

Chemical Analysis Report

SE-DIST-2024-01-31-01

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

Event Description: **SMP - Vero Beach**
Request ID: **RQ-2024-01-08-28**
Customer: **SE-DIST**
Project ID: **SMP**

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Certified by: Thekkekalathil Chandrasekhar, Environmental Consultant

Date Certified: 26-FEB-2024 11:24



Case Narrative

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

Results for the following analytical groups are included in this report: 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: LATERAL C CANAL NEAR 85TH ST

Collection Date/Time: 01/30/2024 10:00

Field ID: G5SE0143

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464533	DEP SOP: NU-094-1	Color (true)	29		PCU	P440734	
	EPA 180.1 Rev. 2.0	Turbidity	2.2		NTU	P440730	
	EPA 300.0 Rev. 2.1	Chloride	530		mg Cl/L	P441023	
		Sulfate	140		mg SO4/L	P441026	
	SM 2320 B-2011	Total Alkalinity	193		mg CaCO3/L	P440908	
	SM 2540 C-2015	TDS	1.16E+03		mg/L	P441271	
	SM 2540 D-2015	TSS	4	I	mg/L	P441047	
2464534	SM 4500-F- C-2011	Fluoride	0.49		mg F/L	P440911	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.043		mg N/L	P441063	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.58		mg N/L	P440754	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P440946	
	EPA 365.1 Rev. 2.0	Total-P	0.051		mg P/L	P440864	
2464575	SM 5310 B-2014	Organic Carbon	8.0		mg C/L	P440884	
	EPA 8321B	2,4-D	0.0059	I	ug/L	P440702	
		Acesulfame K	0.10	U	ug/L	P440694	
		2,4,5-T	0.0040	U	ug/L	P440702	
		AMPA	0.10	U	ug/L	P440694	
		Acetaminophen	0.0080	U	ug/L	P440702	
		Acetamiprid	0.0020	U	ug/L	P440702	
		Endothall	0.25	U	ug/L	P440694	
		Glufosinate	0.10	U	ug/L	P440694	
		Glyphosate	0.10	U	ug/L	P440694	
		Afidopyropen	0.0020	U	ug/L	P440702	
		Bentazon	8.0E-04	U	ug/L	P440702	
		Sucralose	0.010	U	ug/L	P440694	
		Benzovindiflupyr	0.0020	U	ug/L	P440702	
		Carbamazepine	8.0E-04	U	ug/L	P440702	
		Clothianidin	0.0020	U	ug/L	P440702	
		Dinotefuran	0.0020	U	ug/L	P440702	
		Diuron	0.0020	U	ug/L	P440702	
		Fenuron	0.032	U	ug/L	P440702	
		Fluridone	8.0E-04	U	ug/L	P440702	
		Imazapyr	0.0074	I	ug/L	P440702	
		Hydrocodone	0.0020	U	ug/L	P440702	
		Ibuprofen	0.080	UJ	ug/L	P440702	RPD
		Imidacloprid	0.0076	I	ug/L	P440702	
		Linuron	0.0040	U	ug/L	P440702	
		Mandestrobin	0.0020	U	ug/L	P440702	
		MCPP	0.0020	U	ug/L	P440702	
		Naproxen	0.0080	U	ug/L	P440702	
		Primidone	0.0040	U	ug/L	P440702	
		Pyraclostrobin	0.0020	U	ug/L	P440702	
		Silvex	0.0040	U	ug/L	P440702	
		Thiamethoxam	0.0020	U	ug/L	P440702	

Field ID: G5SE0143

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464575	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P440702	
		Triclopyr	0.0040	U	ug/L	P440702	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: UNNAMED CANAL NEAR 85TH ST

Collection Date/Time: 01/30/2024 10:20

Field ID: G5SE0144

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464535	DEP SOP: NU-094-1	Color (true)	31		PCU	P440734	
	EPA 180.1 Rev. 2.0	Turbidity	2.6		NTU	P440730	
	EPA 300.0 Rev. 2.1	Chloride	350		mg Cl/L	P441023	
		Sulfate	110		mg SO4/L	P441026	
	SM 2320 B-2011	Total Alkalinity	180		mg CaCO3/L	P440908	
	SM 2540 C-2015	TDS	874		mg/L	P441271	
	SM 2540 D-2015	TSS	4	I	mg/L	P441047	
2464536	SM 4500-F- C-2011	Fluoride	0.59		mg F/L	P440911	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.048		mg N/L	P441063	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.60		mg N/L	P440754	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.12		mg N/L	P440946	
	EPA 365.1 Rev. 2.0	Total-P	0.087		mg P/L	P440864	
2464576	SM 5310 B-2014	Organic Carbon	7.4		mg C/L	P440884	
	EPA 8321B	2,4-D	0.16		ug/L	P440702	
		Acesulfame K	0.10	U	ug/L	P440694	
		2,4,5-T	0.0040	U	ug/L	P440702	
		AMPA	0.13	I	ug/L	P440694	
		Acetaminophen	0.0080	U	ug/L	P440702	
		Acetamiprid	0.0020	U	ug/L	P440702	
		Endothall	0.25	U	ug/L	P440694	
		Glufosinate	0.10	U	ug/L	P440694	
		Glyphosate	0.11	I	ug/L	P440694	
		Afidopyropen	0.0020	U	ug/L	P440702	
		Bentazon	0.0015	I	ug/L	P440702	
		Sucralose	0.010	U	ug/L	P440694	
		Benzovindiflupyr	0.0020	U	ug/L	P440702	
		Carbamazepine	8.0E-04	U	ug/L	P440702	
		Clothianidin	0.0050	I	ug/L	P440702	
		Dinotefuran	0.0020	U	ug/L	P440702	
		Diuron	0.0020	U	ug/L	P440702	
		Fenuron	0.032	U	ug/L	P440702	
		Fluridone	8.0E-04	U	ug/L	P440702	
		Imazapyr	0.0084	I	ug/L	P440702	
		Hydrocodone	0.0020	U	ug/L	P440702	
		Ibuprofen	0.080	U	ug/L	P440702	RPD
		Imidacloprid	0.0020	U	ug/L	P440702	
		Linuron	0.0040	U	ug/L	P440702	
		Mandestrobin	0.0020	U	ug/L	P440702	
		MCPP	0.0020	U	ug/L	P440702	
		Naproxen	0.0080	U	ug/L	P440702	
		Primidone	0.0040	U	ug/L	P440702	
		Pyraclostrobin	0.0020	U	ug/L	P440702	
		Silvex	0.0040	U	ug/L	P440702	
		Thiamethoxam	0.0020	U	ug/L	P440702	

Field ID: G5SE0144

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464576	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P440702	
		Triclopyr	0.0040	U	ug/L	P440702	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: LATERAL C CANAL NEAR 69TH ST

Collection Date/Time: 01/30/2024 11:00

Field ID: G5SE0141

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464537	DEP SOP: NU-094-1	Color (true)	40	A	PCU	P440734	
	EPA 180.1 Rev. 2.0	Turbidity	2.9		NTU	P440730	
	EPA 300.0 Rev. 2.1	Chloride	530		mg Cl/L	P441023	
		Sulfate	140		mg SO4/L	P441026	
	SM 2320 B-2011	Total Alkalinity	210		mg CaCO3/L	P440908	
	SM 2540 C-2015	TDS	1.21E+03		mg/L	P441271	
	SM 2540 D-2015	TSS	4	I	mg/L	P441047	
2464538	SM 4500-F- C-2011	Fluoride	0.38		mg F/L	P440911	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.054		mg N/L	P441063	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.69		mg N/L	P440802	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.12		mg N/L	P440948	
	EPA 365.1 Rev. 2.0	Total-P	0.066		mg P/L	P440864	
2464577	SM 5310 B-2014	Organic Carbon	10		mg C/L	P440884	
	EPA 8321B	2,4-D	0.0020	U	ug/L	P440702	
		Acesulfame K	0.10	U	ug/L	P440694	
		2,4,5-T	0.0040	U	ug/L	P440702	
		AMPA	0.10	U	ug/L	P440694	
		Acetaminophen	0.0080	U	ug/L	P440702	
		Acetamiprid	0.0020	U	ug/L	P440702	
		Endothall	0.25	U	ug/L	P440694	
		Glufosinate	0.10	U	ug/L	P440694	
		Glyphosate	0.10	U	ug/L	P440694	
		Afidopyropen	0.0020	U	ug/L	P440702	
		Bentazon	8.0E-04	U	ug/L	P440702	
		Sucralose	0.010	U	ug/L	P440694	
		Benzovindiflupyr	0.0020	U	ug/L	P440702	
		Carbamazepine	8.0E-04	U	ug/L	P440702	
		Clothianidin	0.0020	U	ug/L	P440702	
		Dinotefuran	0.0020	U	ug/L	P440702	
		Diuron	0.0020	U	ug/L	P440702	
		Fenuron	0.032	U	ug/L	P440702	
		Fluridone	8.0E-04	U	ug/L	P440702	
		Imazapyr	0.011	I	ug/L	P440702	
		Hydrocodone	0.0020	U	ug/L	P440702	
		Ibuprofen	0.080	U	ug/L	P440702	RPD
		Imidacloprid	0.0089		ug/L	P440702	
		Linuron	0.0040	U	ug/L	P440702	
		Mandestrobin	0.0020	U	ug/L	P440702	
		MCPP	0.0020	U	ug/L	P440702	
		Naproxen	0.0080	U	ug/L	P440702	
		Primidone	0.0040	U	ug/L	P440702	
		Pyraclostrobin	0.0020	U	ug/L	P440702	
		Silvex	0.0040	U	ug/L	P440702	
		Thiamethoxam	0.0020	U	ug/L	P440702	

Field ID: G5SE0141

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464577	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P440702	
		Triclopyr	0.0040	U	ug/L	P440702	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: VERO NORTH CANAL AT 66TH AVE

Collection Date/Time: 01/30/2024 11:30

Field ID: G5SE0069

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464527	DEP SOP: NU-094-1	Color (true)	40		PCU	P440734	
	EPA 180.1 Rev. 2.0	Turbidity	2.6	A	NTU	P440730	
	EPA 300.0 Rev. 2.1	Chloride	370		mg Cl/L	P441023	
		Sulfate	100		mg SO4/L	P441026	
	SM 2320 B-2011	Total Alkalinity	221		mg CaCO3/L	P440908	
	SM 2540 C-2015	TDS	874		mg/L	P441271	
	SM 2540 D-2015	TSS	3	I	mg/L	P441047	
	SM 4500-F- C-2011	Fluoride	0.53		mg F/L	P440911	
2464528	EPA 350.1 Rev. 2.0	Ammonia-N	0.038		mg N/L	P441062	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.69		mg N/L	P441365	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.17		mg N/L	P440946	
	EPA 365.1 Rev. 2.0	Total-P	0.12		mg P/L	P440838	
	SM 5310 B-2014	Organic Carbon	11		mg C/L	P440884	
2464571	EPA 8321B	Aldicarb	0.020	U	ug/L	P440845	
		Aldicarb Sulfone	0.0020	U	ug/L	P440845	
		Aldicarb Sulfoxide	0.0020	UJ	ug/L	P440845	MS
		Carbaryl	0.0020	U	ug/L	P440845	
		Carbofuran	0.0020	U	ug/L	P440845	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P440845	
		Methiocarb	0.0020	U	ug/L	P440845	
		Methomyl	0.0020	U	ug/L	P440845	
		Oxamyl	0.0020	U	ug/L	P440845	
		Propoxur	0.0020	U	ug/L	P440845	
2464572		2,4-D	0.047		ug/L	P440692	
		Acesulfame K	0.10	U	ug/L	P440589	
		2,4,5-T	0.0040	U	ug/L	P440692	
		AMPA	3.4		ug/L	P440589	
		Acetaminophen	0.0080	U	ug/L	P440692	
		Acetamiprid	0.0020	U	ug/L	P440692	
		Endothall	0.25	U	ug/L	P440589	
		Glufosinate	0.10	U	ug/L	P440589	
		Glyphosate	5.6		ug/L	P440589	
		Afidopyropen	0.0020	U	ug/L	P440692	
		Bentazon	0.041		ug/L	P440692	
		Sucralose	0.040		ug/L	P440589	
		Benzovindiflupyr	0.0020	U	ug/L	P440692	
		Carbamazepine	8.0E-04	U	ug/L	P440692	
		Clothianidin	0.0020	U	ug/L	P440692	
		Dinotefuran	0.0034	I	ug/L	P440692	
		Diuron	0.0020	U	ug/L	P440692	
		Fenuron	0.032	U	ug/L	P440692	
		Fluridone	8.0E-04	U	ug/L	P440692	
		Imazapyr	0.060		ug/L	P440692	
		Hydrocodone	0.0020	U	ug/L	P440692	

Field ID: G5SE0069

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464572	EPA 8321B	Ibuprofen	0.080	U	ug/L	P440692	
		Imidacloprid	0.0020	U	ug/L	P440692	
		Linuron	0.0040	U	ug/L	P440692	
		Mandestrobin	0.0020	U	ug/L	P440692	
		MCPP	0.0020	U	ug/L	P440692	
		Naproxen	0.0080	U	ug/L	P440692	
		Primidone	0.0040	U	ug/L	P440692	
		Pyraclostrobin	0.0020	U	ug/L	P440692	
		Silvex	0.0040	U	ug/L	P440692	
		Thiamethoxam	0.0020	U	ug/L	P440692	
		Tolfenpyrad	0.0020	U	ug/L	P440692	
		Triclopyr	0.0040	U	ug/L	P440692	
2464584	EPA 8270E	Aldrin	0.69	U	ng/L	P440746	
		Alpha-BHC	0.11	U	ng/L	P440746	
		Alpha-Chlordane	0.21	U	ng/L	P440746	
		PCB-1016	2.1	U	ng/L	P440746	
		Beta-BHC	0.11	U	ng/L	P440746	
		PCB-1221	2.1	U	ng/L	P440746	
		Beta-Cyfluthrin	1.3	U	ng/L	P440746	
		PCB-1232	2.1	U	ng/L	P440746	
		Bifenthrin	1.4	I	ng/L	P440746	
		PCB-1242	2.1	U	ng/L	P440746	
		PCB-1248	2.1	U	ng/L	P440746	
		Chlorothalonil	3.8	U	ng/L	P440746	
		PCB-1254	2.1	U	ng/L	P440746	
		Cis-Nonachlor	0.21	UJ	ng/L	P440746	CCV, RPD
		PCB-1260	2.1	U	ng/L	P440746	
		Cypermethrin	1.6	U	ng/L	P440746	
		Dacthal	0.16	U	ng/L	P440746	
		DDD-p,p'	0.26	U	ng/L	P440746	
		DDE-p,p'	0.21	U	ng/L	P440746	
		DDT-p,p'	0.85	U	ng/L	P440746	
		Delta-BHC	0.42	U	ng/L	P440746	
		Deltamethrin	1.3	U	ng/L	P440746	
		Dichlobenil	0.26	U	ng/L	P440746	
		Dicofol	1.3	U	ng/L	P440746	
		Dieldrin	0.42	U	ng/L	P440746	
		Endosulfan I	0.42	U	ng/L	P440746	
		Endosulfan II	0.95	U	ng/L	P440746	
		Endosulfan Sulfate	0.32	U	ng/L	P440746	
		Endrin	0.95	U	ng/L	P440746	
		Endrin Aldehyde	0.79	UJ	ng/L	P440746	CCV
		Endrin Ketone	0.42	UJ	ng/L	P440746	CCV
		Esfenvalerate	0.79	U	ng/L	P440746	
		Ethalfuralin	0.16	U	ng/L	P440746	

Field ID: G5SE0069

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464584	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P440746	
		Gamma-BHC	0.13	U	ng/L	P440746	
		Gamma-Chlordane	0.21	U	ng/L	P440746	
		Heptachlor	0.21	U	ng/L	P440746	RPD
		Heptachlor Epoxide	0.26	UJ	ng/L	P440746	LCS
		Hexachlorobenzene**	1.1	U	ng/L	P440746	
		Kepone	14	U	ng/L	P440746	
		Lambda-Cyhalothrin	0.79	U	ng/L	P440746	
		Methoprene	0.79	U	ng/L	P440746	
		Methoxychlor	0.32	U	ng/L	P440746	
		MGK-264	0.21	U	ng/L	P440746	
		Mirex	0.37	U	ng/L	P440746	
		Oxychlordane	0.32	U	ng/L	P440746	
		Permethrin	1.7	U	ng/L	P440746	
		Phenothrin	0.95	U	ng/L	P440746	
		Piperonyl Butoxide	0.29	I	ng/L	P440746	
		Prallethrin	2.1	U	ng/L	P440746	
		Tau-Fluvalinate	0.26	U	ng/L	P440746	
		Tetramethrin	0.79	U	ng/L	P440746	
		Trans-Nonachlor	0.21	U	ng/L	P440746	
		Triclosan Methyl	0.16	U	ng/L	P440746	
		Trifluralin	0.21	U	ng/L	P440746	
	EPA 8276	Chlordane	2.1	U	ng/L	P440746	
		Toxaphene	16	U	ng/L	P440746	
2464585	EPA 8270E	Oxybenzone**	11	U	ng/L	P440627	
		Acetochlor	0.21	U	ng/L	P440627	
		Octinoxate**	160	U	ng/L	P440627	
		Alachlor	0.42	U	ng/L	P440627	
		Avobenzone**	110	U	ng/L	P440627	
		Ametryn	1.2	U	ng/L	P440627	
		Atrazine	2.5	J	ng/L	P440627	LCS
		PBDE-47**	4.2	U	ng/L	P440627	
		Atrazine Desethyl	1.4	U	ng/L	P440627	
		PBDE-99**	5.3	U	ng/L	P440627	
		Azinphos Methyl	3.2	U	ng/L	P440627	
		Tri-o-cresyl Phosphate**	6.3	U	ng/L	P440627	
		Azoxystrobin	0.42	U	ng/L	P440627	
		Bromacil	9.3		ng/L	P440627	
		2-Ethylhexyl	13	U	ng/L	P440627	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.47	U	ng/L	P440627	RPD
		Dechlorane Plus**	32	U	ng/L	P440627	
		Caffeine**	7.9	U	ng/L	P440627	
		Dechlorane 602**	5.3	U	ng/L	P440627	
		Carbophenothion	0.53	U	ng/L	P440627	

Field ID: G5SE0069

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464585	EPA 8270E	Dechlorane 603**	4.2	U	ng/L	P440627	
		Carfentrazone Ethyl	0.16	U	ng/L	P440627	
		Hexabromobenzene**	6.3	U	ng/L	P440627	
		Chlorfenapyr	0.32	U	ng/L	P440627	
		PBB-153**	6.3	U	ng/L	P440627	
		Chlorpyrifos Ethyl	0.32	U	ng/L	P440627	
		Pentabromotoluene**	3.2	U	ng/L	P440627	
		Chlorpyrifos Methyl	0.11	U	ng/L	P440627	
		Tris(2-chloroethyl) phosphate (TCEP)**	58	U	ng/L	P440627	
		Coumaphos	1.1	U	ng/L	P440627	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	26	U	ng/L	P440627	
		Cyanazine	5.3	U	ng/L	P440627	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	U	ng/L	P440627	
		Cyprodinil	0.21	U	ng/L	P440627	
		Tetradecachloro-m-terphenyl**	7.9	U	ng/L	P440627	
		Demeton	3.7	U	ng/L	P440627	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	63	U	ng/L	P440627	
		Diazinon	0.13	U	ng/L	P440627	
		Difenoconazole	0.63	U	ng/L	P440627	
		Dimethenamid	0.11	U	ng/L	P440627	
		Dimethomorph	0.32	U	ng/L	P440627	
		Disulfoton	0.63	U	ng/L	P440627	
		Dithiopyr	1.1	U	ng/L	P440627	
		EPTC	0.53	U	ng/L	P440627	RPD
		Ethion	0.32	U	ng/L	P440627	
		Ethoprop	0.13	U	ng/L	P440627	
		Etridiazole	0.11	U	ng/L	P440627	
		Fenamiphos	0.47	U	ng/L	P440627	
		Fenbuconazole	0.53	U	ng/L	P440627	
		Fipronil	0.21	UJ	ng/L	P440627	LCS
		Fipronil Desulfinyl**	0.11	U	ng/L	P440627	
		Fipronil Sulfide	0.16	I	ng/L	P440627	
		Fipronil Sulfone	0.33	I	ng/L	P440627	
		Fluazifop-P-butyl	0.11	U	ng/L	P440627	
		Fludioxonil	0.11	U	ng/L	P440627	
		Flumioxazin	3.2	U	ng/L	P440627	
		Flutolanil	0.11	U	ng/L	P440627	
		Fluxapyroxad	0.26	U	ng/L	P440627	
		Fonofos	0.16	U	ng/L	P440627	
		Hexazinone	0.53	U	ng/L	P440627	
		Imazalil	0.68	U	ng/L	P440627	
		Iprodione	0.62	I	ng/L	P440627	
		Loratadine**	0.32	U	ng/L	P440627	
		Malathion	0.37	U	ng/L	P440627	

Field ID: G5SE0069

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464585	EPA 8270E	Metalaxyl	1.8	I	ng/L	P440627	
		Metolachlor	0.79	U	ng/L	P440627	
		Metribuzin	0.42	U	ng/L	P440627	
		Mevinphos	1.1	U	ng/L	P440627	
		Molinate	0.26	U	ng/L	P440627	
		Myclobutanil	0.37	U	ng/L	P440627	
		Naled	2.6	U	ng/L	P440627	
		Napropamide	0.74	U	ng/L	P440627	
		Norflurazon	22		ng/L	P440627	
		Oxadiazon	1.6	I	ng/L	P440627	
		Oxyfluorfen	0.21	U	ng/L	P440627	
		Parathion Ethyl	0.16	UJ	ng/L	P440627	LCS
		Parathion Methyl	0.21	U	ng/L	P440627	
		Pendimethalin	1.8	U	ng/L	P440627	
		Phenytain**	5.6	U	ng/L	P440627	
		Phorate	0.26	U	ng/L	P440627	
		Prodiamine	0.21	U	ng/L	P440627	
		Prometon	3.2	U	ng/L	P440627	
		Prometryn	0.37	U	ng/L	P440627	
		Pronamide	0.11	U	ng/L	P440627	
		Propanil	0.11	U	ng/L	P440627	
		Propargite	0.84	U	ng/L	P440627	
		Propiconazole	0.63	U	ng/L	P440627	
		Pyraflufen Ethyl	0.32	U	ng/L	P440627	
		Pyridaben	1.5	U	ng/L	P440627	
		Pyriproxyfen	0.26	U	ng/L	P440627	
		Simazine	0.26	U	ng/L	P440627	
		Stirophos	0.42	U	ng/L	P440627	
		Sulfentrazone	1.5	U	ng/L	P440627	
		Tebuconazole	1.5	U	ng/L	P440627	
		Terbufos	0.21	U	ng/L	P440627	
		Terbutylazine	0.21	U	ng/L	P440627	
		Thiobencarb	0.53	U	ng/L	P440627	
		Triadimefon	0.16	U	ng/L	P440627	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.
EPA 8321B: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464539	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P440734	MS
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P440730	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P441602	
		Sulfate	0.20	U	mg SO4/L	P441172	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P440908	
	SM 2540 C-2015	TDS	15	U	mg/L	P441269	
	SM 2540 D-2015	TSS	2	U	mg/L	P441045	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P440911	
2464540	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P441063	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P440802	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P440948	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P440864	
	SM 5310 B-2014	Organic Carbon	0.50	U	mg C/L	P440884	
2464578	EPA 8321B	Aldicarb	0.020	U	ug/L	P440845	
		Aldicarb Sulfone	0.0020	U	ug/L	P440845	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P440845	
		Carbaryl	0.0020	U	ug/L	P440845	
		Carbofuran	0.0020	U	ug/L	P440845	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P440845	
		Methiocarb	0.0020	U	ug/L	P440845	
		Methomyl	0.0020	U	ug/L	P440845	
		Oxamyl	0.0020	U	ug/L	P440845	
2464579		Propoxur	0.0020	U	ug/L	P440845	
		2,4-D	0.0020	U	ug/L	P440702	
		Acesulfame K	0.10	U	ug/L	P440694	
		2,4,5-T	0.0040	U	ug/L	P440702	
		AMPA	0.10	U	ug/L	P440694	
		Acetaminophen	0.0080	U	ug/L	P440702	
		Acetamiprid	0.0020	U	ug/L	P440702	
		Endothall	0.25	U	ug/L	P440694	
		Glufosinate	0.10	U	ug/L	P440694	
		Glyphosate	0.10	U	ug/L	P440694	
		Afidopyropen	0.0020	U	ug/L	P440702	
		Bentazon	8.0E-04	U	ug/L	P440702	
		Sucralose	0.010	U	ug/L	P440694	
		Benzovindiflupyr	0.0020	U	ug/L	P440702	
		Carbamazepine	8.0E-04	U	ug/L	P440702	
		Clothianidin	0.0020	U	ug/L	P440702	
		Dinotefuran	0.0020	U	ug/L	P440702	
		Diuron	0.0020	U	ug/L	P440702	
		Fenuron	0.032	U	ug/L	P440702	
		Fluridone	8.0E-04	U	ug/L	P440702	
Imazapyr	0.0040	U	ug/L	P440702			
	Hydrocodone	0.0020	U	ug/L	P440702		

Field ID: FB_01302024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464579	EPA 8321B	Ibuprofen	0.080	U	ug/L	P440702	RPD
		Imidacloprid	0.0020	U	ug/L	P440702	
		Linuron	0.0040	U	ug/L	P440702	
		Mandestrobin	0.0020	U	ug/L	P440702	
		MCP	0.0020	U	ug/L	P440702	
		Naproxen	0.0080	U	ug/L	P440702	
		Primidone	0.0040	U	ug/L	P440702	
		Pyraclostrobin	0.0020	U	ug/L	P440702	
		Silvex	0.0040	U	ug/L	P440702	
		Thiamethoxam	0.0020	U	ug/L	P440702	
		Tolfenpyrad	0.0020	U	ug/L	P440702	
		Triclopyr	0.0040	U	ug/L	P440702	
2464586	EPA 8270E	Aldrin	0.67	U	ng/L	P440746	CCV, RPD
		Alpha-BHC	0.10	U	ng/L	P440746	
		Alpha-Chlordane	0.21	U	ng/L	P440746	
		PCB-1016	2.1	U	ng/L	P440746	
		Beta-BHC	0.10	U	ng/L	P440746	
		PCB-1221	2.1	U	ng/L	P440746	
		Beta-Cyfluthrin	1.3	U	ng/L	P440746	
		PCB-1232	2.1	U	ng/L	P440746	
		Bifenthrin	0.51	U	ng/L	P440746	
		PCB-1242	2.1	U	ng/L	P440746	
		PCB-1248	2.1	U	ng/L	P440746	
		Chlorothalonil	3.7	U	ng/L	P440746	
		PCB-1254	2.1	U	ng/L	P440746	
		Cis-Nonachlor	0.21	UJ	ng/L	P440746	
		PCB-1260	2.1	U	ng/L	P440746	
		Cypermethrin	1.5	U	ng/L	P440746	
		Dacthal	0.15	U	ng/L	P440746	
		DDD-p,p'	0.26	U	ng/L	P440746	
		DDE-p,p'	0.21	U	ng/L	P440746	
		DDT-p,p'	0.82	U	ng/L	P440746	
		Delta-BHC	0.41	U	ng/L	P440746	
		Deltamethrin	1.3	U	ng/L	P440746	
		Dichlobenil	0.26	U	ng/L	P440746	
		Dicofol	1.3	U	ng/L	P440746	
		Dieldrin	0.41	U	ng/L	P440746	
		Endosulfan I	0.41	U	ng/L	P440746	
		Endosulfan II	0.93	U	ng/L	P440746	
		Endosulfan Sulfate	0.31	U	ng/L	P440746	
		Endrin	0.93	U	ng/L	P440746	
		Endrin Aldehyde	0.77	UJ	ng/L	P440746	CCV
		Endrin Ketone	0.41	UJ	ng/L	P440746	CCV
		Esfenvalerate	0.77	U	ng/L	P440746	
		Ethalfuralin	0.15	U	ng/L	P440746	

Field ID: FB_01302024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464586	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P440746	
		Gamma-BHC	0.13	U	ng/L	P440746	
		Gamma-Chlordane	0.21	U	ng/L	P440746	
		Heptachlor	0.21	U	ng/L	P440746	RPD
		Heptachlor Epoxide	0.26	UJ	ng/L	P440746	LCS
		Hexachlorobenzene**	1.0	U	ng/L	P440746	
		Kepone	14	U	ng/L	P440746	
		Lambda-Cyhalothrin	0.77	U	ng/L	P440746	
		Methoprene	0.77	U	ng/L	P440746	
		Methoxychlor	0.31	U	ng/L	P440746	
		MGK-264	0.21	U	ng/L	P440746	
		Mirex	0.36	U	ng/L	P440746	
		Oxychlordane	0.31	U	ng/L	P440746	
		Permethrin	1.6	U	ng/L	P440746	
		Phenothrin	0.93	U	ng/L	P440746	
		Piperonyl Butoxide	0.15	U	ng/L	P440746	
		Prallethrin	2.1	U	ng/L	P440746	
		Tau-Fluvalinate	0.26	U	ng/L	P440746	
		Tetramethrin	0.77	U	ng/L	P440746	
		Trans-Nonachlor	0.21	U	ng/L	P440746	
		Triclosan Methyl	0.15	U	ng/L	P440746	
		Trifluralin	0.21	U	ng/L	P440746	
		Chlordane	2.1	U	ng/L	P440746	
		Toxaphene	15	U	ng/L	P440746	
2464587	EPA 8270E	Oxybenzone**	10	U	ng/L	P440627	
		Acetochlor	0.21	U	ng/L	P440627	
		Octinoxate**	150	U	ng/L	P440627	
		Alachlor	0.41	U	ng/L	P440627	
		Avobenzone**	100	U	ng/L	P440627	
		Ametryn	1.1	U	ng/L	P440627	
		Atrazine	0.21	UJ	ng/L	P440627	LCS
		PBDE-47**	4.1	U	ng/L	P440627	
		Atrazine Desethyl	1.3	U	ng/L	P440627	
		PBDE-99**	5.1	U	ng/L	P440627	
		Azinphos Methyl	3.1	U	ng/L	P440627	
		Tri-o-cresyl Phosphate**	6.2	U	ng/L	P440627	
		Azoxystrobin	0.41	U	ng/L	P440627	
		Bromacil	0.62	U	ng/L	P440627	
		2-Ethylhexyl	12	U	ng/L	P440627	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.46	U	ng/L	P440627	RPD
		Dechlorane Plus**	31	U	ng/L	P440627	
		Caffeine**	7.7	U	ng/L	P440627	
		Dechlorane 602**	5.1	U	ng/L	P440627	
		Carbophenothion	0.51	U	ng/L	P440627	

Field ID: FB_01302024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464587	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P440627	
		Carfentrazone Ethyl	0.15	U	ng/L	P440627	
		Hexabromobenzene**	6.2	U	ng/L	P440627	
		Chlorfenapyr	0.31	U	ng/L	P440627	
		PBB-153**	6.2	U	ng/L	P440627	
		Chlorpyrifos Ethyl	0.31	U	ng/L	P440627	
		Pentabromotoluene**	3.1	U	ng/L	P440627	
		Chlorpyrifos Methyl	0.10	U	ng/L	P440627	
		Tris(2-chloroethyl) phosphate (TCEP)**	57	U	ng/L	P440627	
		Coumaphos	1.1	U	ng/L	P440627	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	26	U	ng/L	P440627	
		Cyanazine	5.1	U	ng/L	P440627	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	U	ng/L	P440627	
		Cyprodinil	0.21	U	ng/L	P440627	
		Tetradecachloro-m-terphenyl**	7.7	U	ng/L	P440627	
		Demeton	3.6	U	ng/L	P440627	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	62	U	ng/L	P440627	
		Diazinon	0.13	U	ng/L	P440627	
		Difenoconazole	0.62	U	ng/L	P440627	
		Dimethenamid	0.10	U	ng/L	P440627	
		Dimethomorph	0.31	U	ng/L	P440627	
		Disulfoton	0.62	U	ng/L	P440627	
		Dithiopyr	1.0	U	ng/L	P440627	
		EPTC	0.51	U	ng/L	P440627	RPD
		Ethion	0.31	U	ng/L	P440627	
		Ethoprop	0.13	U	ng/L	P440627	
		Etridiazole	0.10	U	ng/L	P440627	
		Fenamiphos	0.46	U	ng/L	P440627	
		Fenbuconazole	0.51	U	ng/L	P440627	
		Fipronil	0.21	UJ	ng/L	P440627	LCS
		Fipronil Desulfinyl**	0.10	U	ng/L	P440627	
		Fipronil Sulfide	0.10	U	ng/L	P440627	
		Fipronil Sulfone	0.10	U	ng/L	P440627	
		Fluazifop-P-butyl	0.10	U	ng/L	P440627	
		Fludioxonil	0.10	U	ng/L	P440627	
		Flumioxazin	3.1	U	ng/L	P440627	
		Flutolanil	0.10	U	ng/L	P440627	
		Fluxapyroxad	0.26	U	ng/L	P440627	
		Fonofos	0.15	U	ng/L	P440627	
		Hexazinone	0.51	U	ng/L	P440627	
		Imazalil	0.67	U	ng/L	P440627	
		Iprodione	0.51	U	ng/L	P440627	
		Loratadine**	0.31	U	ng/L	P440627	
		Malathion	0.36	U	ng/L	P440627	

Field ID: FB_01302024

Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464587	EPA 8270E	Metalaxyl	0.51	U	ng/L	P440627	
		Metolachlor	0.77	U	ng/L	P440627	
		Metribuzin	0.41	U	ng/L	P440627	
		Mevinphos	1.0	U	ng/L	P440627	
		Molinate	0.26	U	ng/L	P440627	
		Myclobutanil	0.36	U	ng/L	P440627	
		Naled	2.6	U	ng/L	P440627	
		Napropamide	0.72	U	ng/L	P440627	
		Norflurazon	1.0	U	ng/L	P440627	
		Oxadiazon	0.36	U	ng/L	P440627	
		Oxyfluorfen	0.21	U	ng/L	P440627	
		Parathion Ethyl	0.15	UJ	ng/L	P440627	LCS
		Parathion Methyl	0.21	U	ng/L	P440627	
		Pendimethalin	1.7	U	ng/L	P440627	
		Phenytain**	5.5	U	ng/L	P440627	
		Phorate	0.26	U	ng/L	P440627	
		Prodiamine	0.21	U	ng/L	P440627	
		Prometon	3.1	U	ng/L	P440627	
		Prometryn	0.36	U	ng/L	P440627	
		Pronamide	0.10	U	ng/L	P440627	
		Propanil	0.10	U	ng/L	P440627	
		Propargite	0.82	U	ng/L	P440627	
		Propiconazole	0.62	U	ng/L	P440627	
		Pyraflufen Ethyl	0.31	U	ng/L	P440627	
		Pyridaben	1.4	U	ng/L	P440627	
		Pyriproxyfen	0.26	U	ng/L	P440627	
		Simazine	0.26	U	ng/L	P440627	
		Stirophos	0.41	U	ng/L	P440627	
		Sulfentrazone	1.4	U	ng/L	P440627	
		Tebuconazole	1.4	U	ng/L	P440627	
		Terbufos	0.21	U	ng/L	P440627	
		Terbutylazine	0.21	U	ng/L	P440627	
		Thiobencarb	0.51	U	ng/L	P440627	
		Triadimefon	0.15	U	ng/L	P440627	

Ref. Method and Comment:

SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.

SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: MAIN CANAL AT KINGS HIGHWAY

Collection Date/Time: 01/30/2024 12:05

Field ID: G5SE0115

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464531	DEP SOP: NU-094-1	Color (true)	68		PCU	P440734	
	EPA 180.1 Rev. 2.0	Turbidity	6.5		NTU	P440730	
	EPA 300.0 Rev. 2.1	Chloride	320		mg Cl/L	P441023	
		Sulfate	77		mg SO4/L	P441026	
	SM 2320 B-2011	Total Alkalinity	192		mg CaCO3/L	P440908	
	SM 2540 C-2015	TDS	762		mg/L	P441271	
	SM 2540 D-2015	TSS	4	I	mg/L	P441047	
2464532	SM 4500-F- C-2011	Fluoride	0.40		mg F/L	P440911	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.13		mg N/L	P441062	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.88		mg N/L	P440802	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.25		mg N/L	P440946	
	EPA 365.1 Rev. 2.0	Total-P	0.074		mg P/L	P440864	
2464574	SM 5310 B-2014	Organic Carbon	13		mg C/L	P440884	
	EPA 8321B	2,4-D	0.053		ug/L	P440702	
		Acesulfame K	0.10	U	ug/L	P440589	
		2,4,5-T	0.0040	U	ug/L	P440702	
		AMPA	1.1		ug/L	P440589	
		Acetaminophen	0.0080	U	ug/L	P440702	
		Acetamiprid	0.0020	U	ug/L	P440702	
		Endothall	0.25	U	ug/L	P440589	
		Glufosinate	0.10	U	ug/L	P440589	
		Glyphosate	2.8		ug/L	P440589	
		Afidopyropen	0.0020	U	ug/L	P440702	
		Bentazon	0.0065		ug/L	P440702	
		Sucralose	2.3		ug/L	P440589	
		Benzovindiflupyr	0.0020	U	ug/L	P440702	
		Carbamazepine	0.0041		ug/L	P440702	
		Clothianidin	0.0020	U	ug/L	P440702	
		Dinotefuran	0.0020	U	ug/L	P440702	
		Diuron	0.0028	I	ug/L	P440702	
		Fenuron	0.032	U	ug/L	P440702	
		Fluridone	0.0072		ug/L	P440702	
		Imazapyr	0.17		ug/L	P440702	
		Hydrocodone	0.0020	U	ug/L	P440702	
		Ibuprofen	0.080	U	ug/L	P440702	RPD
		Imidacloprid	0.0063	I	ug/L	P440702	
		Linuron	0.0040	U	ug/L	P440702	
		Mandestrobin	0.0020	U	ug/L	P440702	
		MCPP	0.0020	U	ug/L	P440702	
		Naproxen	0.0080	U	ug/L	P440702	
		Primidone	0.029		ug/L	P440702	
		Pyraclostrobin	0.0020	U	ug/L	P440702	
		Silvex	0.0040	U	ug/L	P440702	
		Thiamethoxam	0.0020	U	ug/L	P440702	

Field ID: G5SE0115

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464574	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P440702	
		Triclopyr	0.0040	U	ug/L	P440702	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Sample Location: SOUTH CANAL AT 20TH AVE

Collection Date/Time: 01/30/2024 13:50

Field ID: G5SE0086

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464529	DEP SOP: NU-094-1	Color (true)	47		PCU	P440734	
	EPA 180.1 Rev. 2.0	Turbidity	6.2		NTU	P440730	
	EPA 300.0 Rev. 2.1	Chloride	350		mg Cl/L	P441023	
		Sulfate	79		mg SO4/L	P441026	
	SM 2320 B-2011	Total Alkalinity	211		mg CaCO3/L	P440908	
	SM 2540 C-2015	TDS	848		mg/L	P441271	
	SM 2540 D-2015	TSS	4	I	mg/L	P441047	
2464530	SM 4500-F- C-2011	Fluoride	0.42		mg F/L	P440911	
	EPA 350.1 Rev. 2.0	Ammonia-N	0.18		mg N/L	P441062	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.83		mg N/L	P440802	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.20		mg N/L	P440946	
	EPA 365.1 Rev. 2.0	Total-P	0.14		mg P/L	P440838	
2464573	SM 5310 B-2014	Organic Carbon	11		mg C/L	P440884	
	EPA 8321B	2,4-D	0.020		ug/L	P440692	
		Acesulfame K	0.10	U	ug/L	P440589	
		2,4,5-T	0.0040	U	ug/L	P440692	
		AMPA	1.3		ug/L	P440589	
		Acetaminophen	0.0080	U	ug/L	P440692	
		Acetamiprid	0.0020	U	ug/L	P440692	
		Endothall	0.25	U	ug/L	P440589	
		Glufosinate	0.10	U	ug/L	P440589	
		Glyphosate	2.4		ug/L	P440589	
		Afidopyropen	0.0020	U	ug/L	P440692	
		Bentazon	0.020		ug/L	P440692	
		Sucralose	0.33		ug/L	P440589	
		Benzovindiflupyr	0.0020	U	ug/L	P440692	
		Carbamazepine	8.7E-04	I	ug/L	P440692	
		Clothianidin	0.0020	U	ug/L	P440692	
		Dinotefuran	0.0020	U	ug/L	P440692	
		Diuron	0.0020	U	ug/L	P440692	
		Fenuron	0.032	U	ug/L	P440692	
		Fluridone	0.028		ug/L	P440692	
		Imazapyr	0.057		ug/L	P440692	
		Hydrocodone	0.0020	U	ug/L	P440692	
		Ibuprofen	0.080	U	ug/L	P440692	
		Imidacloprid	0.0050	I	ug/L	P440692	
		Linuron	0.0040	U	ug/L	P440692	
		Mandestrobin	0.0020	U	ug/L	P440692	
		MCPP	0.0020	U	ug/L	P440692	
		Naproxen	0.0080	U	ug/L	P440692	
		Primidone	0.0043	I	ug/L	P440692	
		Pyraclostrobin	0.0020	U	ug/L	P440692	
		Silvex	0.0040	U	ug/L	P440692	
		Thiamethoxam	0.0020	U	ug/L	P440692	

Field ID: G5SE0086

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2464573	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P440692	
		Triclopyr	0.0040	U	ug/L	P440692	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
SM 4500-F- C-2011: Batch matrix spike recoveries are unavailable because of high analyte concentration in the QC sample.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P440734

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P440730

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441023

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441026

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441172

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441602

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441062

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441063

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440754

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440802

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441365

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440946

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440838

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440864

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

Reference Method: EPA 8270E
Batch ID: P440627

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P440627

Component	Result	Code	Units
Chlorpyrifos Ethyl	0.30	U	ng/L
Chlorpyrifos Methyl	0.10	U	ng/L
Coumaphos	1.0	U	ng/L
Cyanazine	5.0	U	ng/L
Cyprodinil	0.20	U	ng/L
Dechlorane 602	5.0	U	ng/L
Dechlorane 603	4.0	U	ng/L
Dechlorane Plus	30	U	ng/L
Demeton	3.5	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.30	U	ng/L
Disulfoton	0.60	U	ng/L
Dithiopyr	1.0	U	ng/L
EPTC	0.50	U	ng/L
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	150	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P440627

Component	Result	Code	Units
PBB-153	6.0	U	ng/L
PBDE-47	4.0	U	ng/L
PBDE-99	5.0	U	ng/L
Pendimethalin	1.7	U	ng/L
Pentabromotoluene	3.0	U	ng/L
Phenytoin	5.3	U	ng/L
Phorate	0.25	U	ng/L
Prodiamine	0.20	U	ng/L
Prometon	3.0	U	ng/L
Prometryn	0.35	U	ng/L
Pronamide	0.10	U	ng/L
Propanil	0.10	U	ng/L
Propargite	0.80	U	ng/L
Propiconazole	0.60	U	ng/L
Pyraflufen Ethyl	0.30	U	ng/L
Pyridaben	1.4	U	ng/L
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbutylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	25	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	55	U	ng/L

Reference Method: EPA 8270E

Batch ID: P440746

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P440746

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

Reference Method: EPA 8276

Batch ID: P440746

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

Reference Method: EPA 8321B

Batch ID: P440589

Component	Result	Code	Units
Acesulfame K	0.10	U	ug/L
AMPA	0.10	U	ug/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B
Batch ID: P440589

Component	Result	Code	Units
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: P440692

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

Reference Method: EPA 8321B
Batch ID: P440694

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: P440702

Component	Result	Code	Units
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Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B

Batch ID: P440702

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

Reference Method: EPA 8321B

Batch ID: P440845

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: P440908

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

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 C-2015
Batch ID: P441269

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2015
Batch ID: P441271

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P441045

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P441047

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P440911

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P440884

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: P440734

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	102		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P440730

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441023

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441026

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441172

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441602

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441062

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	94.8		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441063

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440754

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440802

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441365

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440946

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440838

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440864

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

Reference Method: EPA 8270E
Batch ID: P440627

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	68.8		P	50 - 150
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	61.1		P	37 - 154
Acetochlor	69.2		P	64 - 124
Alachlor	62.6		P	61 - 118
Ametryn	91.2		P	47 - 158
Atrazine	62.6		F	68 - 121
Atrazine Desethyl	70.9		P	30 - 119
Avobenzone	84.2		P	48 - 193
Azinphos Methyl	130		P	30 - 194
Azoxystrobin	74.4		P	58 - 154
Bromacil	74.5		P	47 - 126
Butylate	41.8		P	31 - 83.0
Caffeine	91.8		P	10 - 180
Carbophenothion	88.6		P	59 - 133
Carfentrazone Ethyl	94.0		P	59 - 147
Chlorfenapyr	63.5		P	52 - 118

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P440627

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorpyrifos Ethyl	75.1		P	59 - 119
Chlorpyrifos Methyl	92.3		P	65 - 123
Coumaphos	102		P	11 - 223
Cyanazine	90.6		P	63 - 250
Cyprodinil	75.4		P	52 - 143
Dechlorane 602	63.8		P	23 - 142
Dechlorane 603	62.4		P	51 - 171
Dechlorane Plus	58.2		P	46 - 161
Demeton	53.9		P	42 - 119
Diazinon	83.2		P	67 - 132
Difenoconazole	119		P	12 - 204
Dimethenamid	78.1		P	53 - 113
Dimethomorph	117		P	13 - 238
Disulfoton	76.1		P	56 - 126
Dithiopyr	73.1		P	58 - 127
EPTC	33.5		P	31 - 78.0
Ethion	60.5		P	24 - 127
Ethoprop	64.2		P	60 - 118
Etridiazole	44.7		P	32 - 91.0
Fenamiphos	68.9		P	54 - 129
Fenbuconazole	63.4		P	31 - 162
Fipronil	55.4		F	56 - 131
Fipronil Desulfinyl	86.5		P	58 - 132
Fipronil Sulfide	74.3		P	51 - 123
Fipronil Sulfone	86.4		P	50 - 125
Fluazifop-P-butyl	80.4		P	52 - 132
Fludioxonil	76.3		P	52 - 129
Flumioxazin	154		P	34 - 250
Flutolanil	79.3		P	45 - 128
Fluxapyroxad	79.3		P	31 - 150
Fonofos	75.7		P	60 - 116
Hexabromobenzene	59.9		P	52 - 165
Hexazinone	69.8		P	59 - 120
Imazalil	65.2		P	39 - 134
Iprodione	74.0		P	39 - 243
Loratadine	100		P	10 - 240
Malathion	90.3		P	53 - 145
Metalaxyl	64.4		P	59 - 120
Metolachlor	78.8		P	64 - 122
Metribuzin	67.0		P	33 - 128
Mevinphos	79.4		P	48 - 119
Molinate	44.0		P	42 - 89.0
Myclobutanil	64.5		P	54 - 129
Naled	40.4		P	10 - 138
Napropamide	60.9		P	40 - 122
Norflurazon	82.4		P	49 - 132
Octinoxate	63.9		P	29 - 176
Oxadiazon	61.8		P	50 - 115
Oxybenzone	65.9		P	45 - 145
Oxyfluorfen	97.6		P	62 - 149
Parathion Ethyl	65.6		F	68 - 119
Parathion Methyl	78.3		P	68 - 147

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P440627

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PBB-153	60.1		P	42 - 179
PBDE-47	60.3		P	44 - 141
PBDE-99	64.1		P	36 - 141
Pendimethalin	102		P	59 - 158
Pentabromotoluene	60.2		P	58 - 148
Phenytoin	49.6		P	10 - 151
Phorate	69.3		P	44 - 124
Prodiamine	49.6		P	10 - 136
Prometon	80.0		P	45 - 131
Prometryn	74.3		P	52 - 140
Pronamide	82.5		P	70 - 129
Propanil	116		P	54 - 144
Propargite	40.3		P	10 - 191
Propiconazole	70.3		P	49 - 128
Pyraflufen Ethyl	83.9		P	46 - 141
Pyridaben	81.9		P	29 - 198
Pyriproxyfen	80.3		P	33 - 221
Simazine	68.4		P	62 - 119
Stirophos	69.3		P	13 - 144
Sulfentrazone	72.6		P	12 - 152
Tebuconazole	60.6		P	10 - 135
Terbufos	73.9		P	67 - 136
Terbuthylazine	68.8		P	66 - 113
Tetradecachloro-m-terphenyl	69.2		P	30 - 235
Thiobencarb	77.0		P	51 - 125
Tri-o-cresyl Phosphate	69.8		P	50 - 150
Triadimefon	62.2		P	57 - 118
Tris(1-chloro-2-propyl) phosphate (TCPP)	78.9		P	60 - 160
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	74.5		P	66 - 141
Tris(2-chloroethyl) phosphate (TCEP)	95.1		P	59 - 166

Reference Method: EPA 8270E

Batch ID: P440746

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	73.2		P	30 - 96.0
Alpha-BHC	87.9		P	70 - 109
Alpha-Chlordane	71.7		P	45 - 107
Beta-BHC	90.1		P	64 - 138
Beta-Cyfluthrin	129		P	17 - 141
Bifenthrin	70.9		P	10 - 113
Chlorothalonil	80.8		P	26 - 180
Cis-Nonachlor	74.0		P	37 - 102
Cypermethrin	92.1		P	20 - 133
Dacthal	80.7		P	69 - 114
DDD-p,p'	71.0		P	42 - 105
DDE-p,p'	80.0		P	42 - 106
DDT-p,p'	89.2		P	42 - 107
Delta-BHC	95.8		P	67 - 144
Deltamethrin	116		P	15 - 149
Dichlobenil	69.1		P	46 - 117
Dicofol	65.0		P	34 - 114

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P440746

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dieldrin	80.6		P	50 - 108
Endosulfan I	79.4		P	55 - 104
Endosulfan II	97.9		P	51 - 111
Endosulfan Sulfate	71.2		P	56 - 121
Endrin	79.1		P	10 - 106
Endrin Aldehyde	86.8		P	34 - 114
Endrin Ketone	101		P	63 - 177
Esfenvalerate	99.2		P	29 - 143
Ethalfuralin	73.2		P	46 - 96.0
Fenpropathrin	77.7		P	28 - 115
Gamma-BHC	111		P	65 - 121
Gamma-Chlordane	92.2		P	39 - 103
Heptachlor	88.9		P	39 - 94.0
Heptachlor Epoxide	112		F	54 - 104
Hexachlorobenzene	48.7		P	36 - 100
Kepone	76.1		P	10 - 225
Lambda-Cyhalothrin	85.1		P	10 - 135
Methoprene	104		P	10 - 109
Methoxychlor	88.7		P	52 - 112
MGK-264	81.7		P	44 - 117
Mirex	66.8		P	20 - 90.0
Oxychlordane	83.1		P	44 - 102
PCB-1016	72.8		P	45 - 107
PCB-1260	90.1		P	40 - 118
Permethrin	81.6		P	18 - 135
Phenothrin	65.4		P	10 - 102
Piperonyl Butoxide	90.9		P	28 - 156
Prallethrin	69.3		P	28 - 113
Tau-Fluvalinate	84.3		P	10 - 123
Tetramethrin	109		P	18 - 158
Trans-Nonachlor	79.2		P	39 - 104
Triclosan Methyl	101		P	54 - 108
Trifluralin	75.0		P	46 - 97.0

Reference Method: EPA 8276

Batch ID: P440746

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	112		P	52 - 117
Toxaphene	113		P	44 - 125

Reference Method: EPA 8321B

Batch ID: P440589

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	121		P	40 - 150
AMPA	114		P	40 - 160
Endothall	92.1		P	40 - 160
Glufosinate	95.9		P	40 - 160
Glyphosate	101		P	40 - 160
Sucralose	82.5		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P440692

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	93.9		P	40 - 150
2,4,5-T	103		P	40 - 150
Acetaminophen	86.4		P	30 - 150
Acetamiprid	84.1		P	40 - 150
Afidopyropen	68.1		P	30 - 150
Bentazon	81.9		P	30 - 150
Benzovindiflupyr	81.9		P	40 - 150
Carbamazepine	84.7		P	40 - 150
Clothianidin	91.9		P	40 - 150
Dinotefuran	100		P	40 - 150
Diuron	77.7		P	40 - 150
Fenuron	93.3		P	40 - 150
Fluridone	90.3		P	40 - 150
Hydrocodone	101		P	40 - 150
Ibuprofen	70.8		P	40 - 150
Imazapyr	86.6		P	40 - 150
Imidacloprid	89.6		P	40 - 150
Linuron	77.8		P	40 - 150
Mandestrobin	88.7		P	40 - 150
MCPP	83.4		P	40 - 150
Naproxen	70.5		P	40 - 150
Primidone	88.0		P	40 - 150
Pyraclostrobin	87.5		P	40 - 150
Silvex	82.1		P	40 - 150
Thiamethoxam	97.9		P	40 - 150
Tolfenpyrad	56.4		P	30 - 150
Triclopyr	112		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440694

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	128		P	40 - 150
AMPA	115		P	40 - 160
Endothall	102		P	40 - 160
Glufosinate	96.6		P	40 - 160
Glyphosate	113		P	40 - 160
Sucralose	86.1		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440702

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	98.9		P	40 - 150
2,4,5-T	104		P	40 - 150
Acetaminophen	85.8		P	30 - 150
Acetamiprid	75.8		P	40 - 150
Afidopyropen	59.5		P	30 - 150
Bentazon	79.7		P	30 - 150
Benzovindiflupyr	78.3		P	40 - 150
Carbamazepine	82.5		P	40 - 150
Clothianidin	88.8		P	40 - 150

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P440702

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Dinotefuran	95.7		P	40 - 150
Diuron	82.9		P	40 - 150
Fenuron	88.3		P	40 - 150
Fluridone	89.2		P	40 - 150
Hydrocodone	98.1		P	40 - 150
Ibuprofen	65.5		P	40 - 150
Imazapyr	86.5		P	40 - 150
Imidacloprid	84.2		P	40 - 150
Linuron	77.3		P	40 - 150
Mandestrobin	86.6		P	40 - 150
MCPP	94.4		P	40 - 150
Naproxen	73.5		P	40 - 150
Primidone	79.7		P	40 - 150
Pyraclostrobin	86.6		P	40 - 150
Silvex	92.4		P	40 - 150
Thiamethoxam	86.7		P	40 - 150
Tolfenpyrad	49.4		P	30 - 150
Triclopyr	105		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440845

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	67.3		P	40 - 150
Aldicarb	59.9		P	30 - 150
Aldicarb Sulfone	95.0		P	40 - 150
Aldicarb Sulfoxide	107		P	40 - 150
Carbaryl	78.8		P	40 - 150
Carbofuran	72.9		P	40 - 150
Methiocarb	67.4		P	40 - 150
Methomyl	93.7		P	40 - 150
Oxamyl	86.7		P	40 - 150
Propoxur	66.1		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P440908

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	97.7		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P441269

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	95.6		P	85 - 115

Reference Method: SM 2540 C-2015
Batch ID: P441271

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	103		P	85 - 115

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 2540 D-2015
Batch ID: P441045

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.0		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P441047

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	96.8		P	85 - 115

Reference Method: SM 4500-F- C-2011
Batch ID: P440911

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

Reference Method: SM 5310 B-2014
Batch ID: P440884

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

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441023

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464439	Chloride	99.8		P	90 - 110
2464519	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441026

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464439	Sulfate	96.3		P	90 - 110
2464519	Sulfate	99.3		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441172

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2465249	Sulfate	99.4		P	90 - 110
2465264	Sulfate	99.2		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441602

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2468448	Chloride	101		P	90 - 110
2468646	Chloride	99.7		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441062

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464474	Ammonia-N	100	100	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441063

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464534	Ammonia-N	95.2	96.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440754

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464442	Kjeldahl Nitrogen	104	99.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440802

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464561	Kjeldahl Nitrogen	104	107	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441365

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

Matrix Spike Accuracy

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441365

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464730	Kjeldahl Nitrogen	102	99.6	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440946

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464474	NO2NO3-N	96.5	98.0	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464538	NO2NO3-N	97.5	97.5	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440838

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464528	Total-P	106	108	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440864

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464536	Total-P	108	106	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P440627

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2465832	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	79.2	86.8	P/P	50 - 150
2465832	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	82.5	78.7	P/P	29 - 155
2465832	Acetochlor	75.3	99.6	P/P	60 - 124
2465832	Alachlor	76.8	83.9	P/P	54 - 122
2465832	Ametryn	88.6	107	P/P	51 - 208
2465832	Atrazine	72.5	73.1	P/P	57 - 131
2465832	Atrazine Desethyl	87.5	104	P/P	13 - 124
2465832	Avobenzone	105	106	P/P	35 - 187
2465832	Azinphos Methyl	167	169	P/P	43 - 276
2465832	Azoxystrobin	107	113	P/P	52 - 300
2465832	Bromacil	82.5	95.7	P/P	44 - 134
2465832	Butylate	32.7	61.3	P/P	23 - 82.0
2465832	Caffeine	150	201	P/P	10 - 277
2465832	Carbophenothion	102	104	P/P	47 - 135
2465832	Carfentrazone Ethyl	108	111	P/P	46 - 147
2465832	Chlorfenapyr	86.1	88.0	P/P	43 - 114
2465832	Chlorpyrifos Ethyl	80.7	97.8	P/P	47 - 124
2465832	Chlorpyrifos Methyl	95.4	107	P/P	60 - 135
2465832	Coumaphos	117	98.6	P/P	10 - 222
2465832	Cyanazine	107	112	P/P	10 - 257
2465832	Cyprodinil	89.9	93.1	P/P	42 - 148
2465832	Dechlorane 602	71.2	77.8	P/P	14 - 133

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P440627

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2465832	Dechlorane 603	77.4	72.6	P/P	18 - 191
2465832	Dechlorane Plus	68.7	69.9	P/P	23 - 154
2465832	Demeton	61.7	73.0	P/P	41 - 137
2465832	Diazinon	82.7	102	P/P	64 - 139
2465832	Difenoconazole	121	105	P/P	46 - 254
2465832	Dimethenamid	84.3	93.1	P/P	47 - 117
2465832	Dimethomorph	135	164	P/P	14 - 255
2465832	Disulfoton	90.6	114	P/P	52 - 130
2465832	Dithiopyr	88.4	92.8	P/P	40 - 121
2465832	EPTC	30.2	61.7	P/P	19 - 78.0
2465832	Ethion	53.5	75.5	P/P	12 - 124
2465832	Ethoprop	74.6	87.4	P/P	68 - 144
2465832	Etridiazole	45.8	69.5	P/P	26 - 96.0
2465832	Fenamiphos	102	108	P/P	41 - 129
2465832	Fenbuconazole	88.5	84.0	P/P	26 - 169
2465832	Fipronil	81.5	88.1	P/P	46 - 145
2465832	Fipronil Desulfinyl	94.2	101	P/P	47 - 136
2465832	Fipronil Sulfide	74.8	84.5	P/P	41 - 127
2465832	Fipronil Sulfone	95.1	94.5	P/P	35 - 133
2465832	Fluazifop-P-butyl	97.5	99.5	P/P	46 - 131
2465832	Fludioxonil	92.4	98.3	P/P	51 - 124
2465832	Flumioxazin	146	140	P/P	10 - 289
2465832	Flutolanil	74.9	84.5	P/P	34 - 130
2465832	Fluxapyroxad	79.7	79.8	P/P	10 - 197
2465832	Fonofos	80.7	98.6	P/P	42 - 131
2465832	Hexabromobenzene	79.3	76.2	P/P	47 - 178
2465832	Hexazinone	72.2	83.0	P/P	64 - 125
2465832	Imazalil	82.8	95.0	P/P	37 - 252
2465832	Iprodione	90.9	94.5	P/P	34 - 265
2465832	Loratadine	133	138	P/P	20 - 231
2465832	Malathion	88.1	107	P/P	34 - 164
2465832	Metalaxyl	65.3	73.8	P/P	49 - 125
2465832	Metolachlor	83.1	93.6	P/P	54 - 125
2465832	Metribuzin	81.7	78.2	P/P	51 - 139
2465832	Mevinphos	92.4	119	P/P	46 - 130
2465832	Molinate	43.0	60.6	P/P	39 - 93.0
2465832	Myclobutanil	80.0	91.5	P/P	50 - 130
2465832	Naled	45.3	64.3	P/P	10 - 150
2465832	Napropamide	70.1	85.9	P/P	10 - 109
2465832	Norflurazon	87.4	93.1	P/P	36 - 134
2465832	Octinoxate	75.0	80.9	P/P	18 - 170
2465832	Oxadiazon	69.6	74.5	P/P	43 - 112
2465832	Oxybenzone	80.3	86.3	P/P	33 - 154
2465832	Oxyfluorfen	99.2	110	P/P	62 - 154
2465832	Parathion Ethyl	77.6	89.6	P/P	65 - 120
2465832	Parathion Methyl	99.4	113	P/P	77 - 185
2465832	PBB-153	79.7	76.9	P/P	23 - 193
2465832	PBDE-47	58.4	66.7	P/P	31 - 139
2465832	PBDE-99	76.8	76.9	P/P	24 - 138
2465832	Pendimethalin	127	136	P/P	50 - 146
2465832	Pentabromotoluene	79.7	86.6	P/P	54 - 152
2465832	Phenytoln	52.4	66.7	P/P	10 - 157

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P440627

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2465832	Phorate	78.1	96.8	P/P	54 - 161
2465832	Prodiamine	60.6	57.8	P/P	29 - 160
2465832	Prometon	87.0	102	P/P	38 - 145
2465832	Prometryn	86.7	92.8	P/P	32 - 151
2465832	Pronamide	89.9	111	P/P	61 - 140
2465832	Propanil	144	132	P/P	50 - 147
2465832	Propargite	40.7	47.0	P/P	10 - 190
2465832	Propiconazole	76.2	67.6	P/P	30 - 146
2465832	Pyraflufen Ethyl	92.9	78.4	P/P	30 - 147
2465832	Pyridaben	116	111	P/P	15 - 195
2465832	Pyriproxyfen	83.7	89.9	P/P	31 - 218
2465832	Simazine	82.4	88.3	P/P	45 - 139
2465832	Stiropfos	72.6	83.7	P/P	10 - 134
2465832	Sulfentrazone	94.3	97.6	P/P	53 - 186
2465832	Tebuconazole	52.5	56.9	P/P	10 - 133
2465832	Terbufos	80.3	96.5	P/P	65 - 151
2465832	Terbutylazine	73.4	84.9	P/P	62 - 117
2465832	Tetradecachloro-m-terphenyl	96.7	119	P/P	10 - 260
2465832	Thiobencarb	90.2	95.0	P/P	48 - 122
2465832	Tri-o-cresyl Phosphate	84.6	88.4	P/P	32 - 151
2465832	Triadimefon	71.9	90.4	P/P	46 - 124
2465832	Tris(1-chloro-2-propyl) phosphate (TCPP)	116	113	P/P	51 - 154
2465832	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	99.7	102	P/P	59 - 147
2465832	Tris(2-chloroethyl) phosphate (TCEP)	120	127	P/P	65 - 156

Reference Method: EPA 8270E
Batch ID: P440746

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464603	PCB-1016	74.9	64.7	P/P	45 - 107
2464603	PCB-1260	93.7	84.8	P/P	40 - 112
2464765	Aldrin	61.8	79.5	P/P	24 - 81.0
2464765	Alpha-BHC	81.0	96.0	P/P	65 - 110
2464765	Alpha-Chlordane	57.4	76.4	P/P	43 - 119
2464765	Beta-BHC	75.9	84.9	P/P	54 - 165
2464765	Beta-Cyfluthrin	103	114	P/P	27 - 165
2464765	Bifenthrin	63.7	76.8	P/P	17 - 117
2464765	Chlorothalonil	69.2	94.0	P/P	10 - 255
2464765	Cis-Nonachlor	47.5	73.4	P/P	34 - 98.0
2464765	Cypermethrin	79.5	88.6	P/P	25 - 143
2464765	Dacthal	76.7	83.9	P/P	55 - 139
2464765	DDD-p,p'	67.7	77.0	P/P	30 - 109
2464765	DDE-p,p'	70.5	84.0	P/P	35 - 106
2464765	DDT-p,p'	67.7	81.9	P/P	41 - 101
2464765	Delta-BHC	83.7	101	P/P	58 - 165
2464765	Deltamethrin	93.6	116	P/P	10 - 194
2464765	Dichlobenil	65.2	68.3	P/P	22 - 114
2464765	Dicofol	56.7	65.8	P/P	17 - 133
2464765	Dieldrin	59.2	72.7	P/P	45 - 129
2464765	Endosulfan I	71.1	80.5	P/P	49 - 104
2464765	Endosulfan II	101	105	P/P	37 - 117
2464765	Endosulfan Sulfate	62.3	70.7	P/P	38 - 128

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P440746

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464765	Endrin	62.2	61.6	P/P	35 - 116
2464765	Endrin Aldehyde	42.1	40.2	P/P	19 - 108
2464765	Endrin Ketone	131	114	P/P	44 - 134
2464765	Esfenvalerate	77.0	102	P/P	27 - 176
2464765	Ethalfuralin	71.0	78.7	P/P	49 - 100
2464765	Fenpropathrin	64.6	78.1	P/P	34 - 117
2464765	Gamma-BHC	112	126	P/P	59 - 129
2464765	Gamma-Chlordane	68.8	81.6	P/P	33 - 107
2464765	Heptachlor	63.5	88.0	P/P	37 - 94.0
2464765	Heptachlor Epoxide	94.4	105	P/P	38 - 118
2464765	Hexachlorobenzene	40.5	54.1	P/P	35 - 97.0
2464765	Kepone	76.9	96.8	P/P	10 - 221
2464765	Lambda-Cyhalothrin	64.0	69.9	P/P	23 - 190
2464765	Methoprene	87.9	99.2	P/P	21 - 109
2464765	Methoxychlor	75.9	91.3	P/P	46 - 118
2464765	MGK-264	80.2	94.5	P/P	39 - 122
2464765	Mirex	50.1	36.1	P/P	25 - 90.0
2464765	Oxychlordane	74.9	99.2	P/P	42 - 100
2464765	Permethrin	69.8	89.8	P/P	33 - 181
2464765	Phenothrin	55.8	67.7	P/P	12 - 125
2464765	Piperonyl Butoxide	94.4	81.2	P/P	10 - 178
2464765	Prallethrin	68.3	72.4	P/P	24 - 122
2464765	Tau-Fluvalinate	63.0	78.3	P/P	13 - 151
2464765	Tetramethrin	97.4	114	P/P	16 - 172
2464765	Trans-Nonachlor	84.1	78.5	P/P	39 - 100
2464765	Triclosan Methyl	93.1	90.9	P/P	43 - 110
2464765	Trifluralin	68.9	82.1	P/P	45 - 94.0

Reference Method: EPA 8276
Batch ID: P440746

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464603	Chlordane	123	119	P/P	43 - 123
2464603	Toxaphene	142	136	P/P	27 - 156

Reference Method: EPA 8321B
Batch ID: P440589

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2463994	Acesulfame K	125	127	P/P	40 - 150
2463994	AMPA	111	111	P/P	40 - 160
2463994	Endothall	98.5	98.0	P/P	40 - 160
2463994	Glufosinate	91.3	93.4	P/P	40 - 160
2463994	Glyphosate	100	102	P/P	40 - 160
2463994	Sucralose	86.4	85.1	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440692

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2463994	2,4-D	93.5	106	P/P	40 - 150
2463994	2,4,5-T	89.0	103	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P440692

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2463994	Acetaminophen	99.9	103	P/P	30 - 150
2463994	Acetamiprid	84.9	88.7	P/P	40 - 150
2463994	Afidopyropen	77.2	60.6	P/P	30 - 150
2463994	Bentazon	42.0	44.8	P/P	30 - 150
2463994	Benzovindiflupyr	93.9	95.3	P/P	40 - 150
2463994	Carbamazepine	91.1	91.6	P/P	40 - 150
2463994	Clothianidin	109	110	P/P	40 - 150
2463994	Dinotefuran	116	118	P/P	40 - 150
2463994	Diuron	84.3	78.9	P/P	40 - 150
2463994	Fenuron	88.8	90.6	P/P	40 - 150
2463994	Fluridone	90.7	92.8	P/P	40 - 150
2463994	Hydrocodone	103	107	P/P	40 - 150
2463994	Ibuprofen	85.9	82.4	P/P	40 - 150
2463994	Imazapyr	107	110	P/P	40 - 150
2463994	Imidacloprid	126	128	P/P	40 - 150
2463994	Linuron	89.6	83.5	P/P	40 - 150
2463994	Mandestrobin	101	104	P/P	40 - 150
2463994	MCPP	90.1	91.6	P/P	40 - 150
2463994	Naproxen	78.2	67.1	P/P	40 - 150
2463994	Primidone	100	105	P/P	40 - 150
2463994	Pyraclostrobin	96.0	95.9	P/P	40 - 150
2463994	Silvex	85.3	92.8	P/P	40 - 150
2463994	Thiamethoxam	116	120	P/P	40 - 150
2463994	Tolfenpyrad	58.9	65.7	P/P	30 - 150
2463994	Triclopyr	95.7	103	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440694

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464600	Acesulfame K	136	136	P/P	40 - 150
2464600	AMPA	119	116	P/P	40 - 160
2464600	Endothall	105	114	P/P	40 - 160
2464600	Glufosinate	99.7	97.1	P/P	40 - 160
2464600	Glyphosate	112	111	P/P	40 - 160
2464600	Sucralose	87.2	85.1	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440702

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464575	2,4-D	85.8	84.2	P/P	40 - 150
2464575	2,4,5-T	93.8	97.7	P/P	40 - 150
2464575	Acetaminophen	107	106	P/P	30 - 150
2464575	Acetamiprid	93.8	79.9	P/P	40 - 150
2464575	Afidopyropen	102	88.7	P/P	30 - 150
2464575	Bentazon	41.3	41.4	P/P	30 - 150
2464575	Benzovindiflupyr	101	96.1	P/P	40 - 150
2464575	Carbamazepine	80.2	82.0	P/P	40 - 150
2464575	Clothianidin	106	105	P/P	40 - 150
2464575	Dinotefuran	111	111	P/P	40 - 150
2464575	Diuron	83.4	82.1	P/P	40 - 150

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P440702

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464575	Fenuron	77.4	75.0	P/P	40 - 150
2464575	Fluridone	87.3	91.9	P/P	40 - 150
2464575	Hydrocodone	98.2	94.3	P/P	40 - 150
2464575	Ibuprofen	64.0	88.7	P/P	40 - 150
2464575	Imazapyr	112	111	P/P	40 - 150
2464575	Imidacloprid	129	127	P/P	40 - 150
2464575	Linuron	81.3	81.1	P/P	40 - 150
2464575	Mandestrobin	103	105	P/P	40 - 150
2464575	MCPD	107	101	P/P	40 - 150
2464575	Naproxen	87.1	94.7	P/P	40 - 150
2464575	Primidone	104	98.6	P/P	40 - 150
2464575	Pyraclostrobin	99.5	98.7	P/P	40 - 150
2464575	Silvex	93.1	92.8	P/P	40 - 150
2464575	Thiamethoxam	110	107	P/P	40 - 150
2464575	Tolfenpyrad	64.3	60.6	P/P	30 - 150
2464575	Triclopyr	92.4	95.4	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P440845

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464571	3-Hydroxycarbofuran	48.1	45.5	P/P	40 - 150
2464571	Aldicarb	47.7	43.7	P/P	30 - 150
2464571	Aldicarb Sulfone	71.7	76.3	P/P	40 - 150
2464571	Aldicarb Sulfoxide	24.6	22.6	F/F	40 - 150
2464571	Carbaryl	59.1	61.0	P/P	40 - 150
2464571	Carbofuran	52.2	51.2	P/P	40 - 150
2464571	Methiocarb	57.8	58.5	P/P	40 - 150
2464571	Methomyl	62.8	64.0	P/P	40 - 150
2464571	Oxamyl	62.7	64.8	P/P	40 - 150
2464571	Propoxur	49.5	51.0	P/P	40 - 150

Reference Method: SM 5310 B-2014
Batch ID: P440884

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2464522	Organic Carbon	100	101	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P440734

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464537	Color (true)	4.47	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P440730

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464527	Turbidity	8.83	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441023

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464439	Chloride	0.343	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441026

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464439	Sulfate	0.766	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441172

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465249	Sulfate	0.287	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P441602

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2468448	Chloride	3.50	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441062

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464474	Ammonia-N	0.0	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P441063

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464534	Ammonia-N	0.773	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440754

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464442	Kjeldahl Nitrogen	2.33	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P440802

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464561	Kjeldahl Nitrogen	2.22	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P441365

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464730	Kjeldahl Nitrogen	1.13	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440946

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464474	NO2NO3-N	1.54	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P440948

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464538	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440838

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464528	Total-P	1.79	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P440864

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464536	Total-P	1.46	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P440627

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465832	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	9.13	Spike	P	0 - 30
2465832	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	4.61	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P440627

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465832	Acetochlor	27.8	Spike	P	0 - 28
2465832	Alachlor	8.85	Spike	P	0 - 30
2465832	Ametryn	18.9	Spike	P	0 - 32
2465832	Atrazine	0.783	Spike	P	0 - 33
2465832	Atrazine Desethyl	16.8	Spike	P	0 - 36
2465832	Avobenzone	1.40	Spike	P	0 - 35
2465832	Azinphos Methyl	1.07	Spike	P	0 - 62
2465832	Azoxystrobin	5.52	Spike	P	0 - 39
2465832	Bromacil	14.8	Spike	P	0 - 33
2465832	Butylate	60.7	Spike	F	0 - 51
2465832	Caffeine	28.9	Spike	P	0 - 100
2465832	Carbophenothion	1.64	Spike	P	0 - 34
2465832	Carfentrazone Ethyl	2.61	Spike	P	0 - 33
2465832	Chlorfenapyr	2.21	Spike	P	0 - 28
2465832	Chlorpyrifos Ethyl	19.1	Spike	P	0 - 31
2465832	Chlorpyrifos Methyl	11.9	Spike	P	0 - 27
2465832	Coumaphos	17.0	Spike	P	0 - 62
2465832	Cyanazine	4.77	Spike	P	0 - 48
2465832	Cyprodinil	3.48	Spike	P	0 - 29
2465832	Dechlorane 602	8.82	Spike	P	0 - 60
2465832	Dechlorane 603	6.38	Spike	P	0 - 40
2465832	Dechlorane Plus	1.66	Spike	P	0 - 38
2465832	Demeton	16.8	Spike	P	0 - 33
2465832	Diazinon	21.0	Spike	P	0 - 32
2465832	Difenoconazole	14.0	Spike	P	0 - 71
2465832	Dimethenamid	9.94	Spike	P	0 - 60
2465832	Dimethomorph	19.5	Spike	P	0 - 61
2465832	Disulfoton	22.8	Spike	P	0 - 30
2465832	Dithiopyr	4.84	Spike	P	0 - 28
2465832	EPTC	68.5	Spike	F	0 - 56
2465832	Ethion	34.1	Spike	P	0 - 79
2465832	Ethoprop	15.8	Spike	P	0 - 31
2465832	Etridiazole	41.1	Spike	P	0 - 43
2465832	Fenamiphos	5.37	Spike	P	0 - 43
2465832	Fenbuconazole	5.27	Spike	P	0 - 79
2465832	Fipronil	7.71	Spike	P	0 - 46
2465832	Fipronil Desulfinyl	7.15	Spike	P	0 - 36
2465832	Fipronil Sulfide	12.2	Spike	P	0 - 34
2465832	Fipronil Sulfone	0.661	Spike	P	0 - 47
2465832	Fluazifop-P-butyl	2.06	Spike	P	0 - 38
2465832	Fludioxonil	6.13	Spike	P	0 - 29
2465832	Flumioxazin	4.21	Spike	P	0 - 63
2465832	Flutolanil	12.0	Spike	P	0 - 36
2465832	Fluxapyroxad	0.120	Spike	P	0 - 65
2465832	Fonofos	19.9	Spike	P	0 - 35
2465832	Hexabromobenzene	3.98	Spike	P	0 - 41
2465832	Hexazinone	14.0	Spike	P	0 - 31
2465832	Imazalil	13.8	Spike	P	0 - 52
2465832	Iprodione	3.87	Spike	P	0 - 49
2465832	Loratadine	3.44	Spike	P	0 - 59
2465832	Malathion	19.1	Spike	P	0 - 77

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P440627

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2465832	Metalaxyl	12.2	Spike	P	0 - 76
2465832	Metolachlor	11.9	Spike	P	0 - 29
2465832	Metribuzin	4.33	Spike	P	0 - 51
2465832	Mevinphos	25.2	Spike	P	0 - 31
2465832	Molinate	34.1	Spike	P	0 - 39
2465832	Myclobutanil	13.4	Spike	P	0 - 34
2465832	Naled	34.7	Spike	P	0 - 37
2465832	Napropamide	20.3	Spike	P	0 - 100
2465832	Norflurazon	6.35	Spike	P	0 - 54
2465832	Octinoxate	7.61	Spike	P	0 - 35
2465832	Oxadiazon	6.82	Spike	P	0 - 34
2465832	Oxybenzone	7.20	Spike	P	0 - 35
2465832	Oxyfluorfen	10.3	Spike	P	0 - 28
2465832	Parathion Ethyl	14.4	Spike	P	0 - 31
2465832	Parathion Methyl	12.4	Spike	P	0 - 29
2465832	PBB-153	3.65	Spike	P	0 - 49
2465832	PBDE-47	13.2	Spike	P	0 - 36
2465832	PBDE-99	0.114	Spike	P	0 - 46
2465832	Pendimethalin	7.32	Spike	P	0 - 31
2465832	Pentabromotoluene	8.30	Spike	P	0 - 16
2465832	Phenytoin	24.0	Spike	P	0 - 100
2465832	Phorate	21.3	Spike	P	0 - 36
2465832	Prodiamine	4.68	Spike	P	0 - 68
2465832	Prometon	16.0	Spike	P	0 - 35
2465832	Prometryn	6.85	Spike	P	0 - 33
2465832	Pronamide	20.9	Spike	P	0 - 24
2465832	Propanil	8.19	Spike	P	0 - 28
2465832	Propargite	14.4	Spike	P	0 - 53
2465832	Propiconazole	12.0	Spike	P	0 - 44
2465832	Pyraflufen Ethyl	16.9	Spike	P	0 - 61
2465832	Pyridaben	4.29	Spike	P	0 - 43
2465832	Pyriproxyfen	7.15	Spike	P	0 - 82
2465832	Simazine	6.96	Spike	P	0 - 29
2465832	Stirophos	14.2	Spike	P	0 - 100
2465832	Sulfentrazone	3.44	Spike	P	0 - 64
2465832	Tebuconazole	8.05	Spike	P	0 - 76
2465832	Terbufos	18.3	Spike	P	0 - 29
2465832	Terbuthylazine	14.6	Spike	P	0 - 28
2465832	Tetradecachloro-m-terphenyl	21.0	Spike	P	0 - 42
2465832	Thiobencarb	5.12	Spike	P	0 - 26
2465832	Tri-o-cresyl Phosphate	4.48	Spike	P	0 - 24
2465832	Triadimefon	22.8	Spike	P	0 - 40
2465832	Tris(1-chloro-2-propyl) phosphate (TCPP)	2.71	Spike	P	0 - 30
2465832	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.29	Spike	P	0 - 22
2465832	Tris(2-chloroethyl) phosphate (TCEP)	5.92	Spike	P	0 - 15

Reference Method: EPA 8270E

Batch ID: P440746

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

Reference Method: EPA 8270E
Batch ID: P440746

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464603	PCB-1016	14.7	Spike	P	0 - 25
2464603	PCB-1260	9.94	Spike	P	0 - 30
2464765	Aldrin	25.0	Spike	P	0 - 41
2464765	Alpha-BHC	17.0	Spike	P	0 - 25
2464765	Alpha-Chlordane	15.8	Spike	P	0 - 32
2464765	Beta-BHC	11.3	Spike	P	0 - 33
2464765	Beta-Cyfluthrin	10.2	Spike	P	0 - 43
2464765	Bifenthrin	18.6	Spike	P	0 - 52
2464765	Chlorothalonil	30.4	Spike	P	0 - 82
2464765	Cis-Nonachlor	42.8	Spike	F	0 - 33
2464765	Cypermethrin	10.9	Spike	P	0 - 51
2464765	Dacthal	8.99	Spike	P	0 - 27
2464765	DDD-p,p'	12.8	Spike	P	0 - 39
2464765	DDE-p,p'	17.6	Spike	P	0 - 31
2464765	DDT-p,p'	15.2	Spike	P	0 - 29
2464765	Delta-BHC	19.0	Spike	P	0 - 35
2464765	Deltamethrin	21.3	Spike	P	0 - 100
2464765	Dichlobenil	4.67	Spike	P	0 - 40
2464765	Dicofol	14.8	Spike	P	0 - 37
2464765	Dieldrin	15.3	Spike	P	0 - 27
2464765	Endosulfan I	12.5	Spike	P	0 - 23
2464765	Endosulfan II	4.33	Spike	P	0 - 34
2464765	Endosulfan Sulfate	12.6	Spike	P	0 - 36
2464765	Endrin	0.856	Spike	P	0 - 45
2464765	Endrin Aldehyde	4.65	Spike	P	0 - 76
2464765	Endrin Ketone	13.5	Spike	P	0 - 43
2464765	Esfenvalerate	27.6	Spike	P	0 - 51
2464765	Ethalfuralin	10.4	Spike	P	0 - 22
2464765	Fenpropathrin	19.0	Spike	P	0 - 49
2464765	Gamma-BHC	12.0	Spike	P	0 - 28
2464765	Gamma-Chlordane	11.5	Spike	P	0 - 40
2464765	Heptachlor	32.4	Spike	F	0 - 29
2464765	Heptachlor Epoxide	8.38	Spike	P	0 - 33
2464765	Hexachlorobenzene	28.8	Spike	P	0 - 36
2464765	Kepone	22.9	Spike	P	0 - 85
2464765	Lambda-Cyhalothrin	8.80	Spike	P	0 - 55
2464765	Methoprene	12.0	Spike	P	0 - 53
2464765	Methoxychlor	18.5	Spike	P	0 - 50
2464765	MGK-264	16.3	Spike	P	0 - 43
2464765	Mirex	32.6	Spike	P	0 - 40
2464765	Oxychlordane	27.9	Spike	P	0 - 31
2464765	Permethrin	25.1	Spike	P	0 - 50
2464765	Phenothrin	19.3	Spike	P	0 - 58
2464765	Piperonyl Butoxide	13.7	Spike	P	0 - 100
2464765	Prallethrin	5.89	Spike	P	0 - 39
2464765	Tau-Fluvalinate	21.6	Spike	P	0 - 54
2464765	Tetramethrin	15.7	Spike	P	0 - 51
2464765	Trans-Nonachlor	5.07	Spike	P	0 - 39
2464765	Triclosan Methyl	2.39	Spike	P	0 - 31
2464765	Trifluralin	17.4	Spike	P	0 - 22

Quality Assurance Report Precision

Reference Method: EPA 8276
Batch ID: P440746

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464603	Chlordane	2.81	Spike	P	0 - 28
2464603	Toxaphene	3.92	Spike	P	0 - 27

Reference Method: EPA 8321B
Batch ID: P440589

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2463994	Acesulfame K	1.20	Spike	P	0 - 30
2463994	AMPA	0.157	Spike	P	0 - 30
2463994	Endothall	0.529	Spike	P	0 - 30
2463994	Glufosinate	2.34	Spike	P	0 - 30
2463994	Glyphosate	1.63	Spike	P	0 - 30
2463994	Sucralose	1.60	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P440692

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2463994	2,4-D	12.1	Spike	P	0 - 30
2463994	2,4,5-T	14.7	Spike	P	0 - 30
2463994	Acetaminophen	3.07	Spike	P	0 - 30
2463994	Acetamiprid	4.38	Spike	P	0 - 30
2463994	Afidopyropen	24.0	Spike	P	0 - 30
2463994	Bentazon	6.35	Spike	P	0 - 30
2463994	Benzovindiflupyr	1.52	Spike	P	0 - 30
2463994	Carbamazepine	0.521	Spike	P	0 - 30
2463994	Clothianidin	1.23	Spike	P	0 - 30
2463994	Dinotefuran	1.37	Spike	P	0 - 30
2463994	Diuron	6.65	Spike	P	0 - 30
2463994	Fenuron	1.96	Spike	P	0 - 30
2463994	Fluridone	2.28	Spike	P	0 - 30
2463994	Hydrocodone	4.39	Spike	P	0 - 30
2463994	Ibuprofen	4.14	Spike	P	0 - 30
2463994	Imazapyr	2.06	Spike	P	0 - 30
2463994	Imidacloprid	2.00	Spike	P	0 - 30
2463994	Linuron	7.11	Spike	P	0 - 30
2463994	Mandestrobin	2.81	Spike	P	0 - 30
2463994	MCPP	1.61	Spike	P	0 - 30
2463994	Naproxen	15.3	Spike	P	0 - 30
2463994	Primidone	5.09	Spike	P	0 - 30
2463994	Pyraclostrobin	0.0905	Spike	P	0 - 30
2463994	Silvex	8.48	Spike	P	0 - 30
2463994	Thiamethoxam	2.78	Spike	P	0 - 30
2463994	Tolfenpyrad	10.9	Spike	P	0 - 30
2463994	Triclopyr	6.91	Spike	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8321B
Batch ID: P440694

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464600	Acesulfame K	0.154	Spike	P	0 - 30
2464600	AMPA	2.26	Spike	P	0 - 30
2464600	Endothall	7.90	Spike	P	0 - 30
2464600	Glufosinate	2.62	Spike	P	0 - 30
2464600	Glyphosate	0.548	Spike	P	0 - 30
2464600	Sucralose	2.41	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P440702

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464575	2,4-D	1.67	Spike	P	0 - 30
2464575	2,4,5-T	4.05	Spike	P	0 - 30
2464575	Acetaminophen	1.23	Spike	P	0 - 30
2464575	Acetamiprid	16.0	Spike	P	0 - 30
2464575	Afidopyropen	14.2	Spike	P	0 - 30
2464575	Bentazon	0.245	Spike	P	0 - 30
2464575	Benzovindiflupyr	4.67	Spike	P	0 - 30
2464575	Carbamazepine	2.24	Spike	P	0 - 30
2464575	Clothianidin	0.784	Spike	P	0 - 30
2464575	Dinotefuran	0.0879	Spike	P	0 - 30
2464575	Diuron	1.52	Spike	P	0 - 30
2464575	Fenuron	3.14	Spike	P	0 - 30
2464575	Fluridone	5.18	Spike	P	0 - 30
2464575	Hydrocodone	4.07	Spike	P	0 - 30
2464575	Ibuprofen	32.4	Spike	F	0 - 30
2464575	Imazapyr	0.353	Spike	P	0 - 30
2464575	Imidacloprid	1.59	Spike	P	0 - 30
2464575	Linuron	0.176	Spike	P	0 - 30
2464575	Mandestrobin	1.70	Spike	P	0 - 30
2464575	MCPP	5.94	Spike	P	0 - 30
2464575	Naproxen	8.44	Spike	P	0 - 30
2464575	Primidone	5.29	Spike	P	0 - 30
2464575	Pyraclostrobin	0.864	Spike	P	0 - 30
2464575	Silvex	0.284	Spike	P	0 - 30
2464575	Thiamethoxam	3.10	Spike	P	0 - 30
2464575	Tolfenpyrad	5.91	Spike	P	0 - 30
2464575	Triclopyr	3.28	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P440845

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464571	3-Hydroxycarbofuran	5.51	Spike	P	0 - 30
2464571	Aldicarb	8.69	Spike	P	0 - 30
2464571	Aldicarb Sulfone	6.23	Spike	P	0 - 30
2464571	Aldicarb Sulfoxide	8.50	Spike	P	0 - 30
2464571	Carbaryl	3.13	Spike	P	0 - 30
2464571	Carbofuran	1.79	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P440845

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464571	Methiocarb	1.27	Spike	P	0 - 30
2464571	Methomyl	1.85	Spike	P	0 - 30
2464571	Oxamyl	3.30	Spike	P	0 - 30
2464571	Propoxur	3.07	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P440908

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464664	Total Alkalinity	0.759	Sample	P	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P441269

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464052	TDS	3.25	Sample	P	0 - 10

Reference Method: SM 2540 C-2015
Batch ID: P441271

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464664	TDS	2.57	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P440911

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464664	Fluoride	0.0	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P440884

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2464522	Organic Carbon	0.147	Spike	P	0 - 15

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

Quality Assurance Report

Surrogates

Lab Sample ID: 2464571

Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	60.3	P	30 - 160

Lab Sample ID: 2464572

Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	81.5	P	30 - 160
EPA 8321B	Acetaminophen-d4	87.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	74.4	P	30 - 160
EPA 8321B	Diuron-d6	65.7	P	30 - 160
EPA 8321B	Endothall-d6	95.0	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	102	P	30 - 160
EPA 8321B	Ibuprofen-d3	62.9	P	30 - 160
EPA 8321B	Primidone-d5	84.5	P	30 - 160
EPA 8321B	Sucralose-d6	55.7	P	30 - 160

Lab Sample ID: 2464573

Field Sample ID: G5SE0086

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	82.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	85.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	77.6	P	30 - 160
EPA 8321B	Diuron-d6	64.3	P	30 - 160
EPA 8321B	Endothall-d6	98.0	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	101	P	30 - 160
EPA 8321B	Ibuprofen-d3	62.2	P	30 - 160
EPA 8321B	Primidone-d5	88.6	P	30 - 160
EPA 8321B	Sucralose-d6	60.2	P	30 - 160

Lab Sample ID: 2464574

Field Sample ID: G5SE0115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	87.8	P	30 - 160
EPA 8321B	Acetaminophen-d4	82.1	P	30 - 160
EPA 8321B	Carbamazepine-d10	70.1	P	30 - 160
EPA 8321B	Diuron-d6	55.6	P	30 - 160
EPA 8321B	Endothall-d6	96.8	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	100	P	30 - 160
EPA 8321B	Ibuprofen-d3	75.8	P	30 - 160
EPA 8321B	Primidone-d5	83.6	P	30 - 160
EPA 8321B	Sucralose-d6	63.1	P	30 - 160

Lab Sample ID: 2464575

Field Sample ID: G5SE0143

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	93.9	P	30 - 160
EPA 8321B	Acetaminophen-d4	86.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	73.1	P	30 - 160
EPA 8321B	Diuron-d6	59.9	P	30 - 160

Quality Assurance Report Surrogates

Lab Sample ID: 2464575
Field Sample ID: G5SE0143

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Endothall-d6	102	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	105	P	30 - 160
EPA 8321B	Ibuprofen-d3	75.7	P	30 - 160
EPA 8321B	Primidone-d5	84.9	P	30 - 160
EPA 8321B	Sucralose-d6	51.7	P	30 - 160

Lab Sample ID: 2464576
Field Sample ID: G5SE0144

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	93.6	P	30 - 160
EPA 8321B	Acetaminophen-d4	85.9	P	30 - 160
EPA 8321B	Carbamazepine-d10	75.3	P	30 - 160
EPA 8321B	Diuron-d6	64.9	P	30 - 160
EPA 8321B	Endothall-d6	107	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	104	P	30 - 160
EPA 8321B	Ibuprofen-d3	71.4	P	30 - 160
EPA 8321B	Primidone-d5	82.8	P	30 - 160
EPA 8321B	Sucralose-d6	46.4	P	30 - 160

Lab Sample ID: 2464577
Field Sample ID: G5SE0141

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	96.3	P	30 - 160
EPA 8321B	Acetaminophen-d4	90.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	73.1	P	30 - 160
EPA 8321B	Diuron-d6	61.9	P	30 - 160
EPA 8321B	Endothall-d6	98.8	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	102	P	30 - 160
EPA 8321B	Ibuprofen-d3	67.6	P	30 - 160
EPA 8321B	Primidone-d5	88.6	P	30 - 160
EPA 8321B	Sucralose-d6	42.0	P	30 - 160

Lab Sample ID: 2464578
Field Sample ID: FB_01302024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	79.8	P	30 - 160

Lab Sample ID: 2464579
Field Sample ID: FB_01302024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	110	P	30 - 160
EPA 8321B	Acetaminophen-d4	92.0	P	30 - 160
EPA 8321B	Carbamazepine-d10	92.3	P	30 - 160
EPA 8321B	Diuron-d6	88.3	P	30 - 160
EPA 8321B	Endothall-d6	102	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	110	P	30 - 160
EPA 8321B	Ibuprofen-d3	83.7	P	30 - 160
EPA 8321B	Primidone-d5	97.1	P	30 - 160

Quality Assurance Report

Surrogates

Lab Sample ID: 2464579

Field Sample ID: FB_01302024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Sucralose-d6	86.6	P	30 - 160

Lab Sample ID: 2464584

Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	101	P	37 - 129
EPA 8270E	Decachlorobiphenyl	99.0	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	48.5	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	37.4	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	104	P	23 - 110
EPA 8276	PCNB	123	P	51 - 130

Lab Sample ID: 2464585

Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	82.9	P	20 - 200
EPA 8270E	Simazine-d10	101	P	58 - 137
EPA 8270E	Terbufos-d10	82.7	P	50 - 134
EPA 8270E	Terphenyl-d14	103	P	44 - 134

Lab Sample ID: 2464586

Field Sample ID: FB_01302024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	96.8	P	37 - 129
EPA 8270E	Decachlorobiphenyl	89.1	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	57.8	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	76.9	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	95.5	P	23 - 110
EPA 8276	PCNB	106	P	51 - 130

Lab Sample ID: 2464587

Field Sample ID: FB_01302024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	119	P	20 - 200
EPA 8270E	Simazine-d10	109	P	58 - 137
EPA 8270E	Terbufos-d10	51.2	P	50 - 134
EPA 8270E	Terphenyl-d14	110	P	44 - 134

Quality Assurance Report
Calibration Verification

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A123922
Included Lab Sample IDs: 2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	100	99.0	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1
Run ID: A123923
Included Lab Sample IDs: 2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	100	101	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A123935
Included Lab Sample IDs: 2464572, 2464573, 2464574, 2464575, 2464576, 2464577, 2464579

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	133	142	P/P	60 - 160
Acesulfame K	139	141	P/P	60 - 160
Acesulfame K	142	139	P/P	60 - 160
Sucralose	86.7	88.5	P/P	60 - 160
Sucralose	87.8	86.3	P/P	60 - 160
Sucralose	88.5	87.8	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A123959
Included Lab Sample IDs: 2464572, 2464573, 2464574, 2464575, 2464576, 2464577, 2464579

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	81.4	80.3	P/P	60 - 160
AMPA	85.1	83.7	P/P	60 - 160
Endothall	69.9	70.7	P/P	60 - 160
Endothall	80.7	75.7	P/P	60 - 160
Glufosinate	61.5	65.7	P/P	60 - 160
Glufosinate	63.1	80.4	P/P	60 - 160
Glyphosate	76.0	76.8	P/P	60 - 160
Glyphosate	82.5	87.6	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A123970
Included Lab Sample IDs: 2464572, 2464573

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	101	106	P/P	50 - 150
2,4,5-T	87.0	91.7	P/P	50 - 150
Acetaminophen	111	109	P/P	60 - 160
Acetamiprid	111	112	P/P	50 - 150
Afidopyropen	98.5	107	P/P	50 - 150
Bentazon	95.3	88.9	P/P	50 - 160
Benzovindiflupyr	106	108	P/P	50 - 150
Carbamazepine	111	114	P/P	60 - 150
Clothianidin	109	111	P/P	60 - 150
Dinotefuran	112	115	P/P	50 - 150
Diuron	104	110	P/P	60 - 160

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A123970

Included Lab Sample IDs: 2464572, 2464573

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fenuron	112	113	P/P	60 - 150
Fluridone	108	109	P/P	60 - 160
Hydrocodone	116	121	P/P	60 - 150
Ibuprofen	91.9	63.9	P/P	50 - 160
Imazapyr	96.2	92.4	P/P	50 - 150
Imidacloprid	103	103	P/P	60 - 150
Linuron	104	116	P/P	60 - 150
Mandestrobin	108	111	P/P	50 - 150
MCPP	89.7	92.9	P/P	50 - 150
Naproxen	112	126	P/P	50 - 160
Primidone	102	97.8	P/P	60 - 150
Pyraclostrobin	115	116	P/P	60 - 150
Silvex	96.9	89.0	P/P	50 - 150
Thiamethoxam	119	117	P/P	50 - 150
Tolfenpyrad	101	112	P/P	60 - 150
Triclopyr	109	103	P/P	50 - 150

Reference Method: SM 5310 B-2014

Run ID: A123981

Included Lab Sample IDs: 2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	102	96.5	P/P	70 - 130

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A123984

Included Lab Sample IDs: 2464534, 2464536

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	108	101	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A123986

Included Lab Sample IDs: 2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.0	97.5	P/P	90 - 110
Total Alkalinity	97.5	96.0	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A123986

Included Lab Sample IDs: 2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	101	102	P/P	90 - 110
Fluoride	102	103	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A123987

Included Lab Sample IDs: 2464574, 2464575, 2464576, 2464577, 2464579

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	108	120	P/P	50 - 150
2,4-D	120	105	P/P	50 - 150
2,4,5-T	110	113	P/P	50 - 150
2,4,5-T	122	110	P/P	50 - 150
Acetaminophen	109	110	P/P	60 - 160
Acetaminophen	112	109	P/P	60 - 160
Acetamiprid	108	113	P/P	50 - 150
Acetamiprid	113	111	P/P	50 - 150
Afidopyropen	92.0	88.5	P/P	50 - 150
Afidopyropen	97.8	92.0	P/P	50 - 150
Bentazon	102	99.3	P/P	50 - 160
Bentazon	98.1	102	P/P	50 - 160
Benzovindiflupyr	109	106	P/P	50 - 150
Benzovindiflupyr	98.5	109	P/P	50 - 150
Carbamazepine	111	110	P/P	60 - 150
Carbamazepine	111	111	P/P	60 - 150
Clothianidin	106	110	P/P	60 - 150
Clothianidin	111	106	P/P	60 - 150
Dinotefuran	108	111	P/P	50 - 150
Dinotefuran	112	108	P/P	50 - 150
Diuron	112	113	P/P	60 - 160
Diuron	113	115	P/P	60 - 160
Fenuron	106	106	P/P	60 - 150
Fenuron	107	106	P/P	60 - 150
Fluridone	106	116	P/P	60 - 160
Fluridone	116	109	P/P	60 - 160
Hydrocodone	117	118	P/P	60 - 150
Hydrocodone	122	117	P/P	60 - 150
Ibuprofen	97.3	85.1	P/P	50 - 160
Ibuprofen	99.2	97.3	P/P	50 - 160
Imazapyr	101	94.8	P/P	50 - 150
Imazapyr	94.8	91.3	P/P	50 - 150
Imidacloprid	101	102	P/P	60 - 150
Imidacloprid	102	102	P/P	60 - 150
Linuron	105	117	P/P	60 - 150
Linuron	117	105	P/P	60 - 150
Mandestrobin	108	107	P/P	50 - 150
Mandestrobin	108	108	P/P	50 - 150
MCPP	113	103	P/P	50 - 150
MCPP	129	113	P/P	50 - 150
Naproxen	73.6	70.0	P/P	50 - 160
Naproxen	92.1	73.6	P/P	50 - 160
Primidone	97.3	100	P/P	60 - 150
Primidone	97.8	97.3	P/P	60 - 150
Pyraclostrobin	106	107	P/P	60 - 150
Pyraclostrobin	111	106	P/P	60 - 150
Silvex	113	115	P/P	50 - 150
Silvex	115	108	P/P	50 - 150
Thiamethoxam	108	108	P/P	50 - 150
Thiamethoxam	110	108	P/P	50 - 150
Tolfenpyrad	101	96.6	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A123987

Included Lab Sample IDs: 2464574, 2464575, 2464576, 2464577, 2464579

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tolfenpyrad	96.0	101	P/P	60 - 150
Triclopyr	103	118	P/P	50 - 150
Triclopyr	118	115	P/P	50 - 150

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A123996

Included Lab Sample IDs: 2464528, 2464530, 2464532, 2464536, 2464538

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	101	102	P/P	90 - 110
Total-P	103	101	P/P	90 - 110
Total-P	103	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A123999

Included Lab Sample IDs: 2464534, 2464540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	96.8	97.5	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A124002

Included Lab Sample IDs: 2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A124015

Included Lab Sample IDs: 2464530, 2464532, 2464538, 2464540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	101	102	P/P	90 - 110
Kjeldahl Nitrogen	106	101	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A124027

Included Lab Sample IDs: 2464527, 2464529, 2464531, 2464533, 2464535, 2464537

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

Reference Method: EPA 8321B

Run ID: A124036

Included Lab Sample IDs: 2464571, 2464578

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	94.5	93.3	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B

Run ID: A124036

Included Lab Sample IDs: 2464571, 2464578

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	97.2	94.5	P/P	60 - 150
Aldicarb	111	96.7	P/P	60 - 150
Aldicarb	118	111	P/P	60 - 150
Aldicarb Sulfone	102	105	P/P	50 - 150
Aldicarb Sulfone	105	104	P/P	50 - 150
Aldicarb Sulfoxide	102	98.4	P/P	50 - 150
Aldicarb Sulfoxide	98.4	102	P/P	50 - 150
Carbaryl	93.6	113	P/P	60 - 150
Carbaryl	96.8	93.6	P/P	60 - 150
Carbofuran	103	104	P/P	50 - 150
Carbofuran	104	107	P/P	50 - 150
Methiocarb	107	97.6	P/P	50 - 150
Methiocarb	94.1	107	P/P	50 - 150
Methomyl	104	106	P/P	50 - 150
Methomyl	106	108	P/P	50 - 150
Oxamyl	101	96.7	P/P	50 - 150
Oxamyl	96.7	103	P/P	50 - 150
Propoxur	101	95.8	P/P	50 - 150
Propoxur	95.8	99.3	P/P	50 - 150

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A124042

Included Lab Sample IDs: 2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	96.9	97.3	P/P	90 - 110
Ammonia-N	98.5	96.9	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A124057

Included Lab Sample IDs: 2464585, 2464587

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	99.3		P	80 - 120
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	93.8		P	80 - 120
Avobenzene	95.3		P	80 - 120
Dechlorane 602	95.9		P	80 - 120
Dechlorane 603	93.8		P	80 - 120
Dechlorane Plus	90.0		P	80 - 120
Hexabromobenzene	91.8		P	80 - 120
Octinoxate	97.5		P	80 - 120
Oxybenzone	96.0		P	80 - 120
PBB-153	92.3		P	80 - 120
PBDE-47	90.6		P	80 - 120
PBDE-99	94.8		P	80 - 120
Pentabromotoluene	96.2		P	80 - 120
Tetradecachloro-m-terphenyl	114		P	80 - 120
Tri-o-cresyl Phosphate	97.2		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	98.4		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	94.7		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	101		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8276

Run ID: A124108

Included Lab Sample IDs: 2464584, 2464586

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	98.7		P	80 - 120
Toxaphene	105		P	80 - 120

Reference Method: EPA 8270E

Run ID: A124109

Included Lab Sample IDs: 2464585, 2464587

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	87.6		P	80 - 120
Alachlor	87.6		P	80 - 120
Ametryn	108		P	80 - 120
Atrazine	87.1		P	80 - 120
Atrazine Desethyl	101		P	80 - 120
Azinphos Methyl	102		P	80 - 120
Azoxystrobin	97.2		P	80 - 120
Bromacil	102		P	80 - 120
Butylate	96.4		P	80 - 120
Caffeine	104		P	80 - 120
Carbophenothion	106		P	80 - 120
Carfentrazone Ethyl	115		P	80 - 120
Chlorfenapyr	87.1		P	80 - 120
Chlorpyrifos Ethyl	88.1		P	80 - 120
Chlorpyrifos Methyl	94.3		P	80 - 120
Coumaphos	93.8		P	80 - 120
Cyanazine	97.7		P	80 - 120
Cyprodinil	104		P	80 - 120
Demeton	96.8		P	80 - 120
Diazinon	96.0		P	80 - 120
Difenoconazole	99.3		P	80 - 120
Dimethenamid	94.2		P	80 - 120
Dimethomorph	106		P	80 - 120
Disulfoton	98.0		P	80 - 120
Dithiopyr	106		P	80 - 120
EPTC	99.9		P	80 - 120
Ethion	80.0		P	80 - 120
Ethoprop	98.1		P	80 - 120
Etridiazole	108		P	80 - 120
Fenamiphos	89.5		P	80 - 120
Fenbuconazole	98.2		P	80 - 120
Fipronil	99.4		P	80 - 120
Fipronil Desulfinyl	108		P	80 - 120
Fipronil Sulfide	108		P	80 - 120
Fipronil Sulfone	116		P	80 - 120
Fluazifop-P-butyl	112		P	80 - 120
Fludioxonil	99.4		P	80 - 120
Flumioxazin	100		P	80 - 120
Flutolanil	99.9		P	80 - 120
Fluxapyroxad	104		P	80 - 120
Fonofos	90.8		P	80 - 120
Hexazinone	97.5		P	80 - 120
Imazalil	99.0		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A124109

Included Lab Sample IDs: 2464585, 2464587

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Iprodione	107		P	80 - 120
Loratadine	94.5		P	80 - 120
Malathion	81.3		P	80 - 120
Metalaxyl	93.3		P	80 - 120
Metolachlor	95.9		P	80 - 120
Metribuzin	93.4		P	80 - 120
Mevinphos	97.7		P	80 - 120
Molinate	92.4		P	80 - 120
Myclobutanil	94.9		P	80 - 120
Naled	103		P	80 - 120
Napropamide	105		P	80 - 120
Norflurazon	101		P	80 - 120
Oxadiazon	99.1		P	80 - 120
Oxyfluorfen	95.2		P	80 - 120
Parathion Ethyl	95.9		P	80 - 120
Parathion Methyl	83.7		P	80 - 120
Pendimethalin	93.6		P	80 - 120
Phenytoin	100		P	80 - 120
Phorate	97.9		P	80 - 120
Prodiamine	87.2		P	80 - 120
Prometon	97.8		P	80 - 120
Prometryn	87.5		P	80 - 120
Pronamide	95.1		P	80 - 120
Propanil	109		P	80 - 120
Propargite	93.9		P	80 - 120
Propiconazole	86.2		P	80 - 120
Pyraflufen Ethyl	101		P	80 - 120
Pyridaben	104		P	80 - 120
Pyriproxyfen	104		P	80 - 120
Simazine	91.3		P	80 - 120
Stirophos	82.8		P	80 - 120
Sulfentrazone	103		P	80 - 120
Tebuconazole	98.6		P	80 - 120
Terbufos	91.8		P	80 - 120
Terbuthylazine	92.8		P	80 - 120
Thiobencarb	106		P	80 - 120
Triadimefon	107		P	80 - 120

Reference Method: EPA 8270E

Run ID: A124125

Included Lab Sample IDs: 2464584, 2464586

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	90.0		P	80 - 120
PCB-1260	99.5		P	80 - 120

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A124158

Included Lab Sample IDs: 2464528

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

Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A124158

Included Lab Sample IDs: 2464528

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	91.6	96.3	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A124187

Included Lab Sample IDs: 2464584, 2464586

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	105		P	80 - 120
Alpha-BHC	102		P	80 - 120
Alpha-Chlordane	94.8		P	80 - 120
Beta-BHC	92.5		P	80 - 120
Beta-Cyfluthrin	108		P	80 - 120
Bifenthrin	93.6		P	80 - 120
Chlorothalonil	108		P	80 - 120
Cis-Nonachlor	131*		F	80 - 120
Cypermethrin	91.8		P	80 - 120
Dacthal	89.5		P	80 - 120
DDD-p,p'	98.6		P	80 - 120
DDE-p,p'	94.2		P	80 - 120
Delta-BHC	98.4		P	80 - 120
Deltamethrin	97.6		P	80 - 120
Dichlobenil	101		P	80 - 120
Dicofol	94.1		P	80 - 120
Dieldrin	92.1		P	80 - 120
Endosulfan I	95.4		P	80 - 120
Endosulfan II	109		P	80 - 120
Endosulfan Sulfate	92.7		P	80 - 120
Endrin	108		P	80 - 120
Endrin Aldehyde	129*		F	80 - 120
Endrin Ketone	131*		F	80 - 120
Esfenvalerate	95.7		P	80 - 120
Ethalfuralin	97.3		P	80 - 120
Fenpropathrin	87.4		P	80 - 120
Gamma-BHC	110		P	80 - 120
Gamma-Chlordane	94.4		P	80 - 120
Heptachlor	108		P	80 - 120
Heptachlor Epoxide	118		P	80 - 120
Hexachlorobenzene	92.8		P	80 - 120
Kepone	90.2		P	80 - 120
Lambda-Cyhalothrin	93.8		P	80 - 120
Methoprene	109		P	80 - 120
Methoxychlor	100		P	80 - 120
MGK-264	96.7		P	80 - 120
Mirex	87.0		P	80 - 120
Oxychlordane	99.2		P	80 - 120
Permethrin	89.9		P	80 - 120
Phenothrin	92.9		P	80 - 120
Piperonyl Butoxide	101		P	80 - 120
Prallethrin	92.8		P	80 - 120
Tau-Fluvalinate	89.1		P	80 - 120
Tetramethrin	93.9		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A124187
Included Lab Sample IDs: 2464584, 2464586

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Trans-Nonachlor	112		P	80 - 120
Triclosan Methyl	108		P	80 - 120
Trifluralin	103		P	80 - 120

Reference Method: EPA 8270E
Run ID: A124194
Included Lab Sample IDs: 2464584, 2464586

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
DDT-p,p'	105		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A124232
Included Lab Sample IDs: 2464539

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	101	99.4	P/P	90 - 110

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

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	SMP MS
DEP SOP: NU-094-1	Color (true)	102				4.47
EPA 180.1 Rev. 2.0	Turbidity	104				8.83
EPA 300.0 Rev. 2.1	Chloride	103	99.8	101		0.343
	Chloride	104	101	99.7		3.50
	Sulfate	101	96.3	99.3		0.766
	Sulfate	101	99.4	99.2		0.287
EPA 350.1 Rev. 2.0	Ammonia-N	94.8	100	100		0.0
	Ammonia-N	96.2	95.2	96.6		0.773
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	107	104	99.6		2.33
	Kjeldahl Nitrogen	103	104	107		2.22
	Kjeldahl Nitrogen	100	102	99.6		1.13
EPA 353.2 Rev. 2.0	NO2NO3-N	99.0	96.5	98.0		1.54
	NO2NO3-N	100	97.5	97.5		0.0
EPA 365.1 Rev. 2.0	Total-P	105	106	108		1.79
	Total-P	105	108	106		1.46
EPA 8270E	2-(2H-benzotriazol-2-yl)-4,6-ditertpe ntylphenol (UV-328)	68.8	79.2	86.8		9.13
	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	61.1	82.5	78.7		4.61
	Acetochlor	69.2	75.3	99.6		27.8
	Alachlor	62.6	76.8	83.9		8.85
	Aldrin	73.2	61.8	79.5		25.0
	Alpha-BHC	87.9	81.0	96.0		17.0
	Alpha-Chlordane	71.7	57.4	76.4		15.8
	Ametryn	91.2	88.6	107		18.9
	Atrazine	62.6	72.5	73.1		0.783
	Atrazine Desethyl	70.9	87.5	104		16.8
	Avobenzone	84.2	105	106		1.40
	Azinphos Methyl	130	167	169		1.07
	Azoxystrobin	74.4	107	113		5.52
	Beta-BHC	90.1	75.9	84.9		11.3
	Beta-Cyfluthrin	129	103	114		10.2
	Bifenthrin	70.9	63.7	76.8		18.6
	Bromacil	74.5	82.5	95.7		14.8
	Butylate	41.8	32.7	61.3		60.7
	Caffeine	91.8	150	201		28.9
	Carbophenothion	88.6	102	104		1.64
	Carfentrazone Ethyl	94.0	108	111		2.61
	Chlorfenapyr	63.5	86.1	88.0		2.21
	Chlorothalonil	80.8	69.2	94.0		30.4
	Chlorpyrifos Ethyl	75.1	80.7	97.8		19.1
	Chlorpyrifos Methyl	92.3	95.4	107		11.9
	Cis-Nonachlor	74.0	47.5	73.4		42.8
	Coumaphos	102	117	98.6		17.0
	Cyanazine	90.6	107	112		4.77
	Cypermethrin	92.1	79.5	88.6		10.9
	Cyprodinil	75.4	89.9	93.1		3.48
	Dacthal	80.7	76.7	83.9		8.99
	DDD-p,p'	71.0	67.7	77.0		12.8
	DDE-p,p'	80.0	70.5	84.0		17.6
	DDT-p,p'	89.2	67.7	81.9		15.2
	Dechlorane 602	63.8	71.2	77.8		8.82
	Dechlorane 603	62.4	77.4	72.6		6.38

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Dechlorane Plus	58.2	68.7	69.9		1.66
	Delta-BHC	95.8	83.7	101		19.0
	Deltamethrin	116	93.6	116		21.3
	Demeton	53.9	61.7	73.0		16.8
	Diazinon	83.2	82.7	102		21.0
	Dichlobenil	69.1	65.2	68.3		4.67
	Dicofol	65.0	56.7	65.8		14.8
	Dieldrin	80.6	59.2	72.7		15.3
	Difenoconazole	119	105	121		14.0
	Dimethenamid	78.1	93.1	84.3		9.94
	Dimethomorph	117	164	135		19.5
	Disulfoton	76.1	114	90.6		22.8
	Dithiopyr	73.1	92.8	88.4		4.84
	Endosulfan I	79.4	71.1	80.5		12.5
	Endosulfan II	97.9	101	105		4.33
	Endosulfan Sulfate	71.2	62.3	70.7		12.6
	Endrin	79.1	62.2	61.6		0.856
	Endrin Aldehyde	86.8	42.1	40.2		4.65
	Endrin Ketone	101	131	114		13.5
	EPTC	33.5	61.7	30.2		68.5
	Esfenvalerate	99.2	77.0	102		27.6
	Ethalfuralin	73.2	71.0	78.7		10.4
	Ethion	60.5	75.5	53.5		34.1
	Ethoprop	64.2	87.4	74.6		15.8
	Etridiazole	44.7	69.5	45.8		41.1
	Fenamiphos	68.9	108	102		5.37
	Fenbuconazole	63.4	84.0	88.5		5.27
	Fenpropathrin	77.7	64.6	78.1		19.0
	Fipronil	55.4	88.1	81.5		7.71
	Fipronil Desulfinyl	86.5	101	94.2		7.15
	Fipronil Sulfide	74.3	84.5	74.8		12.2
	Fipronil Sulfone	86.4	94.5	95.1		0.661
	Fluazifop-P-butyl	80.4	99.5	97.5		2.06
	Fludioxonil	76.3	98.3	92.4		6.13
	Flumioxazin	154	140	146		4.21
	Flutolanil	79.3	84.5	74.9		12.0
	Fluxapyroxad	79.3	79.8	79.7		0.120
	Fonofos	75.7	98.6	80.7		19.9
	Gamma-BHC	111	112	126		12.0
	Gamma-Chlordane	92.2	68.8	81.6		11.5
	Heptachlor	88.9	63.5	88.0		32.4
	Heptachlor Epoxide	112	94.4	105		8.38
	Hexabromobenzene	59.9	79.3	76.2		3.98
	Hexachlorobenzene	48.7	40.5	54.1		28.8
	Hexazinone	69.8	83.0	72.2		14.0
	Imazalil	65.2	95.0	82.8		13.8
	Iprodione	74.0	94.5	90.9		3.87
	Kepone	76.1	76.9	96.8		22.9
	Lambda-Cyhalothrin	85.1	64.0	69.9		8.80
	Loratadine	100	138	133		3.44
	Malathion	90.3	107	88.1		19.1
	Metalaxyl	64.4	73.8	65.3		12.2
	Methoprene	104	87.9	99.2		12.0
	Methoxychlor	88.7	75.9	91.3		18.5

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Metolachlor	78.8	93.6	83.1		11.9
	Metribuzin	67.0	78.2	81.7		4.33
	Mevinphos	79.4	119	92.4		25.2
	MGK-264	81.7	80.2	94.5		16.3
	Mirex	66.8	50.1	36.1		32.6
	Molinate	44.0	60.6	43.0		34.1
	Myclobutanil	64.5	91.5	80.0		13.4
	Naled	40.4	64.3	45.3		34.7
	Napropamide	60.9	85.9	70.1		20.3
	Norflurazon	82.4	93.1	87.4		6.35
	Octinoxate	63.9	75.0	80.9		7.61
	Oxadiazon	61.8	74.5	69.6		6.82
	Oxybenzone	65.9	80.3	86.3		7.20
	Oxychlordane	83.1	74.9	99.2		27.9
	Oxyfluorfen	97.6	110	99.2		10.3
	Parathion Ethyl	65.6	89.6	77.6		14.4
	Parathion Methyl	78.3	113	99.4		12.4
	PBB-153	60.1	79.7	76.9		3.65
	PBDE-47	60.3	58.4	66.7		13.2
	PBDE-99	64.1	76.8	76.9		0.114
	PCB-1016	72.8	74.9	64.7		14.7
	PCB-1260	90.1	93.7	84.8		9.94
	Pendimethalin	102	136	127		7.32
	Pentabromotoluene	60.2	79.7	86.6		8.30
	Permethrin	81.6	69.8	89.8		25.1
	Phenothrin	65.4	55.8	67.7		19.3
	Phenytoin	49.6	66.7	52.4		24.0
	Phorate	69.3	96.8	78.1		21.3
	Piperonyl Butoxide	90.9	94.4	81.2		13.7
	Prallethrin	69.3	68.3	72.4		5.89
	Prodiamine	49.6	57.8	60.6		4.68
	Prometon	80.0	102	87.0		16.0
	Prometryn	74.3	92.8	86.7		6.85
	Pronamide	82.5	111	89.9		20.9
	Propanil	116	132	144		8.19
	Propargite	40.3	47.0	40.7		14.4
	Propiconazole	70.3	67.6	76.2		12.0
	Pyraflufen Ethyl	83.9	78.4	92.9		16.9
	Pyridaben	81.9	111	116		4.29
	Pyriproxyfen	80.3	89.9	83.7		7.15
	Simazine	68.4	88.3	82.4		6.96
	Stirophos	69.3	83.7	72.6		14.2
	Sulfentrazone	72.6	97.6	94.3		3.44
	Tau-Fluvalinate	84.3	63.0	78.3		21.6
	Tebuconazole	60.6	56.9	52.5		8.05
	Terbufos	73.9	96.5	80.3		18.3
	Terbutylazine	68.8	84.9	73.4		14.6
	Tetradecachloro-m-terphenyl	69.2	96.7	119		21.0
	Tetramethrin	109	97.4	114		15.7
	Thiobencarb	77.0	95.0	90.2		5.12
	Trans-Nonachlor	79.2	84.1	78.5		5.07
	Tri-o-cresyl Phosphate	69.8	84.6	88.4		4.48
	Triadimefon	62.2	90.4	71.9		22.8
	Triclosan Methyl	101	93.1	90.9		2.39

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	Trifluralin	75.0	68.9	82.1		17.4
	Tris(1-chloro-2-propyl) phosphate (TCPP)	78.9	116	113		2.71
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	74.5	99.7	102		2.29
	Tris(2-chloroethyl) phosphate (TCEP)	95.1	120	127		5.92
EPA 8276	Chlordane	112	123	119		2.81
	Toxaphene	113	142	136		3.92
EPA 8321B	2,4-D	93.9	93.5	106		12.1
	2,4-D	98.9	85.8	84.2		1.67
	2,4,5-T	103	89.0	103		14.7
	2,4,5-T	104	93.8	97.7		4.05
	3-Hydroxycarbofuran	67.3	48.1	45.5		5.51
	Acesulfame K	121	125	127		1.20
	Acesulfame K	128	136	136		0.154
	Acetaminophen	86.4	99.9	103		3.07
	Acetaminophen	85.8	106	107		1.23
	Acetamiprid	84.1	84.9	88.7		4.38
	Acetamiprid	75.8	79.9	93.8		16.0
	Afidopyropen	68.1	77.2	60.6		24.0
	Afidopyropen	59.5	102	88.7		14.2
	Aldicarb	59.9	47.7	43.7		8.69
	Aldicarb Sulfone	95.0	71.7	76.3		6.23
	Aldicarb Sulfoxide	107	24.6	22.6		8.50
	AMPA	114	111	111		0.157
	AMPA	115	119	116		2.26
	Bentazon	81.9	42.0	44.8		6.35
	Bentazon	79.7	41.3	41.4		0.245
	Benzovindiflupyr	81.9	93.9	95.3		1.52
	Benzovindiflupyr	78.3	101	96.1		4.67
	Carbamazepine	84.7	91.1	91.6		0.521
	Carbamazepine	82.5	82.0	80.2		2.24
	Carbaryl	78.8	59.1	61.0		3.13
	Carbofuran	72.9	52.2	51.2		1.79
	Clothianidin	91.9	109	110		1.23
	Clothianidin	88.8	105	106		0.784
	Dinotefuran	100	116	118		1.37
	Dinotefuran	95.7	111	111		0.0879
	Diuron	77.7	84.3	78.9		6.65
	Diuron	82.9	83.4	82.1		1.52
	Endothall	92.1	98.5	98.0		0.529
	Endothall	102	105	114		7.90
	Fenuron	93.3	88.8	90.6		1.96
	Fenuron	88.3	75.0	77.4		3.14
	Fluridone	90.3	90.7	92.8		2.28
	Fluridone	89.2	87.3	91.9		5.18
	Glufosinate	95.9	91.3	93.4		2.34
	Glufosinate	96.6	99.7	97.1		2.62
	Glyphosate	101	100	102		1.63
	Glyphosate	113	112	111		0.548
	Hydrocodone	101	103	107		4.39
	Hydrocodone	98.1	94.3	98.2		4.07
	Ibuprofen	70.8	85.9	82.4		4.14

Quality Assurance Report

Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
			LCS	SMP	MS	
EPA 8321B	Ibuprofen	65.5	64.0	88.7		32.4
	Imazapyr	86.6	107	110		2.06
	Imazapyr	86.5	112	111		0.353
	Imidacloprid	89.6	126	128		2.00
	Imidacloprid	84.2	127	129		1.59
	Linuron	77.8	89.6	83.5		7.11
	Linuron	77.3	81.3	81.1		0.176
	Mandestrobin	88.7	101	104		2.81
	Mandestrobin	86.6	103	105		1.70
	MCPP	83.4	90.1	91.6		1.61
	MCPP	94.4	107	101		5.94
	Methiocarb	67.4	57.8	58.5		1.27
	Methomyl	93.7	62.8	64.0		1.85
	Naproxen	70.5	78.2	67.1		15.3
	Naproxen	73.5	87.1	94.7		8.44
	Oxamyl	86.7	62.7	64.8		3.30
	Primidone	88.0	100	105		5.09
	Primidone	79.7	98.6	104		5.29
	Propoxur	66.1	49.5	51.0		3.07
	Pyraclostrobin	87.5	96.0	95.9		0.0905
	Pyraclostrobin	86.6	99.5	98.7		0.864
	Silvex	82.1	85.3	92.8		8.48
	Silvex	92.4	93.1	92.8		0.284
	Sucralose	82.5	86.4	85.1		1.60
	Sucralose	86.1	87.2	85.1		2.41
	Thiamethoxam	97.9	116	120		2.78
	Thiamethoxam	86.7	107	110		3.10
	Tolfenpyrad	56.4	58.9	65.7		10.9
	Tolfenpyrad	49.4	64.3	60.6		5.91
	Triclopyr	112	95.7	103		6.91
	Triclopyr	105	92.4	95.4		3.28
SM 2320 B-2011	Total Alkalinity	97.7			0.759	
SM 2540 C-2015	TDS	95.6			3.25	
	TDS	103			2.57	
SM 2540 D-2015	TSS	96.0				
	TSS	96.8				
SM 4500-F- C-2011	Fluoride	102				0.0
SM 5310 B-2014	Organic Carbon	96.6	100	101		0.147

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540

Reference Method Descriptions

Method	Description	Associated Samples
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2464585, 2464587
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2464584, 2464586
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2464585, 2464587
EPA 8270E	PCBs in water matrices by GC/MS/MS	2464584, 2464586
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2464584, 2464586
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2464571, 2464578
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2464572, 2464573, 2464574, 2464575, 2464576, 2464577, 2464579
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2464528, 2464530, 2464532, 2464534, 2464536, 2464538, 2464540

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	01/31/2024			01/31/2024 15:39	Chandler E Cox	2464527
	01/31/2024			01/31/2024 15:40	Chandler E Cox	2464529
	01/31/2024			01/31/2024 15:41	Chandler E Cox	2464531, 2464533
	01/31/2024			01/31/2024 15:42	Chandler E Cox	2464535
	01/31/2024			01/31/2024 15:44	Chandler E Cox	2464537, 2464539
EPA 180.1 Rev. 2.0	01/31/2024			01/31/2024 14:04	Dipa Joshi	2464527
	01/31/2024			01/31/2024 14:06	Dipa Joshi	2464529
	01/31/2024			01/31/2024 14:07	Dipa Joshi	2464531
	01/31/2024			01/31/2024 14:09	Dipa Joshi	2464533
	01/31/2024			01/31/2024 14:10	Dipa Joshi	2464535
EPA 300.0 Rev. 2.1	01/31/2024			01/31/2024 14:11	Dipa Joshi	2464537
	01/31/2024			01/31/2024 14:12	Dipa Joshi	2464539
	01/31/2024			02/06/2024 14:47	James L Waggerby	2464527
	01/31/2024			02/06/2024 15:02	James L Waggerby	2464529
	01/31/2024			02/06/2024 15:17	James L Waggerby	2464531
EPA 350.1 Rev. 2.0	01/31/2024			02/06/2024 15:32	James L Waggerby	2464533
	01/31/2024			02/06/2024 15:47	James L Waggerby	2464535
	01/31/2024			02/06/2024 16:02	James L Waggerby	2464537
	01/31/2024			02/07/2024 15:15	James L Waggerby	2464539
	01/31/2024			02/16/2024 17:04	James L Waggerby	2464539
EPA 351.2 Rev. 2.0	01/31/2024			02/07/2024 12:56	Kenneth H Lee	2464528
	01/31/2024			02/07/2024 12:58	Kenneth H Lee	2464530
	01/31/2024			02/07/2024 12:59	Kenneth H Lee	2464532
	01/31/2024			02/07/2024 13:12	Kenneth H Lee	2464534
	01/31/2024			02/07/2024 13:16	Kenneth H Lee	2464536
EPA 353.2 Rev. 2.0	01/31/2024			02/07/2024 13:18	Kenneth H Lee	2464538
	01/31/2024			02/07/2024 13:27	Kenneth H Lee	2464540
	01/31/2024	02/01/2024 11:30	Samantha L Bates	02/02/2024 12:58	Samantha L Bates	2464534
	01/31/2024	02/01/2024 11:30	Samantha L Bates	02/02/2024 13:00	Samantha L Bates	2464536
	01/31/2024	02/02/2024 12:22	Ping Hua	02/06/2024 11:22	Ping Hua	2464530
EPA 353.2 Rev. 2.0	01/31/2024	02/02/2024 12:22	Ping Hua	02/06/2024 11:24	Ping Hua	2464532
	01/31/2024	02/02/2024 12:22	Ping Hua	02/06/2024 11:29	Ping Hua	2464538
	01/31/2024	02/02/2024 12:22	Ping Hua	02/06/2024 11:31	Ping Hua	2464540
	01/31/2024	02/13/2024 10:54	Samantha L Bates	02/14/2024 10:39	Samantha L Bates	2464528
	01/31/2024			02/05/2024 13:42	Fadila Guebre	2464528
EPA 353.2 Rev. 2.0	01/31/2024			02/05/2024 13:43	Fadila Guebre	2464530
	01/31/2024			02/05/2024 13:44	Fadila Guebre	2464532
	01/31/2024			02/05/2024 13:46	Fadila Guebre	2464534
	01/31/2024			02/05/2024 13:47	Fadila Guebre	2464536
	01/31/2024			02/05/2024 13:56	Fadila Guebre	2464538

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 353.2 Rev. 2.0	01/31/2024			02/05/2024 14:02	Fadila Guebre	2464540
EPA 365.1 Rev. 2.0	01/31/2024	02/02/2024 13:37	Adam P Silver	02/05/2024 11:13	Chandler E Cox	2464528
	01/31/2024	02/02/2024 13:37	Adam P Silver	02/05/2024 11:24	Chandler E Cox	2464530
	01/31/2024	02/02/2024 13:37	Adam P Silver	02/05/2024 11:27	Chandler E Cox	2464536
	01/31/2024	02/02/2024 13:37	Adam P Silver	02/05/2024 11:32	Chandler E Cox	2464532
	01/31/2024	02/02/2024 13:37	Adam P Silver	02/05/2024 11:33	Chandler E Cox	2464538
	01/31/2024	02/02/2024 13:37	Adam P Silver	02/05/2024 12:20	Chandler E Cox	2464540
	01/31/2024	02/02/2024 13:37	Adam P Silver	02/05/2024 12:21	Chandler E Cox	2464534
EPA 8270E	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/09/2024 22:09	Lipi Saha	2464584
	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/09/2024 22:40	Lipi Saha	2464586
	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/10/2024 00:18	Lipi Saha	2464584
	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/10/2024 00:48	Lipi Saha	2464586
	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/13/2024 22:18	Lipi Saha	2464584
	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/13/2024 22:47	Lipi Saha	2464586
	01/31/2024	02/05/2024 08:00	Rasheda Ghaffari	02/07/2024 20:58	Arthur Maknenko	2464585
	01/31/2024	02/05/2024 08:00	Rasheda Ghaffari	02/07/2024 21:24	Arthur Maknenko	2464587
	01/31/2024	02/05/2024 08:00	Rasheda Ghaffari	02/08/2024 20:15	Julie Wi	2464585
	01/31/2024	02/05/2024 08:00	Rasheda Ghaffari	02/08/2024 20:42	Julie Wi	2464587
EPA 8276	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/06/2024 14:09	Kenedi Mills	2464584
	01/31/2024	02/02/2024 08:00	Fe-Val Siddell	02/06/2024 15:05	Kenedi Mills	2464586
EPA 8321B	01/31/2024	01/31/2024 12:00	Hana Lee	01/31/2024 18:39	Hana Lee	2464576
	01/31/2024	01/31/2024 12:00	Hana Lee	01/31/2024 18:53	Hana Lee	2464577
	01/31/2024	01/31/2024 12:00	Hana Lee	01/31/2024 19:07	Hana Lee	2464579
	01/31/2024	01/31/2024 12:00	Hana Lee	01/31/2024 21:55	Hana Lee	2464575
	01/31/2024	01/31/2024 12:00	Hana Lee	02/01/2024 10:33	Hana Lee	2464575
	01/31/2024	01/31/2024 12:00	Hana Lee	02/01/2024 10:47	Hana Lee	2464576
	01/31/2024	01/31/2024 12:00	Hana Lee	02/01/2024 11:00	Hana Lee	2464577
	01/31/2024	01/31/2024 12:00	Hana Lee	02/01/2024 11:14	Hana Lee	2464579
	01/31/2024	01/31/2024 13:00	Hana Lee	01/31/2024 16:19	Hana Lee	2464572
	01/31/2024	01/31/2024 13:00	Hana Lee	01/31/2024 16:33	Hana Lee	2464573
	01/31/2024	01/31/2024 13:00	Hana Lee	01/31/2024 16:47	Hana Lee	2464574
	01/31/2024	01/31/2024 13:00	Hana Lee	01/31/2024 19:21	Hana Lee	2464572
	01/31/2024	01/31/2024 13:00	Hana Lee	01/31/2024 19:35	Hana Lee	2464573
	01/31/2024	01/31/2024 13:00	Hana Lee	01/31/2024 19:48	Hana Lee	2464574
	01/31/2024	02/01/2024 09:00	Hoor Shaik	02/02/2024 07:49	Juyoung Kim	2464572
	01/31/2024	02/01/2024 09:00	Hoor Shaik	02/02/2024 08:07	Juyoung Kim	2464573
	01/31/2024	02/02/2024 11:30	Hoor Shaik	02/02/2024 19:48	Juyoung Kim	2464575
	01/31/2024	02/02/2024 11:30	Hoor Shaik	02/02/2024 20:05	Juyoung Kim	2464574
	01/31/2024	02/02/2024 11:30	Hoor Shaik	02/02/2024 20:23	Juyoung Kim	2464576
	01/31/2024	02/02/2024 11:30	Hoor Shaik	02/02/2024 20:59	Juyoung Kim	2464577

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	01/31/2024	02/02/2024 11:30	Hoor Shaik	02/02/2024 21:17	Juyoung Kim	2464579
	01/31/2024	02/06/2024 09:00	Hoor Shaik	02/06/2024 19:05	Juyoung Kim	2464571
	01/31/2024	02/06/2024 09:00	Hoor Shaik	02/06/2024 19:41	Juyoung Kim	2464578
SM 2320 B-2011	01/31/2024			02/03/2024 06:56	Dale L. Simmons	2464539
	01/31/2024			02/03/2024 08:50	Dale L. Simmons	2464531
	01/31/2024			02/03/2024 09:05	Dale L. Simmons	2464529
	01/31/2024			02/03/2024 09:19	Dale L. Simmons	2464535
	01/31/2024			02/03/2024 09:34	Dale L. Simmons	2464527
	01/31/2024			02/03/2024 09:48	Dale L. Simmons	2464533
	01/31/2024			02/03/2024 10:02	Dale L. Simmons	2464537
	01/31/2024			02/02/2024 15:41	Yijie Li	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
SM 2540 C-2015						
SM 2540 D-2015	01/31/2024			02/02/2024 15:41	Yijie Li	2464527, 2464529, 2464531, 2464533, 2464535, 2464537, 2464539
SM 4500-F- C-2011	01/31/2024			02/03/2024 06:56	Dale L. Simmons	2464539
	01/31/2024			02/03/2024 08:50	Dale L. Simmons	2464531
	01/31/2024			02/03/2024 09:05	Dale L. Simmons	2464529
	01/31/2024			02/03/2024 09:19	Dale L. Simmons	2464535
	01/31/2024			02/03/2024 09:34	Dale L. Simmons	2464527
	01/31/2024			02/03/2024 09:48	Dale L. Simmons	2464533
	01/31/2024			02/03/2024 10:02	Dale L. Simmons	2464537
	01/31/2024			02/02/2024 18:22	Khloe J Berg	2464528
SM 5310 B-2014	01/31/2024			02/02/2024 18:36	Khloe J Berg	2464530
	01/31/2024			02/02/2024 18:50	Khloe J Berg	2464532
	01/31/2024			02/02/2024 19:04	Khloe J Berg	2464534
	01/31/2024			02/02/2024 19:18	Khloe J Berg	2464536
	01/31/2024			02/02/2024 19:32	Khloe J Berg	2464538
	01/31/2024			02/02/2024 19:45	Khloe J Berg	2464540