0.0020	UY	ug/L	P409047	
		3-Hydroxycarbofuran	0.0020	UY	ug/L	P409047	
		Methiocarb	0.0020	UY	ug/L	P409047	
		Methomyl	0.0020	UY	ug/L	P409047	
		Oxamyl	0.0020	UY	ug/L	P409047	
		Propoxur	0.0020	UY	ug/L	P409047	
		2,4-D	0.0020	U	ug/L	P408897	
		Acesulfame K	0.10	U	ug/L	P408915	
2301322		2,4,5-T	0.0040	U	ug/L	P408897	
		AMPA	0.10	U	ug/L	P408915	
		Acetaminophen	0.0080	U	ug/L	P408897	
		Acetamiprid	0.0020	U	ug/L	P408897	
		Endothall	0.25	U	ug/L	P408915	
		Glufosinate	0.10	U	ug/L	P408915	
		Glyphosate	0.10	U	ug/L	P408915	
		Afidopypropan	0.0020	U	ug/L	P408897	
		Bentazon	8.0E-04	U	ug/L	P408897	
		Sucralose	0.023	I	ug/L	P408915	
		Benzovindiflupyr	0.0020	U	ug/L	P408897	
		Carbamazepine	1.0E-03	I	ug/L	P408897	
		Clothianidin	0.0020	U	ug/L	P408897	
		Dinotefuran	0.0020	U	ug/L	P408897	
		Diuron	0.0020	U	ug/L	P408897	
		Fenuron	0.016	U	ug/L	P408897	
		Fluridone	8.0E-04	U	ug/L	P408897	

Field ID: G3TLHR0045

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301322	EPA 8321B	Imazapyr	0.048		ug/L	P408897	MS
		Hydrocodone	0.0020	U	ug/L	P408897	
		Ibuprofen	0.020	U	ug/L	P408897	
		Imidacloprid	0.0031	I	ug/L	P408897	MS
		Linuron	0.0040	U	ug/L	P408897	
		Mandestrobin	0.0020	U	ug/L	P408897	
		MCP	0.0020	U	ug/L	P408897	
		Naproxen	0.0080	U	ug/L	P408897	
		Primidone	0.0040	U	ug/L	P408897	
		Pyraclostrobin	0.0020	U	ug/L	P408897	
		Silvex	0.0040	U	ug/L	P408897	
		Thiamethoxam	0.0020	U	ug/L	P408897	
		Tolfenpyrad	0.0020	U	ug/L	P408897	
		Triclopyr	0.0040	U	ug/L	P408897	
2301325	EPA 8270E	Aldrin	0.69	U	ng/L	P408985	RPD
		Alpha-BHC	0.11	U	ng/L	P408985	MS, RPD
		Alpha-Chlordane	0.21	U	ng/L	P408985	MS, RPD
		Beta-BHC	0.11	U	ng/L	P408985	
		Beta-Cyfluthrin**	1.3	U	ng/L	P408985	RPD
		Bifenthrin**	0.53	U	ng/L	P408985	RPD
		Chlorothalonil	1.3	U	ng/L	P408985	RPD
		Cis-Nonachlor**	0.21	U	ng/L	P408985	
		Cypermethrin	1.6	U	ng/L	P408985	RPD
		Dacthal**	0.16	U	ng/L	P408985	MS, RPD
		DDD-p,p'	0.26	U	ng/L	P408985	RPD
		DDE-p,p'	0.21	U	ng/L	P408985	RPD
		DDT-p,p'	0.26	U	ng/L	P408985	MS, RPD
		Delta-BHC	0.42	U	ng/L	P408985	RPD
		Deltamethrin**	1.3	U	ng/L	P408985	
		Dichlobenil**	0.26	U	ng/L	P408985	RPD
		Dicofol	1.3	U	ng/L	P408985	RPD
		Dieldrin	0.42	U	ng/L	P408985	RPD
		Endosulfan I	0.42	U	ng/L	P408985	MS, RPD
		Endosulfan II	0.42	U	ng/L	P408985	RPD
		Endosulfan Sulfate	0.32	U	ng/L	P408985	
		Endrin	0.42	U	ng/L	P408985	
		Endrin Aldehyde	0.79	U	ng/L	P408985	
		Endrin Ketone	0.42	U	ng/L	P408985	RPD
		Esfenvalerate**	0.79	U	ng/L	P408985	
		Ethalfuralin**	0.16	U	ng/L	P408985	MS, RPD
		Fenpropathrin**	0.26	U	ng/L	P408985	RPD
		Gamma-BHC	0.13	U	ng/L	P408985	RPD
		Gamma-Chlordane	0.21	U	ng/L	P408985	MS, RPD
		Heptachlor	0.21	U	ng/L	P408985	MS, RPD
		Heptachlor Epoxide	0.26	U	ng/L	P408985	RPD

Field ID: G3TLHR0045

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301325	EPA 8270E	Hexachlorobenzene	1.1	U	ng/L	P408985	MS, RPD
		Kepone**	5.3	U	ng/L	P408985	
		Lambda-Cyhalothrin**	0.79	U	ng/L	P408985	
		Methoprene**	0.79	U	ng/L	P408985	RPD
		Methoxychlor	0.32	U	ng/L	P408985	
		MGK-264**	0.21	U	ng/L	P408985	
		Mirex	0.74	U	ng/L	P408985	RPD
		Oxychlordane**	0.32	U	ng/L	P408985	RPD
		Permethrin	1.7	U	ng/L	P408985	RPD
		Phenothrin**	0.95	U	ng/L	P408985	RPD
		Piperonyl Butoxide**	0.16	U	ng/L	P408985	
		Prallethrin**	2.1	U	ng/L	P408985	RPD
		Tau-Fluvalinate**	0.26	U	ng/L	P408985	RPD
		Tetramethrin**	0.79	U	ng/L	P408985	RPD
		Trans-Nonachlor**	0.21	U	ng/L	P408985	MS, RPD
		Triclosan Methyl**	0.16	U	ng/L	P408985	MS, RPD
		Trifluralin	0.21	U	ng/L	P408985	MS, RPD
		Chlordane	2.6	U	ng/L	P408985	
		Toxaphene	16	U	ng/L	P408985	
	EPA 8276						
2301326	EPA 8270E	Acetochlor	0.25	U	ng/L	P409108	
		Alachlor	0.25	U	ng/L	P409108	
		Ametryn	0.59	U	ng/L	P409108	
		Atrazine	0.78	I	ng/L	P409108	
		Atrazine Desethyl	1.5	U	ng/L	P409108	
		Azinphos Methyl	2.0	U	ng/L	P409108	
		Azoxystrobin**	1.2	I	ng/L	P409108	
		Bromacil	0.49	U	ng/L	P409108	
		Butylate	0.39	U	ng/L	P409108	
		Caffeine**	7.4	U	ng/L	P409108	
		Carbophenothion	0.20	U	ng/L	P409108	
		Carfentrazone Ethyl**	0.099	U	ng/L	P409108	
		Chlorfenapyr**	0.17	U	ng/L	P409108	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P409108	
		Chlorpyrifos Methyl	0.049	U	ng/L	P409108	
		Coumaphos**	0.49	U	ng/L	P409108	
		Cyanazine	3.2	U	ng/L	P409108	
		Cyprodinil**	0.099	U	ng/L	P409108	
		Demeton	1.5	U	ng/L	P409108	
		Diazinon	0.12	U	ng/L	P409108	
		Difenoconazole**	0.59	U	ng/L	P409108	
		Dimethenamid**	0.099	U	ng/L	P409108	
		Dimethomorph**	0.17	U	ng/L	P409108	
		Disulfoton	0.49	U	ng/L	P409108	
		Dithiopyr**	0.17	U	ng/L	P409108	
		EPTC	1.2	U	ng/L	P409108	

Field ID: G3TLHR0045

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301326	EPA 8270E	Ethion	0.15	U	ng/L	P409108	
		Ethoprop	0.099	U	ng/L	P409108	
		Etridiazole**	0.15	U	ng/L	P409108	
		Fenamiphos	0.49	U	ng/L	P409108	
		Fenbuconazole**	0.12	U	ng/L	P409108	
		Fipronil	0.25	U	ng/L	P409108	
		Fipronil Desulfinyll**	0.12	U	ng/L	P409108	
		Fipronil Sulfide	0.15	U	ng/L	P409108	
		Fipronil Sulfone	0.15	U	ng/L	P409108	
		Fluazifop-P-butyl**	0.099	U	ng/L	P409108	
		Fludioxonil**	0.12	U	ng/L	P409108	
		Flumioxazin**	1.7	U	ng/L	P409108	
		Flutolanil**	4.8		ng/L	P409108	
		Fluxapyroxad**	1.6		ng/L	P409108	
		Fonofos	0.20	U	ng/L	P409108	
		Hexazinone	1.7	I	ng/L	P409108	
		Imazalil**	0.74	U	ng/L	P409108	
		Iprodione**	0.59	U	ng/L	P409108	
		Loratadine**	0.099	U	ng/L	P409108	
		Malathion	0.34	U	ng/L	P409108	
		Metalaxyl	0.74	U	ng/L	P409108	
		Metolachlor	2.7		ng/L	P409108	
		Metribuzin	2.5	U	ng/L	P409108	
		Mevinphos	1.0	U	ng/L	P409108	
		Molinate	0.30	U	ng/L	P409108	
		Myclobutanil**	0.25	U	ng/L	P409108	
		Naled**	1.5	UJ	ng/L	P409108	LCS, MS
		Napropamide**	0.39	U	ng/L	P409108	
		Norflurazon	0.49	U	ng/L	P409108	
		Oxadiazon	0.30	U	ng/L	P409108	
		Oxyfluorfen**	0.15	U	ng/L	P409108	
		Parathion Ethyl	0.25	U	ng/L	P409108	
		Parathion Methyl	0.54	U	ng/L	P409108	
		Pendimethalin	0.99	U	ng/L	P409108	
		Phenytol**	3.4	U	ng/L	P409108	
		Phorate	0.52	U	ng/L	P409108	
		Prodiamine**	0.17	U	ng/L	P409108	
		Prometon	0.89	UJ	ng/L	P409108	RPD
		Prometryn	0.20	U	ng/L	P409108	
		Pronamide**	0.15	U	ng/L	P409108	
		Propanil**	0.12	U	ng/L	P409108	
		Propargite**	1.5	U	ng/L	P409108	
		Propiconazole**	0.49	U	ng/L	P409108	
		Pyraflufen Ethyl**	0.25	U	ng/L	P409108	
		Pyridaben**	0.44	U	ng/L	P409108	

Field ID: G3TLHR0045

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301326	EPA 8270E	Pyriproxyfen**	0.12	U	ng/L	P409108	
		Simazine	0.49	U	ng/L	P409108	
		Stirophos**	0.12	U	ng/L	P409108	
		Sulfentrazone**	0.49	U	ng/L	P409108	
		Tebuconazole**	3.0		ng/L	P409108	
		Terbufos	0.099	U	ng/L	P409108	
		Terbuthylazine	0.42	U	ng/L	P409108	
		Thiobencarb**	0.59	U	ng/L	P409108	
		Triadimefon**	0.25	U	ng/L	P409108	
2301330	EPA 200.7 Rev. 4.4	Barium	10.9		ug/L	P408891	
		Calcium	3.49		mg/L	P408891	
		Iron	690		ug/L	P408891	
		Magnesium	1.23		mg/L	P408891	
		Manganese	26.7		ug/L	P408891	
		Potassium	1.5		mg/L	P408891	
		Sodium	1.8	I	mg/L	P408891	
		Strontium	8.0		ug/L	P408891	
		Tin	3.0	U	ug/L	P408891	
		Titanium	3.2		ug/L	P408891	
		Vanadium	2.0	U	ug/L	P408891	
		Zinc	5.0	U	ug/L	P408891	
	EPA 200.8 Rev. 5.4	Aluminum	362		ug/L	P408891	
		Antimony	0.050	U	ug/L	P408891	
		Arsenic	0.26		ug/L	P408891	
		Beryllium	0.015	I	ug/L	P408891	
		Boron**	9.2		ug/L	P408891	
		Cadmium	0.020	U	ug/L	P408891	
		Chromium	0.45	I	ug/L	P408891	
		Cobalt	0.089		ug/L	P408891	
		Copper	0.40	U	ug/L	P408891	
		Lead	0.36	I	ug/L	P408891	
		Molybdenum	0.15	U	ug/L	P408891	
		Nickel	0.50	U	ug/L	P408891	
		Selenium	0.20	U	ug/L	P408891	
		Silver	0.010	U	ug/L	P408891	
		Thallium	0.10	U	ug/L	P408891	
	SM 2340B	Hardness	13.8		mg/L	P408891	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

EPA 8321B: Y - Sample was received with inadequate sample preservation; see NCR report.

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

Sample Location: Camp Branch @ CR173

Collection Date/Time: 01/24/2022 12:55

Field ID: G3TLHR0004

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2301337	DEP SOP: NU-094-1	Color (true)**	79		PCU	P408922	
	EPA 180.1 Rev. 2.0	Turbidity	11		NTU	P408926	
	EPA 300.0 Rev. 2.1	Chloride	4.8		mg Cl/L	P409286	
		Sulfate	2.5		mg SO4/L	P409289	
	SM 2320 B-2011	Total Alkalinity	21		mg CaCO3/L	P409054	
	SM 2540 C-2011	TDS	62		mg/L	P409500	
	SM 2540 D-2011	TSS	3	I	mg/L	P409492	
	SM 4500 F-C-2011	Fluoride	0.035	U	mg F/L	P409057	
2301338	EPA 350.1 Rev. 2.0	Ammonia-N	0.054		mg N/L	P409352	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.75		mg N/L	P409137	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.12		mg N/L	P409061	
	EPA 365.1 Rev. 2.0	Total-P	0.15		mg P/L	P408939	
	SM 5310 B-2011	Organic Carbon	7.8		mg C/L	P409215	
2301339	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.018		mg P/L	P408919	

Ref. Method and Comment:

SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

Non-Conformance Report

NCR ID: 9229

Event(s)

TLH-ROC-2022-01-24-02

Job(s)

TLH-2022-01-24-20

Sample(s)

2301321

Test(s)

NCR Type: SHIPPING/RECEIVING

NCR Category: Preservation Not Intact

Observation: Sample not preserved with MCAA Buffer Solution.

Resolution: Sample preserved in the laboratory with MCAA Buffer Solution on 1/24/2022 at 16:45. Customer contacted.

MCAA Lot# 118437 Exp:12/20/2022.

Authorized by/Date: Kerry Tate, Ph.D. 2/3/2022

The Non-Conformance Report details exceptions or problems encountered with the events/jobs/samples/test.
Please address questions to:

Chemistry	Colin Wright	(850) 245-8085
Biology	Cheryl Swanson	(850) 245-8177

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P408921

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: DEP SOP: NU-094-1
Batch ID: P408922

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P408925

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P408926

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P408891

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
Manganese	1.0	U	ug/L
Potassium	0.30	U	mg/L
Sodium	0.50	U	mg/L
Strontium	2.0	U	ug/L
Tin	3.0	U	ug/L
Titanium	0.75	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P408891

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Beryllium	0.010	U	ug/L
Boron	2.0	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.40	U	ug/L
Cobalt	0.020	U	ug/L
Copper	0.40	U	ug/L
Lead	0.20	U	ug/L
Molybdenum	0.15	U	ug/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P408891

Component	Result	Code	Units
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: P409286

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P409289

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P409352

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409136

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409137

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409060

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409061

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P408931

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

Batch ID: P408939

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P408918

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P408919

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

Reference Method: EPA 8270E

Batch ID: P408985

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P408985

Component	Result	Code	Units
Dieldrin	0.40	U	ng/L
Dieldrin	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan I	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan II	0.40	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endosulfan Sulfate	0.30	U	ng/L
Endrin	0.40	U	ng/L
Endrin	0.40	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Aldehyde	0.75	U	ng/L
Endrin Ketone	0.40	U	ng/L
Endrin Ketone	0.40	U	ng/L
Esfenvalerate	0.75	U	ng/L
Esfenvalerate	0.75	U	ng/L
Ethalfuralin	0.15	U	ng/L
Ethalfuralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	5.0	U	ng/L
Kepone	5.0	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoprene	0.75	U	ng/L
Methoxychlor	0.30	U	ng/L
Methoxychlor	0.30	U	ng/L
MGK-264	0.20	U	ng/L
MGK-264	0.20	U	ng/L
Mirex	0.70	U	ng/L
Mirex	0.70	U	ng/L
Oxychlordane	0.30	U	ng/L
Oxychlordane	0.30	U	ng/L
Permethrin	1.6	U	ng/L
Permethrin	1.6	U	ng/L
Phenothrin	0.90	U	ng/L
Phenothrin	0.90	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Piperonyl Butoxide	0.15	U	ng/L
Prallethrin	2.0	U	ng/L
Prallethrin	2.0	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P408985

Component	Result	Code	Units
Tau-Fluvalinate	0.25	U	ng/L
Tau-Fluvalinate	0.25	U	ng/L
Tetramethrin	0.75	U	ng/L
Tetramethrin	0.75	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Trans-Nonachlor	0.20	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Triclosan Methyl	0.15	U	ng/L
Trifluralin	0.20	U	ng/L
Trifluralin	0.20	U	ng/L

Reference Method: EPA 8270E

Batch ID: P409108

Component	Result	Code	Units
Acetochlor	0.25	U	ng/L
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Demeton	1.5	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P409108

Component	Result	Code	Units
Demeton	1.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.18	U	ng/L
Dithiopyr	0.18	U	ng/L
EPTC	1.2	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Ethoprop	0.10	U	ng/L
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.12	U	ng/L
Fludioxonil	0.12	U	ng/L
Flumioxazin	1.8	U	ng/L
Flumioxazin	1.8	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fonofos	0.20	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.75	U	ng/L
Imazalil	0.75	U	ng/L
Iprodione	0.60	U	ng/L
Iprodione	0.60	U	ng/L
Loratadine	0.10	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P409108

Component	Result	Code	Units
Loratadine	0.10	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.75	U	ng/L
Metalaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	2.5	U	ng/L
Metribuzin	2.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.30	U	ng/L
Molinate	0.30	U	ng/L
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Napropamide	0.40	U	ng/L
Napropamide	0.40	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.55	U	ng/L
Parathion Methyl	0.55	U	ng/L
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytol	3.5	U	ng/L
Phenytol	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiamine	0.18	U	ng/L
Prodiamine	0.18	U	ng/L
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Prometryn	0.20	U	ng/L
Pronamide	0.15	U	ng/L
Pronamide	0.15	U	ng/L
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P409108

Component	Result	Code	Units
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbuthylazine	0.42	U	ng/L
Terbuthylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: EPA 8276

Batch ID: P408985

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

Reference Method: EPA 8321B

Batch ID: P408897

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.016	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
Mandestrobin	0.0020	U	ug/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B

Batch ID: P408897

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

Reference Method: EPA 8321B

Batch ID: P408915

Component	Result	Code	Units
Acesulfame K	0.10	U	ug/L
AMPA	0.10	U	ug/L
Endothall	0.25	U	ug/L
Glufosinate	0.10	U	ug/L
Glyphosate	0.10	U	ug/L
Sucralose	0.010	U	ug/L

Reference Method: EPA 8321B

Batch ID: P409047

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

Reference Method: SM 2320 B-2011

Batch ID: P409054

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

Reference Method: SM 2540 C-2011

Batch ID: P409499

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2011

Batch ID: P409500

Component	Result	Code	Units
TDS	15	U	mg/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 2540 D-2011
Batch ID: P409491

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2011
Batch ID: P409492

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500 F-C-2011
Batch ID: P409057

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P409215

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

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P408921

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.5		P	85 - 115

Reference Method: DEP SOP: NU-094-1
Batch ID: P408922

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.7		P	85 - 115

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P408891

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Barium	102		P	85 - 115
Calcium	102		P	85 - 115
Iron	111		P	85 - 115
Magnesium	103		P	85 - 115
Manganese	104		P	85 - 115
Potassium	105		P	85 - 115
Sodium	101		P	85 - 115
Strontium	102		P	85 - 115
Tin	103		P	85 - 115
Titanium	104		P	85 - 115
Vanadium	103		P	85 - 115
Zinc	98.2		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P408891

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	101		P	85 - 115
Antimony	101		P	85 - 115
Arsenic	101		P	85 - 115
Beryllium	98.6		P	85 - 115
Boron	99.9		P	85 - 115
Cadmium	100		P	85 - 115
Chromium	99.2		P	85 - 115
Cobalt	101		P	85 - 115
Copper	99.0		P	85 - 115
Lead	98.3		P	85 - 115
Molybdenum	101		P	85 - 115
Nickel	100		P	85 - 115
Selenium	99.9		P	85 - 115
Silver	101		P	85 - 115
Thallium	105		P	85 - 115

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P409286

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chloride	99.3		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P409289

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P409352

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	99.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409136

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	107		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409137

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409060

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409061

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P408931

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P408939

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P408918

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
O-Phosphate-P	99.1		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P408919

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

Reference Method: EPA 8270E
Batch ID: P408985

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	66.0		P	10 - 93.0
Alpha-BHC	96.5		P	75 - 106
Alpha-Chlordane	90.4		P	50 - 109
Beta-BHC	109		P	65 - 135
Beta-Cyfluthrin	112		P	23 - 167
Bifenthrin	92.6		P	11 - 123
Chlorothalonil	113		P	26 - 182
Cis-Nonachlor	90.6		P	40 - 111
Cypermethrin	86.7		P	25 - 155
Dacthal	95.8		P	73 - 112
DDD-p,p'	90.3		P	47 - 108
DDE-p,p'	89.0		P	48 - 107
DDT-p,p'	88.4		P	49 - 111
Delta-BHC	112		P	68 - 143
Deltamethrin	132		P	16 - 176
Dichlobenil	85.9		P	32 - 113
Dicofol	83.4		P	50 - 108
Dieldrin	91.3		P	56 - 110
Endosulfan I	90.6		P	60 - 105
Endosulfan II	88.1		P	50 - 120
Endosulfan Sulfate	91.6		P	55 - 121
Endrin	89.2		P	35 - 117
Endrin Aldehyde	91.3		P	36 - 116
Endrin Ketone	101		P	56 - 130
Esfenvalerate	109		P	10 - 179
Ethalfuralin	87.6		P	49 - 99.0
Fenpropathrin	101		P	35 - 119
Gamma-BHC	87.0		P	72 - 115
Gamma-Chlordane	85.9		P	45 - 107
Heptachlor	80.1		P	41 - 100
Heptachlor Epoxide	90.7		P	58 - 106
Hexachlorobenzene	86.5		P	39 - 100
Kepone	156		P	10 - 191
Lambda-Cyhalothrin	111		P	10 - 186
Methoprene	76.6		P	10 - 129
Methoxychlor	103		P	61 - 111
MGK-264	86.9		P	20 - 123
Mirex	74.4		P	10 - 182
Oxychlordane	87.6		P	39 - 110
Permethrin	112		P	26 - 152
Phenothrin	87.5		P	10 - 109
Piperonyl Butoxide	103		P	27 - 142
Prallethrin	71.1		P	14 - 109
Tau-Fluvalinate	101		P	16 - 134
Tetramethrin	80.3		P	10 - 125
Trans-Nonachlor	85.2		P	45 - 107

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P408985

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Triclosan Methyl	92.0		P	60 - 110
Trifluralin	85.4		P	49 - 98.0

Reference Method: EPA 8270E
Batch ID: P409108

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	114		P	70 - 121
Alachlor	103		P	68 - 119
Ametryn	112		P	64 - 139
Atrazine	106		P	76 - 120
Atrazine Desethyl	86.6		P	44 - 126
Azinphos Methyl	72.2		P	43 - 192
Azoxystrobin	109		P	36 - 224
Bromacil	109		P	52 - 121
Butylate	66.8		P	28 - 91.0
Caffeine	85.8		P	50 - 134
Carbophenothion	111		P	56 - 129
Carfentrazone Ethyl	125		P	60 - 141
Chlorfenapyr	103		P	56 - 115
Chlorpyrifos Ethyl	113		P	60 - 118
Chlorpyrifos Methyl	110		P	68 - 119
Coumaphos	171		P	18 - 250
Cyanazine	133		P	61 - 250
Cyprodinil	140		P	55 - 145
Demeton	96.8		P	30 - 159
Diazinon	106		P	70 - 123
Difenoconazole	108		P	49 - 204
Dimethenamid	91.0		P	64 - 115
Dimethomorph	111		P	12 - 219
Disulfoton	89.0		P	44 - 125
Dithiopyr	104		P	64 - 115
EPTC	61.1		P	28 - 86.0
Ethion	103		P	33 - 125
Ethoprop	85.4		P	64 - 116
Etridiazole	69.1		P	34 - 91.0
Fenamiphos	126		P	12 - 127
Fenbuconazole	145		P	59 - 151
Fipronil	110		P	67 - 129
Fipronil Desulfinyl	111		P	65 - 127
Fipronil Sulfide	95.7		P	61 - 116
Fipronil Sulfone	105		P	55 - 117
Fluazifop-P-butyl	97.3		P	62 - 127
Fludioxonil	111		P	62 - 128
Flumioxazin	248		P	33 - 250
Flutolanil	104		P	56 - 127
Fluxapyroxad	127		P	45 - 128
Fonofos	85.7		P	62 - 111
Hexazinone	114		P	46 - 139
Imazalil	88.8		P	38 - 142
Iprodione	70.6		P	47 - 135
Loratadine	87.4		P	10 - 244

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P409108

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Malathion	128		P	61 - 139
Metalaxyl	99.7		P	10 - 119
Metolachlor	111		P	65 - 118
Metribuzin	111		P	51 - 250
Mevinphos	89.0		P	53 - 121
Molinate	76.1		P	42 - 96.0
Myclobutanil	109		P	55 - 128
Naled	119		F	10 - 98.0
Napropamide	103		P	49 - 121
Norflurazon	119		P	61 - 126
Oxadiazon	92.9		P	59 - 116
Oxyfluorfen	117		P	64 - 137
Parathion Ethyl	106		P	70 - 112
Parathion Methyl	120		P	76 - 133
Pendimethalin	79.5		P	52 - 117
Phenytoin	113		P	10 - 199
Phorate	98.5		P	48 - 121
Prodiamine	98.2		P	26 - 142
Prometon	105		P	43 - 123
Prometryn	94.7		P	66 - 127
Pronamide	121		P	75 - 121
Propanil	118		P	45 - 150
Propargite	163		P	42 - 208
Propiconazole	99.8		P	60 - 125
Pyraflufen Ethyl	124		P	70 - 138
Pyridaben	159		P	35 - 245
Pyriproxyfen	61.7		P	30 - 149
Simazine	123		P	72 - 125
Stirophos	84.7		P	29 - 164
Sulfentrazone	136		P	21 - 139
Tebuconazole	78.7		P	10 - 115
Terbufos	102		P	60 - 123
Terbutylazine	101		P	72 - 115
Thiobencarb	112		P	31 - 139
Triadimefon	98.3		P	65 - 116

Reference Method: EPA 8276

Batch ID: P408985

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	81.7		P	61 - 118
Toxaphene	76.4		P	51 - 122

Reference Method: EPA 8321B

Batch ID: P408897

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	94.2		P	30 - 160
2,4,5-T	92.0		P	30 - 160
Acetaminophen	61.6		P	30 - 160
Acetamiprid	95.6		P	30 - 160
Afidopyropen	78.2		P	30 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B

Batch ID: P408897

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Bentazon	92.9		P	30 - 160
Benzovindiflupyr	96.4		P	30 - 160
Carbamazepine	99.8		P	30 - 160
Clothianidin	103		P	30 - 160
Dinotefuran	105		P	30 - 160
Diuron	98.6		P	30 - 160
Fenuron	106		P	30 - 160
Fluridone	113		P	30 - 160
Hydrocodone	98.6		P	30 - 160
Ibuprofen	92.1		P	30 - 160
Imazapyr	110		P	30 - 160
Imidacloprid	95.7		P	30 - 160
Linuron	82.7		P	30 - 160
Mandestrobin	98.6		P	30 - 160
MCPP	120		P	30 - 160
Naproxen	114		P	30 - 160
Primidone	95.9		P	30 - 160
Pyraclostrobin	89.7		P	30 - 160
Silvex	70.5		P	30 - 160
Thiamethoxam	101		P	30 - 160
Tolfenpyrad	44.8		P	30 - 160
Triclopyr	90.4		P	30 - 160

Reference Method: EPA 8321B

Batch ID: P408915

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	88.1		P	40 - 150
AMPA	95.1		P	40 - 150
Endothall	106		P	40 - 150
Glufosinate	95.1		P	40 - 150
Glyphosate	93.4		P	40 - 150
Sucralose	106		P	40 - 150

Reference Method: EPA 8321B

Batch ID: P409047

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	79.7		P	30 - 160
Aldicarb	45.1		P	30 - 160
Aldicarb Sulfone	93.7		P	30 - 160
Aldicarb Sulfoxide	90.8		P	30 - 160
Carbaryl	81.3		P	30 - 160
Carbofuran	86.3		P	30 - 160
Methiocarb	70.4		P	30 - 160
Methomyl	88.6		P	30 - 160
Oxamyl	95.6		P	30 - 160
Propoxur	78.6		P	30 - 160

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P409054

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	101		P	94 - 106

Reference Method: SM 4500 F-C-2011
Batch ID: P409057

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.3		P	93 - 104

Reference Method: SM 5310 B-2011
Batch ID: P409215

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	96.3		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4

Batch ID: P408891

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301004	Barium	97.4	99.6	P/P	80 - 120
2301004	Calcium	98.6		P	80 - 120
2301004	Iron	108	109	P/P	80 - 120
2301004	Magnesium	101		P	80 - 120
2301004	Manganese	100	103	P/P	80 - 120
2301004	Potassium	100	101	P/P	80 - 120
2301004	Sodium	99.7		P	80 - 120
2301004	Strontium	99.4	101	P/P	80 - 120
2301004	Tin	99.5	99.8	P/P	80 - 120
2301004	Titanium	101	104	P/P	80 - 120
2301004	Vanadium	102	104	P/P	80 - 120
2301004	Zinc	96.7	98.5	P/P	80 - 120
2301328	Barium	107		P	80 - 120
2301328	Calcium	107		P	80 - 120
2301328	Iron	112		P	80 - 120
2301328	Magnesium	111		P	80 - 120
2301328	Manganese	109		P	80 - 120
2301328	Potassium	103		P	80 - 120
2301328	Sodium	106		P	80 - 120
2301328	Strontium	105		P	80 - 120
2301328	Tin	106		P	80 - 120
2301328	Titanium	111		P	80 - 120
2301328	Vanadium	109		P	80 - 120
2301328	Zinc	105		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P408891

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301004	Aluminum	98.2	97.5	P/P	80 - 120
2301004	Antimony	105	103	P/P	80 - 120
2301004	Arsenic	101	99.8	P/P	80 - 120
2301004	Beryllium	93.6	94.6	P/P	80 - 120
2301004	Boron	102	101	P/P	80 - 120
2301004	Cadmium	103	103	P/P	80 - 120
2301004	Chromium	102	102	P/P	80 - 120
2301004	Cobalt	98.9	98.2	P/P	80 - 120
2301004	Copper	96.4	95.8	P/P	80 - 120
2301004	Lead	98.9	99.0	P/P	80 - 120
2301004	Molybdenum	104	102	P/P	80 - 120
2301004	Nickel	96.5	95.9	P/P	80 - 120
2301004	Selenium	98.1	98.6	P/P	80 - 120
2301004	Silver	99.1	98.8	P/P	80 - 120
2301004	Thallium	109	108	P/P	80 - 120
2301328	Aluminum	91.6		P	80 - 120
2301328	Antimony	95.4		P	80 - 120
2301328	Arsenic	96.4		P	80 - 120
2301328	Beryllium	91.1		P	80 - 120
2301328	Boron	96.8		P	80 - 120
2301328	Cadmium	94.6		P	80 - 120
2301328	Chromium	98.1		P	80 - 120
2301328	Cobalt	97.7		P	80 - 120

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P408891

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301328	Copper	98.3		P	80 - 120
2301328	Lead	94.7		P	80 - 120
2301328	Molybdenum	96.4		P	80 - 120
2301328	Nickel	98.4		P	80 - 120
2301328	Selenium	95.1		P	80 - 120
2301328	Silver	97.4		P	80 - 120
2301328	Thallium	104		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P409286

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301166	Chloride	96.4		P	90 - 110
2301288	Chloride	98.6		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P409289

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301166	Sulfate	94.7		P	90 - 110
2301288	Sulfate	97.2		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P409352

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301290	Ammonia-N	98.6	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409136

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301562	Kjeldahl Nitrogen	98.6	98.3	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P409137

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301258	Kjeldahl Nitrogen	106	107	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409060

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301169	NO2NO3-N	102	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P409061

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301291	NO2NO3-N	100	101	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P408931

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301290	Total-P	105	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P408939

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301297	Total-P	105	105	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P408918

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301250	O-Phosphate-P	96.9	97.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P408919

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301360	O-Phosphate-P	99.6	101	P/P	90 - 110

Reference Method: EPA 8270E

Batch ID: P408985

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301521	Aldrin	23.6	40.1	P/P	10 - 89.0
2301521	Alpha-BHC	60.7	81.9	F/P	71 - 105
2301521	Alpha-Chlordane	37.7	56.7	F/P	43 - 107
2301521	Beta-BHC	70.0	95.6	P/P	57 - 152
2301521	Beta-Cyfluthrin	48.5	75.1	P/P	29 - 186
2301521	Bifenthrin	36.7	62.5	P/P	19 - 119
2301521	Chlorothalonil	91.9	169	P/P	10 - 245
2301521	Cis-Nonachlor	44.2	54.7	P/P	36 - 110
2301521	Cypermethrin	47.1	70.5	P/P	24 - 169
2301521	Dacthal	53.6	73.7	F/P	62 - 115
2301521	DDD-p,p'	36.3	54.1	P/P	36 - 109
2301521	DDE-p,p'	32.7	48.2	P/P	30 - 114
2301521	DDT-p,p'	40.2	60.6	F/P	42 - 108
2301521	Delta-BHC	77.8	113	P/P	60 - 164
2301521	Deltamethrin	60.7	87.2	P/P	10 - 210
2301521	Dichlobenil	34.8	52.9	P/P	23 - 108
2301521	Dicofol	45.9	64.1	P/P	44 - 109
2301521	Dieldrin	40.2	58.7	P/P	37 - 119
2301521	Endosulfan I	43.1	62.4	F/P	52 - 105
2301521	Endosulfan II	38.8	54.6	P/P	35 - 127
2301521	Endosulfan Sulfate	52.6	69.3	P/P	39 - 130
2301521	Endrin	38.0	56.4	P/P	30 - 116
2301521	Endrin Aldehyde	32.2	50.5	P/P	20 - 110
2301521	Endrin Ketone	52.9	75.7	P/P	48 - 134
2301521	Esfenvalerate	53.3	77.5	P/P	10 - 199
2301521	Ethalfuralin	38.3	57.3	F/P	48 - 95.0
2301521	Fenpropathrin	39.6	54.6	P/P	37 - 121
2301521	Gamma-BHC	72.7	96.3	P/P	61 - 126

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P408985

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301521	Gamma-Chlordane	36.8	55.4	F/P	39 - 105
2301521	Heptachlor	31.3	50.7	F/P	38 - 96.0
2301521	Heptachlor Epoxide	46.1	64.1	P/P	42 - 114
2301521	Hexachlorobenzene	33.2	54.5	F/P	39 - 93.0
2301521	Kepone	81.8	103	P/P	10 - 215
2301521	Lambda-Cyhalothrin	53.5	90.1	P/P	10 - 204
2301521	Methoprene	29.0	51.3	P/P	17 - 108
2301521	Methoxychlor	58.6	78.4	P/P	56 - 115
2301521	MGK-264	48.4	69.3	P/P	35 - 120
2301521	Mirex	25.8	41.0	P/P	10 - 178
2301521	Oxychlordane	52.4	86.7	P/P	47 - 91.0
2301521	Permethrin	53.0	79.0	P/P	27 - 170
2301521	Phenothrin	38.7	68.7	P/P	10 - 133
2301521	Piperonyl Butoxide	57.4	87.3	P/P	23 - 150
2301521	Prallethrin	36.8	60.2	P/P	21 - 113
2301521	Tau-Fluvalinate	41.1	69.0	P/P	16 - 158
2301521	Tetramethrin	42.1	70.6	P/P	22 - 132
2301521	Trans-Nonachlor	37.0	54.6	F/P	43 - 102
2301521	Triclosan Methyl	37.8	51.5	F/P	49 - 109
2301521	Trifluralin	39.8	56.9	F/P	48 - 93.0

Reference Method: EPA 8270E

Batch ID: P409108

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301326	Acetochlor	106	107	P/P	65 - 124
2301326	Alachlor	96.4	98.2	P/P	61 - 121
2301326	Ametryn	152	138	P/P	52 - 216
2301326	Atrazine	102	99.3	P/P	68 - 133
2301326	Atrazine Desethyl	58.1	62.5	P/P	15 - 160
2301326	Azinphos Methyl	72.1	78.8	P/P	40 - 292
2301326	Azoxystrobin	98.6	105	P/P	12 - 242
2301326	Bromacil	101	99.7	P/P	54 - 167
2301326	Butylate	39.5	47.7	P/P	14 - 94.0
2301326	Caffeine	115	126	P/P	10 - 226
2301326	Carbophenothion	101	106	P/P	49 - 122
2301326	Carfentrazone Ethyl	121	118	P/P	53 - 138
2301326	Chlorfenapyr	85.7	91.5	P/P	50 - 150
2301326	Chlorpyrifos Ethyl	105	109	P/P	52 - 122
2301326	Chlorpyrifos Methyl	106	109	P/P	66 - 117
2301326	Coumaphos	185	200	P/P	50 - 220
2301326	Cyanazine	120	128	P/P	43 - 245
2301326	Cyprodinil	121	128	P/P	50 - 150
2301326	Demeton	86.5	97.8	P/P	43 - 188
2301326	Diazinon	104	103	P/P	69 - 131
2301326	Difenoconazole	84.6	86.6	P/P	34 - 231
2301326	Dimethenamid	99.1	98.2	P/P	55 - 118
2301326	Dimethomorph	102	102	P/P	50 - 150
2301326	Disulfoton	93.8	104	P/P	38 - 141
2301326	Dithiopyr	101	96.5	P/P	42 - 116
2301326	EPTC	31.3	37.2	P/P	18 - 85.0
2301326	Ethion	93.8	85.9	P/P	10 - 131

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P409108

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301326	Ethoprop	100	104	P/P	65 - 129
2301326	Etridiazole	52.0	56.1	P/P	50 - 150
2301326	Fenamiphos	89.1	80.6	P/P	31 - 137
2301326	Fenbuconazole	147	144	P/P	57 - 160
2301326	Fipronil	109	109	P/P	62 - 132
2301326	Fipronil Desulfinyl	106	101	P/P	57 - 131
2301326	Fipronil Sulfide	98.3	96.3	P/P	15 - 138
2301326	Fipronil Sulfone	101	100	P/P	21 - 134
2301326	Fluazifop-P-butyl	97.6	96.4	P/P	54 - 133
2301326	Fludioxonil	93.0	95.1	P/P	58 - 127
2301326	Flumioxazin	269	295	P/P	33 - 300
2301326	Fluxapyroxad	99.3	70.5	P/P	23 - 141
2301326	Fonofos	87.1	95.9	P/P	58 - 119
2301326	Hexazinone	106	106	P/P	68 - 172
2301326	Imazalil	104	89.3	P/P	48 - 283
2301326	Iprodione	61.7	60.6	P/P	38 - 140
2301326	Loratadine	75.7	76.6	P/P	50 - 150
2301326	Malathion	115	116	P/P	40 - 137
2301326	Metalaxyl	97.8	90.6	P/P	21 - 129
2301326	Metolachlor	102	98.6	P/P	55 - 122
2301326	Metribuzin	113	107	P/P	38 - 187
2301326	Mevinphos	99.9	108	P/P	54 - 134
2301326	Molinate	69.9	79.7	P/P	41 - 97.0
2301326	Myclobutanil	103	102	P/P	56 - 125
2301326	Naled	105	110	P/F	10 - 108
2301326	Napropamide	95.0	93.1	P/P	50 - 150
2301326	Norflurazon	122	116	P/P	32 - 122
2301326	Oxadiazon	83.8	80.1	P/P	40 - 119
2301326	Oxyfluorfen	126	121	P/P	61 - 153
2301326	Parathion Ethyl	92.2	97.1	P/P	59 - 130
2301326	Parathion Methyl	109	118	P/P	65 - 155
2301326	Pendimethalin	86.2	87.3	P/P	49 - 138
2301326	Phenytoin	114	108	P/P	50 - 200
2301326	Phorate	116	107	P/P	54 - 161
2301326	Prodiamine	129	126	P/P	33 - 161
2301326	Prometon	104	72.1	P/P	48 - 140
2301326	Prometryn	93.8	85.0	P/P	55 - 134
2301326	Pronamide	116	110	P/P	66 - 137
2301326	Propanil	112	115	P/P	50 - 150
2301326	Propargite	151	144	P/P	50 - 200
2301326	Propiconazole	131	128	P/P	36 - 150
2301326	Pyraflufen Ethyl	132	118	P/P	50 - 150
2301326	Pyridaben	174	194	P/P	50 - 200
2301326	Pyriproxyfen	55.1	47.2	P/P	10 - 165
2301326	Simazine	105	111	P/P	57 - 145
2301326	Stirophos	98.3	98.9	P/P	50 - 150
2301326	Sulfentrazone	103	89.4	P/P	34 - 140
2301326	Tebuconazole	75.1	46.2	P/P	10 - 127
2301326	Terbufos	118	121	P/P	59 - 138
2301326	Terbutylazine	99.0	94.1	P/P	68 - 119
2301326	Thiobencarb	102	105	P/P	50 - 150
2301326	Triadimefon	80.7	78.1	P/P	50 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8276

Batch ID: P408985

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2302073	Chlordane	64.4	56.9	P/P	55 - 128
2302073	Toxaphene	83.5	69.7	P/P	57 - 211

Reference Method: EPA 8321B

Batch ID: P408897

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2300987	2,4-D	128	140	P/P	30 - 160
2300987	2,4,5-T	107	135	P/P	30 - 160
2300987	Acetaminophen	85.7	85.5	P/P	30 - 160
2300987	Acetamiprid	114	100	P/P	30 - 160
2300987	Afidopyropen	78.6	65.4	P/P	30 - 160
2300987	Bentazon	78.4	76.1	P/P	30 - 160
2300987	Benzovindiflupyr	103	107	P/P	30 - 160
2300987	Carbamazepine	113	122	P/P	30 - 160
2300987	Clothianidin	140	147	P/P	30 - 160
2300987	Dinotefuran	131	135	P/P	30 - 160
2300987	Diuron	87.5	86.0	P/P	30 - 160
2300987	Fenuron	92.7	99.6	P/P	30 - 160
2300987	Fluridone	97.4	113	P/P	30 - 160
2300987	Hydrocodone	113	120	P/P	30 - 160
2300987	Ibuprofen	91.9	85.2	P/P	30 - 160
2300987	Imazapyr	198	202	F/F	30 - 160
2300987	Imidacloprid	182	188	F/F	30 - 160
2300987	Linuron	79.0	74.7	P/P	30 - 160
2300987	Mandestrobin	103	107	P/P	30 - 160
2300987	MCPP	145	147	P/P	30 - 160
2300987	Naproxen	87.4	114	P/P	30 - 160
2300987	Primidone	116	115	P/P	30 - 160
2300987	Pyraclostrobin	101	106	P/P	30 - 160
2300987	Silvex	89.1	110	P/P	30 - 160
2300987	Thiamethoxam	153	156	P/P	30 - 160
2300987	Tolfenpyrad	63.6	67.3	P/P	30 - 160
2300987	Triclopyr	114	138	P/P	30 - 160

Reference Method: EPA 8321B

Batch ID: P408915

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301274	Acesulfame K	86.4	91.4	P/P	40 - 150
2301274	AMPA	103	98.2	P/P	40 - 150
2301274	Endothall	130	129	P/P	40 - 150
2301274	Glufosinate	97.0	102	P/P	40 - 150
2301274	Glyphosate	92.5	91.4	P/P	40 - 150
2301274	Sucralose	77.1	84.4	P/P	40 - 150

Reference Method: EPA 8321B

Batch ID: P409047

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301321	3-Hydroxycarbofuran	106	86.7	P/P	30 - 160
2301321	Aldicarb	82.8	80.8	P/P	30 - 160

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B

Batch ID: P409047

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301321	Aldicarb Sulfone	116	119	P/P	30 - 160
2301321	Aldicarb Sulfoxide	46.1	60.2	P/P	30 - 160
2301321	Carbaryl	73.7	76.8	P/P	30 - 160
2301321	Carbofuran	81.2	87.0	P/P	30 - 160
2301321	Methiocarb	68.6	72.8	P/P	30 - 160
2301321	Methomyl	86.6	90.7	P/P	30 - 160
2301321	Oxamyl	94.1	108	P/P	30 - 160
2301321	Propoxur	81.9	91.9	P/P	30 - 160

Reference Method: SM 4500 F-C-2011

Batch ID: P409057

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301449	Fluoride	99.2	99.2	P/P	92 - 107

Reference Method: SM 5310 B-2011

Batch ID: P409215

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2301455	Organic Carbon	96.4	96.4	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P408921

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301287	Color (true)	1.01	Sample	P	0 - 20

Reference Method: DEP SOP: NU-094-1
Batch ID: P408922

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301354	Color (true)	0.403	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P408925

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301248	Turbidity	1.65	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P408926

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301355	Turbidity	3.38	Sample	P	0 - 20

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P408891

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301004	Barium	2.16	Spike	P	0 - 20
2301004	Calcium	0.824	Spike	P	0 - 20
2301004	Iron	0.613	Spike	P	0 - 20
2301004	Magnesium	0.190	Spike	P	0 - 20
2301004	Manganese	2.30	Spike	P	0 - 20
2301004	Potassium	0.320	Spike	P	0 - 20
2301004	Sodium	0.774	Spike	P	0 - 20
2301004	Strontium	0.996	Spike	P	0 - 20
2301004	Tin	0.272	Spike	P	0 - 20
2301004	Titanium	2.37	Spike	P	0 - 20
2301004	Vanadium	2.04	Spike	P	0 - 20
2301004	Zinc	1.90	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P408891

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301004	Aluminum	0.703	Spike	P	0 - 20
2301004	Antimony	1.50	Spike	P	0 - 20
2301004	Arsenic	1.01	Spike	P	0 - 20
2301004	Beryllium	1.06	Spike	P	0 - 20
2301004	Boron	0.590	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 200.8 Rev. 5.4

Batch ID: P408891

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301004	Cadmium	0.210	Spike	P	0 - 20
2301004	Chromium	0.288	Spike	P	0 - 20
2301004	Cobalt	0.735	Spike	P	0 - 20
2301004	Copper	0.664	Spike	P	0 - 20
2301004	Lead	0.0709	Spike	P	0 - 20
2301004	Molybdenum	1.06	Spike	P	0 - 20
2301004	Nickel	0.590	Spike	P	0 - 20
2301004	Selenium	0.427	Spike	P	0 - 20
2301004	Silver	0.233	Spike	P	0 - 20
2301004	Thallium	0.498	Spike	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P409286

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301166	Chloride	0.0827	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1

Batch ID: P409289

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301166	Sulfate	0.348	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0

Batch ID: P409352

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301290	Ammonia-N	2.26	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P409136

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301562	Kjeldahl Nitrogen	0.174	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P409137

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301258	Kjeldahl Nitrogen	0.624	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P409060

Replicated

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

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P409060

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301169	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P409061

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301291	NO2NO3-N	0.382	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P408931

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301290	Total-P	2.01	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P408939

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301297	Total-P	0.357	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P408918

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301250	O-Phosphate-P	0.932	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Batch ID: P408919

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301360	O-Phosphate-P	0.999	Spike	P	0 - 20

Reference Method: EPA 8270E

Batch ID: P408985

Replicated

Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301521	Aldrin	51.7	Spike	F	0 - 37
2301521	Alpha-BHC	29.7	Spike	F	0 - 16
2301521	Alpha-Chlordane	40.3	Spike	F	0 - 28
2301521	Beta-BHC	30.9	Spike	P	0 - 32
2301521	Beta-Cyfluthrin	43.1	Spike	F	0 - 41
2301521	Bifenthrin	51.9	Spike	F	0 - 36
2301521	Chlorothalonil	59.2	Spike	F	0 - 54
2301521	Cis-Nonachlor	21.2	Spike	P	0 - 33
2301521	Cypermethrin	39.7	Spike	F	0 - 38

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P408985

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301521	Dacthal	31.5	Spike	F	0 - 23
2301521	DDD-p,p'	39.3	Spike	F	0 - 35
2301521	DDE-p,p'	38.3	Spike	F	0 - 27
2301521	DDT-p,p'	40.4	Spike	F	0 - 31
2301521	Delta-BHC	37.1	Spike	F	0 - 30
2301521	Deltamethrin	35.9	Spike	P	0 - 76
2301521	Dichlobenil	41.1	Spike	F	0 - 33
2301521	Dicofol	33.0	Spike	F	0 - 24
2301521	Dieldrin	37.2	Spike	F	0 - 35
2301521	Endosulfan I	36.4	Spike	F	0 - 25
2301521	Endosulfan II	33.8	Spike	F	0 - 31
2301521	Endosulfan Sulfate	27.4	Spike	P	0 - 38
2301521	Endrin	39.0	Spike	P	0 - 53
2301521	Endrin Aldehyde	44.4	Spike	P	0 - 81
2301521	Endrin Ketone	35.4	Spike	F	0 - 33
2301521	Esfenvalerate	36.9	Spike	P	0 - 46
2301521	Ethalfuralin	39.8	Spike	F	0 - 22
2301521	Fenpropathrin	31.8	Spike	F	0 - 29
2301521	Gamma-BHC	27.9	Spike	F	0 - 17
2301521	Gamma-Chlordane	40.3	Spike	F	0 - 28
2301521	Heptachlor	47.3	Spike	F	0 - 28
2301521	Heptachlor Epoxide	32.7	Spike	F	0 - 23
2301521	Hexachlorobenzene	48.7	Spike	F	0 - 22
2301521	Kepone	23.3	Spike	P	0 - 61
2301521	Lambda-Cyhalothrin	51.0	Spike	P	0 - 52
2301521	Methoprene	55.6	Spike	F	0 - 38
2301521	Methoxychlor	28.9	Spike	P	0 - 29
2301521	MGK-264	35.4	Spike	P	0 - 41
2301521	Mirex	45.7	Spike	F	0 - 39
2301521	Oxychlordane	49.3	Spike	F	0 - 33
2301521	Permethrin	39.4	Spike	F	0 - 39
2301521	Phenothrin	55.8	Spike	F	0 - 52
2301521	Piperonyl Butoxide	41.3	Spike	P	0 - 91
2301521	Prallethrin	48.2	Spike	F	0 - 34
2301521	Tau-Fluvalinate	50.7	Spike	F	0 - 41
2301521	Tetramethrin	50.7	Spike	F	0 - 43
2301521	Trans-Nonachlor	38.6	Spike	F	0 - 31
2301521	Triclosan Methyl	30.8	Spike	F	0 - 24
2301521	Trifluralin	35.4	Spike	F	0 - 23

Reference Method: EPA 8270E

Batch ID: P409108

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301326	Acetochlor	0.610	Spike	P	0 - 27
2301326	Alachlor	1.81	Spike	P	0 - 27
2301326	Ametryn	9.74	Spike	P	0 - 34
2301326	Atrazine	2.28	Spike	P	0 - 41
2301326	Atrazine Desethyl	7.37	Spike	P	0 - 38
2301326	Azinphos Methyl	8.81	Spike	P	0 - 62

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P409108

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301326	Azoxystrobin	4.63	Spike	P	0 - 32
2301326	Bromacil	0.941	Spike	P	0 - 30
2301326	Butylate	18.8	Spike	P	0 - 59
2301326	Caffeine	9.40	Spike	P	0 - 60
2301326	Carbophenothion	5.19	Spike	P	0 - 25
2301326	Carfentrazone Ethyl	1.99	Spike	P	0 - 26
2301326	Chlorfenapyr	6.61	Spike	P	0 - 30
2301326	Chlorpyrifos Ethyl	3.36	Spike	P	0 - 27
2301326	Chlorpyrifos Methyl	2.68	Spike	P	0 - 26
2301326	Coumaphos	7.69	Spike	P	0 - 30
2301326	Cyanazine	6.37	Spike	P	0 - 58
2301326	Cyprodinil	4.93	Spike	P	0 - 30
2301326	Demeton	12.3	Spike	P	0 - 25
2301326	Diazinon	1.30	Spike	P	0 - 29
2301326	Difenoconazole	2.37	Spike	P	0 - 25
2301326	Dimethenamid	0.933	Spike	P	0 - 30
2301326	Dimethomorph	0.377	Spike	P	0 - 30
2301326	Disulfoton	10.2	Spike	P	0 - 33
2301326	Dithiopyr	4.75	Spike	P	0 - 22
2301326	EPTC	17.4	Spike	P	0 - 38
2301326	Ethion	8.77	Spike	P	0 - 79
2301326	Ethoprop	3.96	Spike	P	0 - 23
2301326	Etridiazole	7.49	Spike	P	0 - 30
2301326	Fenamiphos	10.0	Spike	P	0 - 58
2301326	Fenbuconazole	1.92	Spike	P	0 - 37
2301326	Fipronil	0.0491	Spike	P	0 - 33
2301326	Fipronil Desulfinyl	5.02	Spike	P	0 - 26
2301326	Fipronil Sulfide	2.00	Spike	P	0 - 37
2301326	Fipronil Sulfone	0.798	Spike	P	0 - 50
2301326	Fluazifop-P-butyl	1.19	Spike	P	0 - 24
2301326	Fludioxonil	2.29	Spike	P	0 - 26
2301326	Flumioxazin	9.19	Spike	P	0 - 37
2301326	Flutolanil	1.33	Spike	P	0 - 26
2301326	Fluxapyroxad	22.8	Spike	P	0 - 34
2301326	Fonofos	9.70	Spike	P	0 - 27
2301326	Hexazinone	0.171	Spike	P	0 - 36
2301326	Imazalil	15.4	Spike	P	0 - 65
2301326	Iprodione	1.75	Spike	P	0 - 33
2301326	Loratadine	1.15	Spike	P	0 - 30
2301326	Malathion	0.886	Spike	P	0 - 44
2301326	Metalaxyl	7.66	Spike	P	0 - 38
2301326	Metolachlor	2.58	Spike	P	0 - 36
2301326	Metribuzin	5.90	Spike	P	0 - 63
2301326	Mevinphos	8.21	Spike	P	0 - 26
2301326	Molinate	13.1	Spike	P	0 - 40
2301326	Myclobutanil	1.01	Spike	P	0 - 21
2301326	Naled	4.89	Spike	P	0 - 26
2301326	Napropamide	1.98	Spike	P	0 - 30
2301326	Norflurazon	4.46	Spike	P	0 - 24
2301326	Oxadiazon	4.62	Spike	P	0 - 27
2301326	Oxyfluorfen	4.15	Spike	P	0 - 24

Quality Assurance Report

Precision

Reference Method: EPA 8270E

Batch ID: P409108

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301326	Parathion Ethyl	5.16	Spike	P	0 - 28
2301326	Parathion Methyl	7.69	Spike	P	0 - 27
2301326	Pendimethalin	1.21	Spike	P	0 - 31
2301326	Phenytoin	5.16	Spike	P	0 - 30
2301326	Phorate	7.64	Spike	P	0 - 27
2301326	Prodiamine	2.78	Spike	P	0 - 52
2301326	Prometon	35.9	Spike	F	0 - 31
2301326	Prometryn	9.79	Spike	P	0 - 28
2301326	Pronamide	4.89	Spike	P	0 - 26
2301326	Propanil	2.58	Spike	P	0 - 30
2301326	Propargite	5.18	Spike	P	0 - 30
2301326	Propiconazole	2.40	Spike	P	0 - 31
2301326	Pyraflufen Ethyl	11.7	Spike	P	0 - 30
2301326	Pyridaben	11.3	Spike	P	0 - 30
2301326	Pyriproxyfen	14.5	Spike	P	0 - 50
2301326	Simazine	5.21	Spike	P	0 - 29
2301326	Stirophos	0.613	Spike	P	0 - 30
2301326	Sulfentrazone	14.5	Spike	P	0 - 33
2301326	Tebuconazole	33.5	Spike	P	0 - 44
2301326	Terbufos	2.59	Spike	P	0 - 29
2301326	Terbuthylazine	5.05	Spike	P	0 - 27
2301326	Thiobencarb	3.56	Spike	P	0 - 30
2301326	Triadimefon	3.26	Spike	P	0 - 30

Reference Method: EPA 8276

Batch ID: P408985

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2302073	Chlordane	12.3	Spike	P	0 - 25
2302073	Toxaphene	18.0	Spike	P	0 - 24

Reference Method: EPA 8321B

Batch ID: P408897

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2300987	2,4-D	8.72	Spike	P	0 - 30
2300987	2,4,5-T	22.8	Spike	P	0 - 30
2300987	Acetaminophen	0.257	Spike	P	0 - 30
2300987	Acetamiprid	13.2	Spike	P	0 - 30
2300987	Afidopyropen	18.3	Spike	P	0 - 30
2300987	Bentazon	2.93	Spike	P	0 - 30
2300987	Benzovindiflupyr	4.28	Spike	P	0 - 30
2300987	Carbamazepine	7.46	Spike	P	0 - 30
2300987	Clothianidin	4.69	Spike	P	0 - 30
2300987	Dinotefuran	3.31	Spike	P	0 - 30
2300987	Diuron	1.72	Spike	P	0 - 30
2300987	Fenuron	7.20	Spike	P	0 - 30
2300987	Fluridone	14.8	Spike	P	0 - 30
2300987	Hydrocodone	5.84	Spike	P	0 - 30

Quality Assurance Report

Precision

Reference Method: EPA 8321B

Batch ID: P408897

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2300987	Ibuprofen	7.57	Spike	P	0 - 30
2300987	Imazapyr	1.95	Spike	P	0 - 30
2300987	Imidacloprid	3.51	Spike	P	0 - 30
2300987	Linuron	5.60	Spike	P	0 - 30
2300987	Mandestrobin	3.74	Spike	P	0 - 30
2300987	MCCP	1.53	Spike	P	0 - 30
2300987	Naproxen	26.5	Spike	P	0 - 30
2300987	Primidone	1.31	Spike	P	0 - 30
2300987	Pyraclostrobin	5.17	Spike	P	0 - 30
2300987	Silvex	21.4	Spike	P	0 - 30
2300987	Thiamethoxam	1.98	Spike	P	0 - 30
2300987	Tolfenpyrad	5.77	Spike	P	0 - 30
2300987	Triclopyr	18.8	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P408915

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301274	Acesulfame K	5.66	Spike	P	0 - 30
2301274	AMPA	4.68	Spike	P	0 - 30
2301274	Endothall	0.314	Spike	P	0 - 30
2301274	Glufosinate	4.76	Spike	P	0 - 30
2301274	Glyphosate	1.11	Spike	P	0 - 30
2301274	Sucralose	8.99	Spike	P	0 - 30

Reference Method: EPA 8321B

Batch ID: P409047

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301321	3-Hydroxycarbofuran	20.0	Spike	P	0 - 30
2301321	Aldicarb	2.42	Spike	P	0 - 30
2301321	Aldicarb Sulfone	2.04	Spike	P	0 - 30
2301321	Aldicarb Sulfoxide	26.5	Spike	P	0 - 30
2301321	Carbaryl	4.15	Spike	P	0 - 30
2301321	Carbofuran	6.98	Spike	P	0 - 30
2301321	Methiocarb	5.84	Spike	P	0 - 30
2301321	Methomyl	4.63	Spike	P	0 - 30
2301321	Oxamyl	13.4	Spike	P	0 - 30
2301321	Propoxur	11.5	Spike	P	0 - 30

Reference Method: SM 2320 B-2011

Batch ID: P409054

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301449	Total Alkalinity	0.123	Sample	P	0 - 5.2

Quality Assurance Report Precision

Reference Method: SM 2540 C-2011
Batch ID: P409499

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301248	TDS	2.96	Sample	P	0 - 10

Reference Method: SM 2540 C-2011
Batch ID: P409500

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301299	TDS	5.45	Sample	P	0 - 10

Reference Method: SM 4500 F-C-2011
Batch ID: P409057

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301449	Fluoride	0.0	Spike	P	0 - 2.1

Reference Method: SM 5310 B-2011
Batch ID: P409215

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2301455	Organic Carbon	0.0	Spike	P	0 - 20

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

Quality Assurance Report Surrogates

Lab Sample ID: 2301318
Field Sample ID: G3TLHR0007

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	104	P	30 - 160
EPA 8321B	Acetaminophen-d4	90.4	P	30 - 160
EPA 8321B	Carbamazepine-d10	110	P	30 - 160
EPA 8321B	Diuron-d6	85.4	P	30 - 160
EPA 8321B	Endothall-d6	107	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	85.2	P	30 - 160
EPA 8321B	Ibuprofen-d3	83.0	P	30 - 160
EPA 8321B	Primidone-d5	107	P	30 - 160
EPA 8321B	Sucralose-d6	107	P	30 - 160

Lab Sample ID: 2301319
Field Sample ID: G3TLHR0008

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	97.8	P	30 - 160
EPA 8321B	Acetaminophen-d4	84.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	106	P	30 - 160
EPA 8321B	Diuron-d6	85.6	P	30 - 160
EPA 8321B	Endothall-d6	107	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	84.3	P	30 - 160
EPA 8321B	Ibuprofen-d3	77.4	P	30 - 160
EPA 8321B	Primidone-d5	102	P	30 - 160
EPA 8321B	Sucralose-d6	118	P	30 - 160

Lab Sample ID: 2301320
Field Sample ID: G3TLHR0044

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	96.8	P	30 - 160
EPA 8321B	Acetaminophen-d4	90.6	P	30 - 160
EPA 8321B	Carbamazepine-d10	111	P	30 - 160
EPA 8321B	Diuron-d6	84.0	P	30 - 160
EPA 8321B	Endothall-d6	96.2	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	85.9	P	30 - 160
EPA 8321B	Ibuprofen-d3	87.6	P	30 - 160
EPA 8321B	Primidone-d5	104	P	30 - 160
EPA 8321B	Sucralose-d6	95.2	P	30 - 160

Lab Sample ID: 2301321
Field Sample ID: G3TLHR0045

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	70.6	P	30 - 160

Lab Sample ID: 2301322
Field Sample ID: G3TLHR0045

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	114	P	30 - 160
EPA 8321B	Acetaminophen-d4	96.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	112	P	30 - 160
EPA 8321B	Diuron-d6	80.3	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2301322

Field Sample ID: G3TLHR0045

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Endothall-d6	109	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	85.5	P	30 - 160
EPA 8321B	Ibuprofen-d3	84.6	P	30 - 160
EPA 8321B	Primidone-d5	121	P	30 - 160
EPA 8321B	Sucralose-d6	91.3	P	30 - 160

Lab Sample ID: 2301323

Field Sample ID: G3TLHR0002

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	86.1	P	30 - 160
EPA 8321B	Acetaminophen-d4	79.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	108	P	30 - 160
EPA 8321B	Diuron-d6	89.9	P	30 - 160
EPA 8321B	Endothall-d6	148	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	89.9	P	30 - 160
EPA 8321B	Ibuprofen-d3	90.4	P	30 - 160
EPA 8321B	Primidone-d5	94.6	P	30 - 160
EPA 8321B	Sucralose-d6	104	P	30 - 160

Lab Sample ID: 2301324

Field Sample ID: G3TLHR0003

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	72.5	P	30 - 160
EPA 8321B	Acetaminophen-d4	84.2	P	30 - 160
EPA 8321B	Carbamazepine-d10	105	P	30 - 160
EPA 8321B	Diuron-d6	86.4	P	30 - 160
EPA 8321B	Endothall-d6	137	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	84.1	P	30 - 160
EPA 8321B	Ibuprofen-d3	77.2	P	30 - 160
EPA 8321B	Primidone-d5	99.9	P	30 - 160
EPA 8321B	Sucralose-d6	90.5	P	30 - 160

Lab Sample ID: 2301325

Field Sample ID: G3TLHR0045

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	76.3	P	31 - 118
EPA 8270E	Tetrachloro-m-xylene	65.1	P	28 - 96.0
EPA 8276	Decachlorobiphenyl	78.3	P	30 - 97.0
EPA 8276	PCNB	74.3	P	45 - 119

Lab Sample ID: 2301326

Field Sample ID: G3TLHR0045

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	73.3	P	20 - 200
EPA 8270E	Simazine-d10	129	P	71 - 140
EPA 8270E	Terbufos-d10	106	P	62 - 131

Quality Assurance Report Calibration Verification

Reference Method: EPA 365.1 Rev. 2.0 dissolved

Run ID: A110032

Included Lab Sample IDs: 2301293, 2301294, 2301295, 2301298, 2301301, 2301339

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	101	100	P/P	90 - 110
O-Phosphate-P	99.8	101	P/P	90 - 110
O-Phosphate-P	99.8	99.8	P/P	90 - 110

Reference Method: DEP SOP: NU-094-1

Run ID: A110033

Included Lab Sample IDs: 2301287, 2301288, 2301289, 2301296, 2301299, 2301337

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	101	P/P	85 - 115
Color (true)	98.0	100	P/P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A110034

Included Lab Sample IDs: 2301287, 2301288, 2301289, 2301296, 2301299, 2301337

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	98.5	99.0	P/P	95 - 105
Turbidity	99.5	98.5	P/P	95 - 105

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A110059

Included Lab Sample IDs: 2301327, 2301328, 2301329, 2301330

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	97.9	96.3	P/P	90 - 110
Aluminum	98.0	98.3	P/P	90 - 110
Antimony	100	102	P/P	90 - 110
Antimony	99.4	99.5	P/P	90 - 110
Arsenic	96.4	97.3	P/P	90 - 110
Arsenic	99.5	99.0	P/P	90 - 110
Beryllium	90.6	93.3	P/P	90 - 110
Beryllium	92.1	93.1	P/P	90 - 110
Boron	102	93.5	P/P	90 - 110
Boron	98.4	98.5	P/P	90 - 110
Cadmium	98.3	98.9	P/P	90 - 110
Cadmium	99.8	101	P/P	90 - 110
Chromium	95.8	97.0	P/P	90 - 110
Chromium	96.7	98.8	P/P	90 - 110
Cobalt	92.5	93.9	P/P	90 - 110
Cobalt	96.9	97.4	P/P	90 - 110
Copper	92.1	94.1	P/P	90 - 110
Copper	96.6	96.7	P/P	90 - 110
Lead	93.4	92.5	P/P	90 - 110
Lead	94.0	93.6	P/P	90 - 110
Molybdenum	96.6	97.4	P/P	90 - 110
Molybdenum	97.8	97.3	P/P	90 - 110
Nickel	92.4	93.9	P/P	90 - 110
Nickel	96.8	97.7	P/P	90 - 110
Selenium	98.0	98.0	P/P	90 - 110
Selenium	98.5	98.0	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 200.8 Rev. 5.4

Run ID: A110059

Included Lab Sample IDs: 2301327, 2301328, 2301329, 2301330

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Silver	99.5	99.2	P/P	90 - 110
Silver	99.9	99.4	P/P	90 - 110
Thallium	102	99.8	P/P	90 - 110
Thallium	102	102	P/P	90 - 110

Reference Method: EPA 200.7 Rev. 4.4

Run ID: A110065

Included Lab Sample IDs: 2301327, 2301328, 2301329, 2301330

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Barium	96.5	96.0	P/P	90 - 110
Calcium	99.1	97.4	P/P	90 - 110
Iron	102	99.9	P/P	90 - 110
Magnesium	100	98.7	P/P	90 - 110
Manganese	100	99.7	P/P	90 - 110
Potassium	95.6	94.5	P/P	90 - 110
Sodium	97.1	95.8	P/P	90 - 110
Strontium	100	99.4	P/P	90 - 110
Tin	96.8	97.0	P/P	90 - 110
Titanium	98.9	98.3	P/P	90 - 110
Vanadium	98.5	97.7	P/P	90 - 110
Zinc	94.8	95.2	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A110068

Included Lab Sample IDs: 2301287, 2301288, 2301289, 2301296, 2301299, 2301337

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	100	99.4	P/P	90 - 110
Total Alkalinity	99.4	97.2	P/P	90 - 110

Reference Method: SM 4500 F-C-2011

Run ID: A110068

Included Lab Sample IDs: 2301287, 2301288, 2301289, 2301296, 2301299, 2301337

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A110069

Included Lab Sample IDs: 2301290, 2301291, 2301292, 2301297, 2301300, 2301338

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A110075

Included Lab Sample IDs: 2301338

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A110075

Included Lab Sample IDs: 2301338

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

Reference Method: EPA 8321B

Run ID: A110090

Included Lab Sample IDs: 2301318, 2301319, 2301320, 2301322, 2301323, 2301324

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	86.3	96.8	P/P	60 - 160
Acesulfame K	96.8	114	P/P	60 - 160
Endothall	79.1	83.8	P/P	60 - 160
Endothall	79.3	79.1	P/P	60 - 160
Sucralose	95.3	111	P/P	60 - 160
Sucralose	97.0	95.3	P/P	60 - 160

Reference Method: EPA 8321B

Run ID: A110095

Included Lab Sample IDs: 2301318, 2301319, 2301320, 2301322, 2301323, 2301324

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	102	103	P/P	60 - 160
AMPA	91.2	102	P/P	60 - 160
Glufosinate	87.6	97.8	P/P	60 - 160
Glufosinate	97.8	95.5	P/P	60 - 160
Glyphosate	82.8	95.5	P/P	60 - 160
Glyphosate	95.5	93.0	P/P	60 - 160

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A110109

Included Lab Sample IDs: 2301290, 2301291, 2301292, 2301297, 2301300

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	101	104	P/P	90 - 110
Total-P	104	99.5	P/P	90 - 110
Total-P	99.5	99.5	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A110130

Included Lab Sample IDs: 2301290, 2301291, 2301292, 2301297, 2301300, 2301338

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.5	97.7	P/P	90 - 110
Organic Carbon	97.7	98.7	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A110135

Included Lab Sample IDs: 2301325

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	96.8		P	80 - 120
Alpha-BHC	103		P	80 - 120
Alpha-Chlordane	98.4		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A110135
Included Lab Sample IDs: 2301325

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Beta-BHC	104		P	80 - 120
Beta-Cyfluthrin	96.4		P	80 - 120
Bifenthrin	98.0		P	80 - 120
Chlorothalonil	102		P	80 - 120
Cis-Nonachlor	98.8		P	80 - 120
Cypermethrin	94.5		P	80 - 120
Dacthal	98.6		P	80 - 120
DDD-p,p'	100		P	80 - 120
DDE-p,p'	99.6		P	80 - 120
DDT-p,p'	101		P	80 - 120
Delta-BHC	100		P	80 - 120
Deltamethrin	90.6		P	80 - 120
Dichlobenil	98.5		P	80 - 120
Dicofol	99.0		P	80 - 120
Dieldrin	101		P	80 - 120
Endosulfan I	97.2		P	80 - 120
Endosulfan II	97.2		P	80 - 120
Endosulfan Sulfate	90.3		P	80 - 120
Endrin	98.8		P	80 - 120
Endrin Aldehyde	95.9		P	80 - 120
Endrin Ketone	101		P	80 - 120
Esfenvalerate	94.1		P	80 - 120
Ethalfuralin	102		P	80 - 120
Fenpropathrin	96.8		P	80 - 120
Gamma-BHC	107		P	80 - 120
Gamma-Chlordane	98.4		P	80 - 120
Heptachlor	97.8		P	80 - 120
Heptachlor Epoxide	102		P	80 - 120
Hexachlorobenzene	101		P	80 - 120
Kepone	83.1		P	80 - 120
Lambda-Cyhalothrin	95.4		P	80 - 120
Methoprene	95.5		P	80 - 120
Methoxychlor	103		P	80 - 120
MGK-264	93.2		P	80 - 120
Mirex	95.4		P	80 - 120
Oxychlordane	96.2		P	80 - 120
Permethrin	98.4		P	80 - 120
Phenothrin	96.4		P	80 - 120
Piperonyl Butoxide	85.4		P	80 - 120
Prallethrin	94.0		P	80 - 120
Tau-Fluvalinate	95.9		P	80 - 120
Tetramethrin	86.9		P	80 - 120
Trans-Nonachlor	100		P	80 - 120
Triclosan Methyl	97.0		P	80 - 120
Trifluralin	98.3		P	80 - 120

Reference Method: EPA 8276
Run ID: A110147
Included Lab Sample IDs: 2301325

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

Reference Method: EPA 8276
Run ID: A110147
Included Lab Sample IDs: 2301325

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	97.1		P	80 - 120
Toxaphene	104		P	80 - 120

Reference Method: EPA 8321B
Run ID: A110148
Included Lab Sample IDs: 2301318, 2301319, 2301320, 2301322, 2301323, 2301324

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	81.4	84.4	P/P	50 - 150
2,4,5-T	87.2	80.1	P/P	50 - 150
3-Hydroxycarbofuran	103	107	P/P	60 - 150
Acetaminophen	107	106	P/P	60 - 160
Acetamiprid	105	105	P/P	50 - 150
Afidopyropen	99.6	96.5	P/P	50 - 150
Aldicarb	93.6	67.1	P/P	60 - 150
Aldicarb Sulfone	105	100	P/P	50 - 150
Aldicarb Sulfoxide	101	107	P/P	50 - 150
Bentazon	80.7	83.4	P/P	50 - 160
Benzovindiflupyr	103	109	P/P	50 - 160
Carbamazepine	103	106	P/P	60 - 150
Carbaryl	107	108	P/P	60 - 150
Carbofuran	106	104	P/P	50 - 150
Clothianidin	95.5	105	P/P	60 - 150
Dinotefuran	112	113	P/P	50 - 150
Diuron	114	105	P/P	60 - 160
Fenuron	110	114	P/P	60 - 150
Fluridone	102	101	P/P	60 - 160
Hydrocodone	104	106	P/P	60 - 150
Ibuprofen	96.2	86.6	P/P	50 - 160
Imazapyr	130	109	P/P	50 - 160
Imidacloprid	103	98.7	P/P	60 - 150
Linuron	101	106	P/P	60 - 150
Mandestrobin	117	122	P/P	50 - 150
MCPP	93.3	93.7	P/P	50 - 150
Methiocarb	108	107	P/P	50 - 150
Methomyl	112	111	P/P	50 - 150
Naproxen	95.7	89.6	P/P	50 - 160
Oxamyl	103	99.7	P/P	50 - 150
Primidone	97.8	100	P/P	60 - 150
Propoxur	107	100	P/P	50 - 150
Pyraclostrobin	110	114	P/P	60 - 150
Silvex	69.6	81.8	P/P	50 - 150
Thiamethoxam	101	99.6	P/P	50 - 150
Tolfenpyrad	103	97.9	P/P	60 - 150
Triclopyr	87.0	99.3	P/P	50 - 150

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A110154
Included Lab Sample IDs: 2301287, 2301288, 2301289, 2301296, 2301299, 2301337

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A110154

Included Lab Sample IDs: 2301287, 2301288, 2301289, 2301296, 2301299, 2301337

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	100	99.9	P/P	90 - 110
Chloride	99.7	100	P/P	90 - 110
Sulfate	99.1	99.3	P/P	90 - 110
Sulfate	99.3	98.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A110182

Included Lab Sample IDs: 2301290, 2301291, 2301292, 2301297, 2301300, 2301338

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A110188

Included Lab Sample IDs: 2301292, 2301300

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	102	94.7	P/P	90 - 110
Kjeldahl Nitrogen	94.9	102	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A110228

Included Lab Sample IDs: 2301290, 2301291, 2301297, 2301338

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	99.0	98.4	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A110253

Included Lab Sample IDs: 2301326

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	101		P	80 - 120
Alachlor	101		P	80 - 120
Ametryn	97.9		P	80 - 120
Atrazine	98.6		P	80 - 120
Atrazine Desethyl	111		P	80 - 120
Azinphos Methyl	108		P	80 - 120
Azoxystrobin	104		P	80 - 120
Bromacil	99.7		P	80 - 120
Butylate	107		P	80 - 120
Caffeine	90.6		P	80 - 120
Carbophenothion	81.1		P	80 - 120
Carfentrazone Ethyl	93.5		P	80 - 120
Chlorfenapyr	106		P	80 - 120
Chlorpyrifos Ethyl	104		P	80 - 120
Chlorpyrifos Methyl	101		P	80 - 120
Coumaphos	94.9		P	80 - 120
Cyanazine	107		P	80 - 120
Cyprodinil	102		P	80 - 120
Demeton	103		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A110253
Included Lab Sample IDs: 2301326

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Diazinon	100		P	80 - 120
Difenoconazole	104		P	80 - 120
Dimethenamid	101		P	80 - 120
Dimethomorph	105		P	80 - 120
Disulfoton	100		P	80 - 120
Dithiopyr	101		P	80 - 120
EPTC	102		P	80 - 120
Ethion	101		P	80 - 120
Ethoprop	100		P	80 - 120
Etridiazole	99.6		P	80 - 120
Fenbuconazole	94.1		P	80 - 120
Fipronil	101		P	80 - 120
Fipronil Desulfinyl	97.4		P	80 - 120
Fipronil Sulfide	105		P	80 - 120
Fipronil Sulfone	101		P	80 - 120
Fluazifop-P-butyl	102		P	80 - 120
Fludioxonil	90.7		P	80 - 120
Flumioxazin	98.7		P	80 - 120
Flutolanil	98.5		P	80 - 120
Fonofos	101		P	80 - 120
Hexazinone	102		P	80 - 120
Imazalil	95.3		P	80 - 120
Iprodione	101		P	80 - 120
Loratadine	113		P	80 - 120
Malathion	88.5		P	80 - 120
Metalaxyl	104		P	80 - 120
Metolachlor	103		P	80 - 120
Metribuzin	104		P	80 - 120
Mevinphos	105		P	80 - 120
Molinate	102		P	80 - 120
Myclobutanil	102		P	80 - 120
Naled	106		P	80 - 120
Napropamide	103		P	80 - 120
Norflurazon	95.1		P	80 - 120
Oxadiazon	103		P	80 - 120
Oxyfluorfen	103		P	80 - 120
Parathion Ethyl	103		P	80 - 120
Parathion Methyl	100		P	80 - 120
Pendimethalin	105		P	80 - 120
Phenytol	96.6		P	80 - 120
Phorate	106		P	80 - 120
Prodiamine	106		P	80 - 120
Pronamide	102		P	80 - 120
Propanil	98.6		P	80 - 120
Propargite	99.5		P	80 - 120
Propiconazole	97.4		P	80 - 120
Pyraflufen Ethyl	96.9		P	80 - 120
Pyridaben	102		P	80 - 120
Pyriproxyfen	114		P	80 - 120
Simazine	104		P	80 - 120
Stirophos	89.0		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A110253
Included Lab Sample IDs: 2301326

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Terbufos	97.4		P	80 - 120
Terbutylazine	103		P	80 - 120
Thiobencarb	104		P	80 - 120
Triadimefon	102		P	80 - 120

Reference Method: EPA 8270E
Run ID: A110298
Included Lab Sample IDs: 2301326

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fenamiphos	101		P	80 - 120
Fluxapyroxad	100		P	80 - 120
Prometon	96.0		P	80 - 120
Prometryn	99.3		P	80 - 120
Sulfentrazone	95.0		P	80 - 120
Tebuconazole	86.5		P	80 - 120

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

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery			LCS	Precision	MS
							SMP	
DEP SOP: NU-094-1	Color (true)	99.5					1.01	
	Color (true)	98.7					0.403	
EPA 180.1 Rev. 2.0	Turbidity						1.65	
	Turbidity						3.38	
EPA 200.7 Rev. 4.4	Barium	102	97.4	99.6	107			2.16
	Calcium	102	98.6	107				0.824
	Iron	111	108	109	112			0.613
	Magnesium	103	101	111				0.190
	Manganese	104	100	103	109			2.30
	Potassium	105	100	101	103			0.320
	Sodium	101	99.7	106				0.774
	Strontium	102	99.4	101	105			0.996
	Tin	103	99.5	99.8	106			0.272
	Titanium	104	101	104	111			2.37
	Vanadium	103	102	104	109			2.04
	Zinc	98.2	96.7	98.5	105			1.90
EPA 200.8 Rev. 5.4	Aluminum	101	91.6	98.2	97.5			0.703
	Antimony	101	95.4	105	103			1.50
	Arsenic	101	96.4	101	99.8			1.01
	Beryllium	98.6	93.6	94.6	91.1			1.06
	Boron	99.9	96.8	102	101			0.590
	Cadmium	100	94.6	103	103			0.210
	Chromium	99.2	98.1	102	102			0.288
	Cobalt	101	97.7	98.9	98.2			0.735
	Copper	99.0	98.3	96.4	95.8			0.664
	Lead	98.3	94.7	98.9	99.0			0.0709
	Molybdenum	101	96.4	104	102			1.06
	Nickel	100	98.4	96.5	95.9			0.590
	Selenium	99.9	95.1	98.1	98.6			0.427
	Silver	101	97.4	99.1	98.8			0.233
	Thallium	105	104	109	108			0.498
EPA 300.0 Rev. 2.1	Chloride	99.3	96.4	98.6			0.0827	
	Sulfate	97.7	94.7	97.2			0.348	
EPA 350.1 Rev. 2.0	Ammonia-N	99.6	98.6	101				2.26
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	107	98.6	98.3				0.174
	Kjeldahl Nitrogen	101	106	107				0.624
EPA 353.2 Rev. 2.0	NO2NO3-N	102	102	102				0.0
	NO2NO3-N	102	100	101				0.382
EPA 365.1 Rev. 2.0	Total-P	102	105	103				2.01
	Total-P	103	105	105				0.357
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.1	96.9	97.9				0.932
	O-Phosphate-P	101	99.6	101				0.999
EPA 8270E	Acetochlor	114	106	107				0.610
	Alachlor	103	96.4	98.2				1.81
	Aldrin	66.0	23.6	40.1				51.7
	Alpha-BHC	96.5	60.7	81.9				29.7
	Alpha-Chlordane	90.4	37.7	56.7				40.3
	Ametryn	112	152	138				9.74
	Atrazine	106	102	99.3				2.28
	Atrazine Desethyl	86.6	58.1	62.5				7.37
	Azinphos Methyl	72.2	72.1	78.8				8.81
	Azoxystrobin	109	98.6	105				4.63
	Beta-BHC	109	70.0	95.6				30.9
	Beta-Cyfluthrin	112	48.5	75.1				43.1

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Bifenthrin	92.6	36.7	62.5			51.9
	Bromacil	109	101	99.7			0.941
	Butylate	66.8	39.5	47.7			18.8
	Caffeine	85.8	115	126			9.40
	Carbophenothion	111	101	106			5.19
	Carfentrazone Ethyl	125	121	118			1.99
	Chlorfenapyr	103	85.7	91.5			6.61
	Chlorothalonil	113	91.9	169			59.2
	Chlorpyrifos Ethyl	113	105	109			3.36
	Chlorpyrifos Methyl	110	106	109			2.68
	Cis-Nonachlor	90.6	44.2	54.7			21.2
	Coumaphos	171	185	200			7.69
	Cyanazine	133	120	128			6.37
	Cypermethrin	86.7	47.1	70.5			39.7
	Cyprodinil	140	121	128			4.93
	Dacthal	95.8	53.6	73.7			31.5
	DDD-p,p'	90.3	36.3	54.1			39.3
	DDE-p,p'	89.0	32.7	48.2			38.3
	DDT-p,p'	88.4	40.2	60.6			40.4
	Delta-BHC	112	77.8	113			37.1
	Deltamethrin	132	60.7	87.2			35.9
	Demeton	96.8	86.5	97.8			12.3
	Diazinon	106	104	103			1.30
	Dichlobenil	85.9	34.8	52.9			41.1
	Dicofol	83.4	45.9	64.1			33.0
	Dieldrin	91.3	40.2	58.7			37.2
	Difenoconazole	108	84.6	86.6			2.37
	Dimethenamid	91.0	99.1	98.2			0.933
	Dimethomorph	111	102	102			0.377
	Disulfoton	89.0	93.8	104			10.2
	Dithiopyr	104	101	96.5			4.75
	Endosulfan I	90.6	43.1	62.4			36.4
	Endosulfan II	88.1	38.8	54.6			33.8
	Endosulfan Sulfate	91.6	52.6	69.3			27.4
	Endrin	89.2	38.0	56.4			39.0
	Endrin Aldehyde	91.3	32.2	50.5			44.4
	Endrin Ketone	101	52.9	75.7			35.4
	EPTC	61.1	31.3	37.2			17.4
	Esfenvalerate	109	53.3	77.5			36.9
	Ethalfuralin	87.6	38.3	57.3			39.8
	Ethion	103	93.8	85.9			8.77
	Ethoprop	85.4	100	104			3.96
	Etridiazole	69.1	52.0	56.1			7.49
	Fenamiphos	126	89.1	80.6			10.0
	Fenbuconazole	145	147	144			1.92
	Fenpropathrin	101	39.6	54.6			31.8
	Fipronil	110	109	109			0.0491
	Fipronil Desulfinyl	111	106	101			5.02
	Fipronil Sulfide	95.7	98.3	96.3			2.00
	Fipronil Sulfone	105	101	100			0.798
	Fluazifop-P-butyl	97.3	97.6	96.4			1.19
	Fludioxonil	111	93.0	95.1			2.29
	Flumioxazin	248	269	295			9.19
	Flutolanil	104					1.33

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Fluxapyroxad	127	99.3	70.5			22.8
	Fonofos	85.7	87.1	95.9			9.70
	Gamma-BHC	87.0	72.7	96.3			27.9
	Gamma-Chlordane	85.9	36.8	55.4			40.3
	Heptachlor	80.1	31.3	50.7			47.3
	Heptachlor Epoxide	90.7	46.1	64.1			32.7
	Hexachlorobenzene	86.5	33.2	54.5			48.7
	Hexazinone	114	106	106			0.171
	Imazalil	88.8	104	89.3			15.4
	Iprodione	70.6	61.7	60.6			1.75
	Kepone	156	81.8	103			23.3
	Lambda-Cyhalothrin	111	53.5	90.1			51.0
	Loratadine	87.4	75.7	76.6			1.15
	Malathion	128	115	116			0.886
	Metalaxyl	99.7	97.8	90.6			7.66
	Methoprene	76.6	29.0	51.3			55.6
	Methoxychlor	103	58.6	78.4			28.9
	Metolachlor	111	102	98.6			2.58
	Metribuzin	111	113	107			5.90
	Mevinphos	89.0	99.9	108			8.21
	MGK-264	86.9	48.4	69.3			35.4
	Mirex	74.4	25.8	41.0			45.7
	Molinate	76.1	69.9	79.7			13.1
	Myclobutanil	109	103	102			1.01
	Naled	119	105	110			4.89
	Napropamide	103	95.0	93.1			1.98
	Norflurazon	119	122	116			4.46
	Oxadiazon	92.9	83.8	80.1			4.62
	Oxychlordane	87.6	52.4	86.7			49.3
	Oxyfluorfen	117	126	121			4.15
	Parathion Ethyl	106	92.2	97.1			5.16
	Parathion Methyl	120	109	118			7.69
	Pendimethalin	79.5	86.2	87.3			1.21
	Permethrin	112	53.0	79.0			39.4
	Phenothrin	87.5	38.7	68.7			55.8
	Phenytol	113	114	108			5.16
	Phorate	98.5	116	107			7.64
	Piperonyl Butoxide	103	57.4	87.3			41.3
	Prallethrin	71.1	36.8	60.2			48.2
	Prodimine	98.2	129	126			2.78
	Prometon	105	104	72.1			35.9
	Prometryn	94.7	93.8	85.0			9.79
	Pronamide	121	116	110			4.89
	Propanil	118	112	115			2.58
	Propargite	163	151	144			5.18
	Propiconazole	99.8	131	128			2.40
	Pyraflufen Ethyl	124	132	118			11.7
	Pyridaben	159	174	194			11.3
	Pyriproxyfen	61.7	55.1	47.2			14.5
	Simazine	123	105	111			5.21
	Stirophos	84.7	98.3	98.9			0.613
	Sulfentrazone	136	103	89.4			14.5
	Tau-Fluvalinate	101	41.1	69.0			50.7
	Tebuconazole	78.7	75.1	46.2			33.5

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision LCS	SMP	MS
EPA 8270E	Terbufos	102	118	121			2.59
	Terbutylazine	101	99.0	94.1			5.05
	Tetramethrin	80.3	42.1	70.6			50.7
	Thiobencarb	112	102	105			3.56
	Trans-Nonachlor	85.2	37.0	54.6			38.6
	Triadimefon	98.3	80.7	78.1			3.26
	Triclosan Methyl	92.0	37.8	51.5			30.8
	Trifluralin	85.4	39.8	56.9			35.4
EPA 8276	Chlordane	81.7	64.4	56.9			12.3
	Toxaphene	76.4	83.5	69.7			18.0
EPA 8321B	2,4-D	94.2	128	140			8.72
	2,4,5-T	92.0	107	135			22.8
	3-Hydroxycarbofuran	79.7	106	86.7			20.0
	Acesulfame K	88.1	86.4	91.4			5.66
	Acetaminophen	61.6	85.7	85.5			0.257
	Acetamiprid	95.6	114	100			13.2
	Afidopyropen	78.2	78.6	65.4			18.3
	Aldicarb	45.1	82.8	80.8			2.42
	Aldicarb Sulfone	93.7	116	119			2.04
	Aldicarb Sulfoxide	90.8	46.1	60.2			26.5
	AMPA	95.1	103	98.2			4.68
	Bentazon	92.9	78.4	76.1			2.93
	Benzovindiflupyr	96.4	103	107			4.28
	Carbamazepine	99.8	113	122			7.46
	Carbaryl	81.3	73.7	76.8			4.15
	Carbofuran	86.3	81.2	87.0			6.98
	Clothianidin	103	140	147			4.69
	Dinotefuran	105	131	135			3.31
	Diuron	98.6	87.5	86.0			1.72
	Endothall	106	130	129			0.314
	Fenuron	106	92.7	99.6			7.20
	Fluridone	113	97.4	113			14.8
	Glufosinate	95.1	97.0	102			4.76
	Glyphosate	93.4	92.5	91.4			1.11
	Hydrocodone	98.6	113	120			5.84
	Ibuprofen	92.1	91.9	85.2			7.57
	Imazapyr	110	198	202			1.95
	Imidacloprid	95.7	182	188			3.51
	Linuron	82.7	79.0	74.7			5.60
	Mandestrobin	98.6	103	107			3.74
	MCPP	120	145	147			1.53
	Methiocarb	70.4	68.6	72.8			5.84
	Methomyl	88.6	86.6	90.7			4.63
	Naproxen	114	87.4	114			26.5
	Oxamyl	95.6	94.1	108			13.4
	Primidone	95.9	116	115			1.31
	Propoxur	78.6	81.9	91.9			11.5
	Pyraclostrobin	89.7	101	106			5.17
	Silvex	70.5	89.1	110			21.4
	Sucralose	106	77.1	84.4			8.99
	Thiamethoxam	101	153	156			1.98
	Tolfenpyrad	44.8	63.6	67.3			5.77
	Triclopyr	90.4	114	138			18.8
SM 2320 B-2011	Total Alkalinity	101				0.123	

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery	Precision		
				LCS	SMP	MS
SM 2540 C-2011	TDS				2.96	
	TDS				5.45	
SM 4500 F-C-2011	Fluoride	99.3	99.2 99.2			0.0
SM 5310 B-2011	Organic Carbon	96.3	96.4 96.4			0.0

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2301327, 2301328, 2301329, 2301330
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2301327, 2301328, 2301329, 2301330
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2301290, 2301291, 2301292, 2301297, 2301300, 2301338
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2301290, 2301291, 2301292, 2301297, 2301300, 2301338
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2301290, 2301291, 2301292, 2301297, 2301300, 2301338
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2301290, 2301291, 2301292, 2301297, 2301300, 2301338
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2301293, 2301294, 2301295, 2301298, 2301301, 2301339
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2301325
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2301326
EPA 8276	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization	2301325
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2301321
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2301318, 2301319, 2301320, 2301322, 2301323, 2301324
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
SM 2340B	Hardness by calculation, in aqueous matrices, reported as mg/L CaCO ₃	2301327, 2301328, 2301329, 2301330
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
SM 4500 F-C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2301290, 2301291, 2301292, 2301297, 2301300, 2301338

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	01/24/2022			01/25/2022 15:12	Blanca Fach	2301287
	01/24/2022			01/25/2022 15:17	Blanca Fach	2301288
	01/24/2022			01/25/2022 15:18	Blanca Fach	2301289, 2301296
	01/24/2022			01/25/2022 15:19	Blanca Fach	2301299
	01/24/2022			01/25/2022 15:24	Blanca Fach	2301337
EPA 180.1 Rev. 2.0	01/24/2022			01/25/2022 15:03	Khloe J Berg	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
EPA 200.7 Rev. 4.4	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/26/2022 23:51	Josef B Mick	2301327
	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/26/2022 23:56	Josef B Mick	2301328
	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/27/2022 00:15	Josef B Mick	2301329
	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/27/2022 00:21	Josef B Mick	2301330
EPA 200.8 Rev. 5.4	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/26/2022 13:20	Alexander Thompson	2301328
	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/26/2022 16:40	Alexander Thompson	2301327
	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/26/2022 16:50	Alexander Thompson	2301329
	01/24/2022	01/25/2022 11:15	Emily M Philpot	01/26/2022 16:59	Alexander Thompson	2301330
EPA 300.0 Rev. 2.1	01/24/2022			02/01/2022 21:42	James L Waggeberby	2301288
	01/24/2022			02/02/2022 00:07	James L Waggeberby	2301287
	01/24/2022			02/02/2022 00:19	James L Waggeberby	2301289
	01/24/2022			02/02/2022 00:31	James L Waggeberby	2301296
	01/24/2022			02/02/2022 00:43	James L Waggeberby	2301299
	01/24/2022			02/02/2022 00:55	James L Waggeberby	2301337
EPA 350.1 Rev. 2.0	01/24/2022			02/02/2022 15:09	Roberta Tatti	2301290
	01/24/2022			02/02/2022 15:14	Roberta Tatti	2301292
	01/24/2022			02/02/2022 15:16	Roberta Tatti	2301297
	01/24/2022			02/02/2022 15:17	Roberta Tatti	2301300
	01/24/2022			02/02/2022 15:18	Roberta Tatti	2301338
	01/24/2022			02/02/2022 15:22	Roberta Tatti	2301291
EPA 351.2 Rev. 2.0	01/24/2022	01/31/2022 10:51	Samantha L Bates	02/02/2022 12:39	Alexandra J Mattheus	2301292
	01/24/2022	01/31/2022 10:51	Samantha L Bates	02/02/2022 12:44	Alexandra J Mattheus	2301300
	01/24/2022	01/31/2022 10:51	Samantha L Bates	02/03/2022 10:29	Alexandra J Mattheus	2301290
	01/24/2022	01/31/2022 10:51	Samantha L Bates	02/03/2022 10:31	Alexandra J Mattheus	2301291
	01/24/2022	01/31/2022 10:51	Samantha L Bates	02/03/2022 10:33	Alexandra J Mattheus	2301297
	01/24/2022	01/31/2022 10:51	Samantha L Bates	02/03/2022 10:34	Alexandra J Mattheus	2301338
EPA 353.2 Rev. 2.0	01/24/2022			01/27/2022 09:56	Beverly Y. Sanders	2301290
	01/24/2022			01/27/2022 10:03	Beverly Y. Sanders	2301291
	01/24/2022			01/27/2022 10:09	Beverly Y. Sanders	2301292
	01/24/2022			01/27/2022 10:10	Beverly Y. Sanders	2301297
	01/24/2022			01/27/2022 10:11	Beverly Y. Sanders	2301300
	01/24/2022			01/27/2022 10:12	Beverly Y. Sanders	2301338
EPA 365.1 Rev. 2.0	01/24/2022	01/26/2022 17:15	Simonne.V. Calhoun	01/27/2022 12:32	Shengyu Ding	2301338

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	01/24/2022	01/26/2022 17:15	Simonne.V. Calhoun	01/28/2022 15:14	Shengyu Ding	2301290
	01/24/2022	01/26/2022 17:15	Simonne.V. Calhoun	01/28/2022 15:26	Shengyu Ding	2301291
	01/24/2022	01/26/2022 17:15	Simonne.V. Calhoun	01/28/2022 15:27	Shengyu Ding	2301292
	01/24/2022	01/26/2022 17:15	Simonne.V. Calhoun	01/28/2022 15:45	Shengyu Ding	2301297
	01/24/2022	01/26/2022 17:15	Simonne.V. Calhoun	01/28/2022 15:46	Shengyu Ding	2301300
EPA 365.1 Rev. 2.0 dissolved	01/24/2022			01/25/2022 14:31	James L Waggerby	2301293
	01/24/2022			01/25/2022 14:36	James L Waggerby	2301294
	01/24/2022			01/25/2022 14:37	James L Waggerby	2301295
	01/24/2022			01/25/2022 14:38	James L Waggerby	2301298
	01/24/2022			01/25/2022 14:44	James L Waggerby	2301301
EPA 8270E	01/24/2022			01/25/2022 14:49	James L Waggerby	2301339
	01/24/2022	01/28/2022 08:00	Fe-Val Siddell	01/31/2022 18:43	Vandana T. Nagar	2301325
	01/24/2022	01/31/2022 08:00	Rasheda Ghaffari	02/02/2022 18:03	Michael Poppell	2301326
EPA 8276	01/24/2022	01/31/2022 08:00	Rasheda Ghaffari	02/07/2022 15:38	Michael Poppell	2301326
	01/24/2022	01/28/2022 08:00	Fe-Val Siddell	02/01/2022 06:13	Arthur Maknenko	2301325
EPA 8321B	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 11:22	Manjita Shrestha	2301318
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 11:33	Manjita Shrestha	2301319
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 11:44	Manjita Shrestha	2301320
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 12:05	Manjita Shrestha	2301322
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 12:16	Manjita Shrestha	2301323
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 12:27	Manjita Shrestha	2301324
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 14:45	Manjita Shrestha	2301318
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 15:00	Manjita Shrestha	2301319
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 15:15	Manjita Shrestha	2301320
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 15:45	Manjita Shrestha	2301322
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 15:59	Manjita Shrestha	2301323
	01/24/2022	01/26/2022 09:00	Manjita Shrestha	01/26/2022 16:14	Manjita Shrestha	2301324
	01/24/2022	01/27/2022 09:00	Hoor Shaik	01/30/2022 06:30	Juyoung Kim	2301318
	01/24/2022	01/27/2022 09:00	Hoor Shaik	01/30/2022 07:04	Juyoung Kim	2301319
	01/24/2022	01/27/2022 09:00	Hoor Shaik	01/30/2022 07:39	Juyoung Kim	2301320
	01/24/2022	01/27/2022 09:00	Hoor Shaik	01/30/2022 08:14	Juyoung Kim	2301322
	01/24/2022	01/27/2022 09:00	Hoor Shaik	01/30/2022 08:48	Juyoung Kim	2301323
	01/24/2022	01/27/2022 09:00	Hoor Shaik	01/30/2022 09:23	Juyoung Kim	2301324
	01/24/2022	01/28/2022 12:00	June Rhew	01/29/2022 06:15	Juyoung Kim	2301321
SM 2320 B-2011	01/24/2022			01/27/2022 05:00	Dale L. Simmons	2301287
	01/24/2022			01/27/2022 05:10	Dale L. Simmons	2301288
	01/24/2022			01/27/2022 05:20	Dale L. Simmons	2301289
	01/24/2022			01/27/2022 05:30	Dale L. Simmons	2301296
	01/24/2022			01/27/2022 06:12	Dale L. Simmons	2301299
	01/24/2022			01/27/2022 06:24	Dale L. Simmons	2301337

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 2340B	01/24/2022			01/26/2022 23:51	Josef B Mick	2301327
	01/24/2022			01/26/2022 23:56	Josef B Mick	2301328
	01/24/2022			01/27/2022 00:15	Josef B Mick	2301329
	01/24/2022			01/27/2022 00:21	Josef B Mick	2301330
SM 2540 C-2011	01/24/2022			01/28/2022 14:02	Yijie Li	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
SM 2540 D-2011	01/24/2022			01/28/2022 14:02	Yijie Li	2301287, 2301288, 2301289, 2301296, 2301299, 2301337
SM 4500 F-C-2011	01/24/2022			01/27/2022 05:00	Dale L. Simmons	2301287
	01/24/2022			01/27/2022 05:10	Dale L. Simmons	2301288
	01/24/2022			01/27/2022 05:20	Dale L. Simmons	2301289
	01/24/2022			01/27/2022 05:30	Dale L. Simmons	2301296
	01/24/2022			01/27/2022 06:12	Dale L. Simmons	2301299
	01/24/2022			01/27/2022 06:24	Dale L. Simmons	2301337
SM 5310 B-2011	01/24/2022			01/29/2022 03:22	Nathaniel J Jones	2301290
	01/24/2022			01/29/2022 03:39	Nathaniel J Jones	2301291
	01/24/2022			01/29/2022 03:48	Nathaniel J Jones	2301292
	01/24/2022			01/29/2022 03:58	Nathaniel J Jones	2301297
	01/24/2022			01/29/2022 04:32	Nathaniel J Jones	2301300
	01/24/2022			01/29/2022 04:42	Nathaniel J Jones	2301338