Chemical Analysis Report

SE-DIST-2024-04-16-01

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

Event Description: **SMP - Vero Beach (w Blank) (w Boat sites)**
Request ID: **RQ-2024-03-11-35**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
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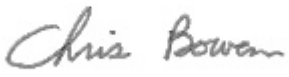
Certified by: Chris Bowen, Environmental Administrator

Date Certified: 21-MAY-2024 15:42



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: SOUTH IRL OUTSIDE BOB SUMMERS PARK **Collection Date/Time: 04/15/2024 09:45**

Field ID: G5SE0088 Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482494	EPA 8321B	Acesulfame K	0.10	U	ug/L	P444285	
		2,4-D	0.0040	I	ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	1.0	U	ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	1.0	U	ug/L	P444285	
		Glyphosate	1.0	U	ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	0.0059		ug/L	P444166	
		Sucralose	0.16		ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	0.0033		ug/L	P444166	
		Imazapyr	0.0041	I	ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	
		Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0020	U	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0040	U	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	
		Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	

Ref. Method and Comment:
EPA 8321B: Some MDLs are elevated due to required dilution of sample matrix.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: UNNAMED CANAL NEAR 85TH ST **Collection Date/Time: 04/15/2024 10:40**

Field ID: G5SE0144 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482449	DEP SOP: NU-094-1	Color (true)	18		PCU	P444312	
	EPA 180.1 Rev. 2.0	Turbidity	3.1		NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	650		mg Cl/L	P444910	
		Sulfate	150		mg SO4/L	P444913	
	SM 2320 B-2011	Total Alkalinity	160		mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	1.52E+03		mg/L	P444843	
	SM 2540 D-2015	TSS	7	I	mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.62		mg F/L	P444461	
2482450	EPA 350.1 Rev. 2.0	Ammonia-N	0.016		mg N/L	P444480	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.50		mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.016		mg N/L	P444718	
	EPA 365.1 Rev. 2.0	Total-P	0.056		mg P/L	P444489	
	SM 5310 B-2014	Organic Carbon	5.2		mg C/L	P444683	
2482490	EPA 8321B	Acesulfame K	0.10	U	ug/L	P444285	
		2,4-D	0.0030	I	ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	0.10	U	ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	0.10	U	ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	0.0051		ug/L	P444166	
		Sucralose	0.051		ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	8.0E-04	U	ug/L	P444166	
		Imazapyr	0.0040	U	ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	
		Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0020	U	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0040	U	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	

Field ID: G5SE0144 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482490	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: LATERAL C CANAL NEAR 85TH ST **Collection Date/Time: 04/15/2024 10:55**

Field ID: G5SE0143 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482447	DEP SOP: NU-094-1	Color (true)	16		PCU	P444312	
	EPA 180.1 Rev. 2.0	Turbidity	4.1		NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	710		mg Cl/L	P444909	
		Sulfate	150		mg SO4/L	P444912	
	SM 2320 B-2011	Total Alkalinity	167		mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	1.63E+03	Q	mg/L	P445465	
	SM 2540 D-2015	TSS	3	I	mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.56		mg F/L	P444461	
2482448	EPA 350.1 Rev. 2.0	Ammonia-N	0.12		mg N/L	P444480	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.55		mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.062		mg N/L	P444718	
	EPA 365.1 Rev. 2.0	Total-P	0.040		mg P/L	P444489	
	SM 5310 B-2014	Organic Carbon	5.8		mg C/L	P444683	
2482489	EPA 8321B	Acesulfame K	0.10	U	ug/L	P444285	
		2,4-D	0.0020	U	ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	0.10	U	ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	0.10	U	ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	8.0E-04	U	ug/L	P444166	
		Sucralose	0.013	I	ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	8.0E-04	U	ug/L	P444166	
		Imazapyr	0.0043	I	ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	
		Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0020	U	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0040	U	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	

Field ID: G5SE0143 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482489	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	

Ref. Method and Comment:
SM 2540 C-2015: The sample was reanalyzed out of holding time because of analytical difficulties.
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: LATERAL C CANAL NEAR 69TH ST **Collection Date/Time: 04/15/2024 11:30**

Field ID: G5SE0141 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482451	DEP SOP: NU-094-1	Color (true)	20		PCU	P444312	
	EPA 180.1 Rev. 2.0	Turbidity	3.2		NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	780		mg Cl/L	P444910	
		Sulfate	170		mg SO4/L	P444913	
	SM 2320 B-2011	Total Alkalinity	176		mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	1.78E+03	Q	mg/L	P445465	
	SM 2540 D-2015	TSS	6	I	mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.48		mg F/L	P444461	
2482452	EPA 350.1 Rev. 2.0	Ammonia-N	0.077		mg N/L	P444480	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.59		mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.071		mg N/L	P444718	
	EPA 365.1 Rev. 2.0	Total-P	0.037		mg P/L	P444489	
	SM 5310 B-2014	Organic Carbon	7.0		mg C/L	P444683	
2482491	EPA 8321B	Acesulfame K	0.10	U	ug/L	P444285	
		2,4-D	0.0020	U	ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	0.10	U	ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	0.10	U	ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	8.0E-04	U	ug/L	P444166	
		Sucralose	0.010	U	ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	8.0E-04	U	ug/L	P444166	
		Imazapyr	0.0079	I	ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	
		Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0020	U	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0040	U	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	

Field ID: G5SE0141 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482491	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	

Ref. Method and Comment:
SM 2540 C-2015: The sample was reanalyzed out of holding time because of analytical difficulties.
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: MAIN CANAL AT KINGS HIGHWAY **Collection Date/Time: 04/15/2024 12:25**

Field ID: G5SE0115 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482445	DEP SOP: NU-094-1	Color (true)	38	A	PCU	P444312	
	EPA 180.1 Rev. 2.0	Turbidity	2.3		NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	520		mg Cl/L	P444909	
		Sulfate	100		mg SO4/L	P444912	
	SM 2320 B-2011	Total Alkalinity	190		mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	1.18E+03		mg/L	P444843	
	SM 2540 D-2015	TSS	9	I	mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.50		mg F/L	P444461	
2482446	EPA 350.1 Rev. 2.0	Ammonia-N	0.005	I	mg N/L	P444479	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.59		mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P444718	
	EPA 365.1 Rev. 2.0	Total-P	0.033		mg P/L	P444357	
	SM 5310 B-2014	Organic Carbon	11		mg C/L	P444683	
2482488	EPA 8321B	Acesulfame K	0.10	I	ug/L	P444285	
		2,4-D	0.019		ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	1.2		ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	1.9		ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	0.011		ug/L	P444166	
		Sucralose	2.5		ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	0.0034		ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	0.0028	I	ug/L	P444166	
		Imazapyr	0.067		ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	
		Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0020	U	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.030		ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	

Field ID: G5SE0115 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482488	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: SOUTH CANAL AT 20TH AVE **Collection Date/Time: 04/15/2024 12:50**

Field ID: G5SE0086 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482443	DEP SOP: NU-094-1	Color (true)	39		PCU	P444312	
	EPA 180.1 Rev. 2.0	Turbidity	7.1		NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	180		mg Cl/L	P444909	
		Sulfate	42		mg SO4/L	P444912	
	SM 2320 B-2011	Total Alkalinity	224		mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	596		mg/L	P444843	
	SM 2540 D-2015	TSS	10		mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.24		mg F/L	P444461	
2482444	EPA 350.1 Rev. 2.0	Ammonia-N	0.10		mg N/L	P444479	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.64		mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.020		mg N/L	P444718	
	EPA 365.1 Rev. 2.0	Total-P	0.29		mg P/L	P444357	
	SM 5310 B-2014	Organic Carbon	11		mg C/L	P444683	
2482487	EPA 8321B	Acesulfame K	0.62		ug/L	P444285	
		2,4-D	0.0042	I	ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	0.47		ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	0.49		ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	0.048		ug/L	P444166	
		Sucralose	0.66		ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	0.0034		ug/L	P444166	
		Imazapyr	0.061		ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	
		Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0020	U	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0071	I	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	

Field ID: G5SE0086 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482487	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.

Sample Location: VERO NORTH CANAL AT 66TH AVE **Collection Date/Time: 04/15/2024 11:55**

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482441	DEP SOP: NU-094-1	Color (true)	38		PCU	P444312	
	EPA 180.1 Rev. 2.0	Turbidity	5.1		NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	410		mg Cl/L	P444909	
		Sulfate	98		mg SO4/L	P444912	
	SM 2320 B-2011	Total Alkalinity	185		mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	908		mg/L	P444843	
	SM 2540 D-2015	TSS	8	I	mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.61		mg F/L	P444461	
2482442	EPA 350.1 Rev. 2.0	Ammonia-N	0.029		mg N/L	P444479	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.65		mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P444718	
	EPA 365.1 Rev. 2.0	Total-P	0.16		mg P/L	P444357	
	SM 5310 B-2014	Organic Carbon	10		mg C/L	P444591	
2482485	EPA 8321B	Aldicarb	0.020	U	ug/L	P444283	
		Aldicarb Sulfone	0.0020	U	ug/L	P444283	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P444283	MS
		Carbaryl	0.0020	U	ug/L	P444283	
		Carbofuran	0.0020	U	ug/L	P444283	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P444283	MS, RPD
		Methiocarb	0.0020	U	ug/L	P444283	
		Methomyl	0.0020	U	ug/L	P444283	
		Oxamyl	0.0020	U	ug/L	P444283	
		Propoxur	0.0020	U	ug/L	P444283	MS
2482486		Acesulfame K	0.10	U	ug/L	P444285	
		2,4-D	0.030		ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	1.8		ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	1.7		ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	0.020		ug/L	P444166	
		Sucralose	0.12		ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.012		ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	0.0011	I	ug/L	P444166	
		Imazapyr	0.016		ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482486	EPA 8321B	Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0025	I	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0027	I	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0040	U	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.072		ug/L	P444166	
		Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	
2482499	EPA 8270E	Aldrin	0.68	U	ng/L	P444318	
		Alpha-BHC	0.10	U	ng/L	P444318	
		Alpha-Chlordane	0.21	U	ng/L	P444318	
		PCB-1016	2.1	U	ng/L	P444318	
		Beta-BHC	0.10	U	ng/L	P444318	
		PCB-1221	2.1	U	ng/L	P444318	
		Beta-Cyfluthrin	1.3	U	ng/L	P444318	
		PCB-1232	2.1	U	ng/L	P444318	
		Bifenthrin	0.52	U	ng/L	P444318	
		PCB-1242	2.1	U	ng/L	P444318	
		PCB-1248	2.1	U	ng/L	P444318	
		Chlorothalonil	3.7	U	ng/L	P444318	
		PCB-1254	2.1	U	ng/L	P444318	
		Cis-Nonachlor	0.21	U	ng/L	P444318	
		PCB-1260	2.1	U	ng/L	P444318	
		Cypermethrin	1.6	U	ng/L	P444318	
		Dacthal	0.16	U	ng/L	P444318	
		DDD-p,p'	0.26	U	ng/L	P444318	
		DDE-p,p'	0.21	U	ng/L	P444318	
		DDT-p,p'	0.83	U	ng/L	P444318	
		Delta-BHC	0.42	U	ng/L	P444318	
		Deltamethrin	1.3	U	ng/L	P444318	
		Dichlobenil	0.26	U	ng/L	P444318	
		Dicofol	1.3	U	ng/L	P444318	
		Dieldrin	0.42	U	ng/L	P444318	
		Endosulfan I	0.42	U	ng/L	P444318	
		Endosulfan II	0.94	U	ng/L	P444318	
		Endosulfan Sulfate	0.31	U	ng/L	P444318	
		Endrin	0.94	U	ng/L	P444318	
		Endrin Aldehyde	0.78	U	ng/L	P444318	
		Endrin Ketone	0.42	U	ng/L	P444318	
		Esfenvalerate	0.78	U	ng/L	P444318	
		Ethalfluralin	0.16	U	ng/L	P444318	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482499	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P444318	
		Gamma-BHC	0.13	U	ng/L	P444318	
		Gamma-Chlordane	0.21	U	ng/L	P444318	
		Heptachlor	0.21	U	ng/L	P444318	
		Heptachlor Epoxide	0.26	U	ng/L	P444318	
		Hexachlorobenzene**	1.0	U	ng/L	P444318	
		Kepone	14	UJ	ng/L	P444318	CCV
		Lambda-Cyhalothrin	0.78	U	ng/L	P444318	
		Methoprene	0.78	U	ng/L	P444318	
		Methoxychlor	0.31	U	ng/L	P444318	
		MGK-264	0.21	U	ng/L	P444318	
		Mirex	0.36	U	ng/L	P444318	
		Oxychlordane	0.31	U	ng/L	P444318	
		Permethrin	1.7	U	ng/L	P444318	
		Phenothrin	0.94	U	ng/L	P444318	
		Piperonyl Butoxide	0.16	U	ng/L	P444318	
		Prallethrin	2.1	U	ng/L	P444318	
		Tau-Fluvalinate	0.26	U	ng/L	P444318	
		Tetramethrin	0.78	U	ng/L	P444318	
		Trans-Nonachlor	0.21	U	ng/L	P444318	
		Triclosan Methyl	0.16	U	ng/L	P444318	
		Trifluralin	0.21	U	ng/L	P444318	
	EPA 8276	Chlordane	2.1	U	ng/L	P444318	
		Toxaphene	16	U	ng/L	P444318	
2482500	EPA 8270E	Oxybenzone**	11	UJ	ng/L	P444295	MS, RPD
		Acetochlor	0.21	U	ng/L	P444295	
		Octinoxate**	160	U	ng/L	P444295	
		Alachlor	0.42	U	ng/L	P444295	
		Avobenzone**	110	U	ng/L	P444295	
		Ametryn	1.2	U	ng/L	P444295	
		Atrazine	7.5		ng/L	P444295	
		PBDE-47**	4.2	U	ng/L	P444295	
		Atrazine Desethyl	1.4	U	ng/L	P444295	
		PBDE-99**	5.3	U	ng/L	P444295	
		Azinphos Methyl	3.2	U	ng/L	P444295	
		Tri-o-cresyl Phosphate**	6.3	U	ng/L	P444295	
		Azoxystrobin	0.42	U	ng/L	P444295	
		Bromacil	9.7		ng/L	P444295	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	13	U	ng/L	P444295	
		Butylate	0.47	U	ng/L	P444295	
		Dechlorane Plus**	32	U	ng/L	P444295	
		Caffeine**	7.9	U	ng/L	P444295	
		Dechlorane 602**	5.3	U	ng/L	P444295	
		Carbophenothion	0.53	U	ng/L	P444295	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482500	EPA 8270E	Dechlorane 603**	4.2	U	ng/L	P444295	
		Carfentrazone Ethyl	0.16	U	ng/L	P444295	
		Hexabromobenzene**	6.3	UJ	ng/L	P444295	MS
		Chlorfenapyr	0.32	U	ng/L	P444295	
		PBB-153**	6.3	U	ng/L	P444295	
		Chlorpyrifos Ethyl	0.32	U	ng/L	P444295	
		Pentabromotoluene**	3.2	UJ	ng/L	P444295	MS, RPD
		Chlorpyrifos Methyl	0.11	U	ng/L	P444295	
		Tris(2-chloroethyl) phosphate (TCEP)**	58	UJ	ng/L	P444295	MS, RPD
		Coumaphos	1.1	U	ng/L	P444295	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	26	UJ	ng/L	P444295	MS, RPD
		Cyanazine	5.3	U	ng/L	P444295	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.6	UJ	ng/L	P444295	LCS, MS, RPD
		Cyprodinil	0.21	U	ng/L	P444295	
		Tetradecachloro-m-terphenyl**	7.9	U	ng/L	P444295	
		Demeton	3.7	U	ng/L	P444295	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	63	U	ng/L	P444295	
		Diazinon	0.13	U	ng/L	P444295	
		Difenoconazole	0.63	U	ng/L	P444295	
		Dimethenamid	0.11	U	ng/L	P444295	
		Dimethomorph	0.32	U	ng/L	P444295	
		Disulfoton	0.63	U	ng/L	P444295	
		Dithiopyr	1.1	U	ng/L	P444295	
		EPTC	0.53	U	ng/L	P444295	
		Ethion	0.32	U	ng/L	P444295	
		Ethoprop	0.13	U	ng/L	P444295	
		Etridiazole	0.11	U	ng/L	P444295	
		Fenamiphos	0.47	U	ng/L	P444295	
		Fenbuconazole	0.53	U	ng/L	P444295	
		Fipronil	0.89	I	ng/L	P444295	
		Fipronil Desulfinyl**	1.6		ng/L	P444295	
		Fipronil Sulfide	1.3		ng/L	P444295	
		Fipronil Sulfone	0.66		ng/L	P444295	
		Fluazifop-P-butyl	0.11	U	ng/L	P444295	
		Fludioxonil	0.11	U	ng/L	P444295	
		Flumioxazin	3.2	U	ng/L	P444295	
		Flutolanil	0.11	U	ng/L	P444295	
		Fluxapyroxad	0.26	U	ng/L	P444295	
		Fonofos	0.16	U	ng/L	P444295	
		Hexazinone	0.53	U	ng/L	P444295	
		Imazalil	0.68	U	ng/L	P444295	
		Iprodione	0.53	U	ng/L	P444295	
		Loratadine**	0.32	U	ng/L	P444295	
		Malathion	0.37	U	ng/L	P444295	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482500	EPA 8270E	Metalaxyl	65		ng/L	P444295	
		Metolachlor	0.79	U	ng/L	P444295	
		Metribuzin	0.42	U	ng/L	P444295	
		Mevinphos	1.1	U	ng/L	P444295	
		Molinate	0.26	U	ng/L	P444295	
		Myclobutanil	0.37	U	ng/L	P444295	
		Naled	2.6	U	ng/L	P444295	
		Napropamide	0.74	U	ng/L	P444295	
		Norflurazon	11		ng/L	P444295	
		Oxadiazon	1.2	I	ng/L	P444295	
		Oxyfluorfen	0.21	U	ng/L	P444295	
		Parathion Ethyl	0.16	U	ng/L	P444295	
		Parathion Methyl	0.21	U	ng/L	P444295	
		Pendimethalin	1.8	U	ng/L	P444295	
		Phenytoin**	5.6	U	ng/L	P444295	
		Phorate	0.26	U	ng/L	P444295	
		Prodiamine	0.21	U	ng/L	P444295	
		Prometon	3.2	U	ng/L	P444295	
		Prometryn	0.37	U	ng/L	P444295	
		Pronamide	0.11	U	ng/L	P444295	
		Propanil	0.11	U	ng/L	P444295	
		Propargite	0.84	U	ng/L	P444295	
		Propiconazole	0.63	U	ng/L	P444295	
		Pyraflufen Ethyl	0.32	U	ng/L	P444295	
		Pyridaben	1.5	U	ng/L	P444295	
		Pyriproxyfen	0.26	U	ng/L	P444295	
		Simazine	0.26	U	ng/L	P444295	
		Stirophos	0.42	U	ng/L	P444295	
		Sulfentrazone	1.5	U	ng/L	P444295	
		Tebuconazole	1.5	U	ng/L	P444295	
		Terbufos	0.21	U	ng/L	P444295	
		Terbuthylazine	0.21	U	ng/L	P444295	
		Thiobencarb	0.53	U	ng/L	P444295	
		Triadimefon	0.16	U	ng/L	P444295	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for metalaxyl not assessed due to high content of this parameter in the sample spiked.

Sample Location: FB **Collection Date/Time: 04/15/2024 12:00**

Field ID: FB_04152024 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482453	DEP SOP: NU-094-1	Color (true)	2.5	U	PCU	P444312	
	EPA 180.1 Rev. 2.0	Turbidity	0.10	U	NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	0.20	U	mg Cl/L	P444910	
		Sulfate	0.20	U	mg SO4/L	P444913	
	SM 2320 B-2011	Total Alkalinity	0.65	U	mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	15	U	mg/L	P444843	
	SM 2540 D-2015	TSS	2	U	mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.025	U	mg F/L	P444461	
2482454	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P444480	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.080	U	mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P444718	
	EPA 365.1 Rev. 2.0	Total-P	0.002	U	mg P/L	P444489	
	SM 5310 B-2014	Organic Carbon	0.50	U	mg C/L	P444683	
2482492	EPA 8321B	Aldicarb	0.020	U	ug/L	P444283	
		Aldicarb Sulfone	0.0020	U	ug/L	P444283	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P444283	MS
		Carbaryl	0.0020	U	ug/L	P444283	
		Carbofuran	0.0020	U	ug/L	P444283	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P444283	MS, RPD
		Methiocarb	0.0020	U	ug/L	P444283	
		Methomyl	0.0020	U	ug/L	P444283	
		Oxamyl	0.0020	U	ug/L	P444283	
		Propoxur	0.0020	U	ug/L	P444283	MS
2482493		Acesulfame K	0.10	U	ug/L	P444285	
		2,4-D	0.0020	U	ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	0.10	U	ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	0.10	U	ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	8.0E-04	U	ug/L	P444166	
		Sucralose	0.010	U	ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0020	U	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	8.0E-04	U	ug/L	P444166	
		Imazapyr	0.0040	U	ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	

Field ID: FB_04152024 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482493	EPA 8321B	Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0020	U	ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0040	U	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	
		Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	
		Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	
2482501	EPA 8270E	Aldrin	0.67	U	ng/L	P444318	
		Alpha-BHC	0.10	U	ng/L	P444318	
		Alpha-Chlordane	0.21	U	ng/L	P444318	
		PCB-1016	2.1	U	ng/L	P444318	
		Beta-BHC	0.10	U	ng/L	P444318	
		PCB-1221	2.1	U	ng/L	P444318	
		Beta-Cyfluthrin	1.3	U	ng/L	P444318	
		PCB-1232	2.1	U	ng/L	P444318	
		Bifenthrin	0.52	U	ng/L	P444318	
		PCB-1242	2.1	U	ng/L	P444318	
		PCB-1248	2.1	U	ng/L	P444318	
		Chlorothalonil	3.7	U	ng/L	P444318	
		PCB-1254	2.1	U	ng/L	P444318	
		Cis-Nonachlor	0.21	U	ng/L	P444318	
		PCB-1260	2.1	U	ng/L	P444318	
		Cypermethrin	1.5	U	ng/L	P444318	
		Dacthal	0.15	U	ng/L	P444318	
		DDD-p,p'	0.26	U	ng/L	P444318	
		DDE-p,p'	0.21	U	ng/L	P444318	
		DDT-p,p'	0.82	U	ng/L	P444318	
		Delta-BHC	0.41	U	ng/L	P444318	
		Deltamethrin	1.3	U	ng/L	P444318	
		Dichlobenil	0.26	U	ng/L	P444318	
		Dicofol	1.3	U	ng/L	P444318	
		Dieldrin	0.41	U	ng/L	P444318	
		Endosulfan I	0.41	U	ng/L	P444318	
		Endosulfan II	0.93	U	ng/L	P444318	
		Endosulfan Sulfate	0.31	U	ng/L	P444318	
		Endrin	0.93	U	ng/L	P444318	
		Endrin Aldehyde	0.77	U	ng/L	P444318	
		Endrin Ketone	0.41	U	ng/L	P444318	
		Esfenvalerate	0.77	U	ng/L	P444318	
		Ethalfluralin	0.15	U	ng/L	P444318	

Field ID: FB_04152024 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482501	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P444318	
		Gamma-BHC	0.13	U	ng/L	P444318	
		Gamma-Chlordane	0.21	U	ng/L	P444318	
		Heptachlor	0.21	U	ng/L	P444318	
		Heptachlor Epoxide	0.26	U	ng/L	P444318	
		Hexachlorobenzene**	1.0	U	ng/L	P444318	
		Kepone	14	UJ	ng/L	P444318	CCV
		Lambda-Cyhalothrin	0.77	U	ng/L	P444318	
		Methoprene	0.77	U	ng/L	P444318	
		Methoxychlor	0.31	U	ng/L	P444318	
		MGK-264	0.21	U	ng/L	P444318	
		Mirex	0.36	U	ng/L	P444318	
		Oxychlordane	0.31	U	ng/L	P444318	
		Permethrin	1.6	U	ng/L	P444318	
		Phenothrin	0.93	U	ng/L	P444318	
		Piperonyl Butoxide	0.15	U	ng/L	P444318	
		Prallethrin	2.1	U	ng/L	P444318	
		Tau-Fluvalinate	0.26	U	ng/L	P444318	
		Tetramethrin	0.77	U	ng/L	P444318	
		Trans-Nonachlor	0.21	U	ng/L	P444318	
		Triclosan Methyl	0.15	U	ng/L	P444318	
		Trifluralin	0.21	U	ng/L	P444318	
	EPA 8276	Chlordane	2.1	U	ng/L	P444318	
		Toxaphene	15	U	ng/L	P444318	
2482502	EPA 8270E	Oxybenzone**	10	U	ng/L	P444295	MS, RPD
		Acetochlor	0.20	U	ng/L	P444295	
		Octinoxate**	150	U	ng/L	P444295	
		Alachlor	0.41	U	ng/L	P444295	
		Avobenzone**	100	U	ng/L	P444295	
		Ametryn	1.1	U	ng/L	P444295	
		Atrazine	0.20	U	ng/L	P444295	
		PBDE-47**	4.1	U	ng/L	P444295	
		Atrazine Desethyl	1.3	U	ng/L	P444295	
		PBDE-99**	5.1	U	ng/L	P444295	
		Azinphos Methyl	3.0	U	ng/L	P444295	
		Tri-o-cresyl Phosphate**	6.1	U	ng/L	P444295	
		Azoxystrobin	0.41	U	ng/L	P444295	
		Bromacil	0.61	U	ng/L	P444295	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	U	ng/L	P444295	
		Butylate	0.46	U	ng/L	P444295	
		Dechlorane Plus**	30	U	ng/L	P444295	
		Caffeine**	7.6	U	ng/L	P444295	
		Dechlorane 602**	5.1	U	ng/L	P444295	
		Carbophenothion	0.51	U	ng/L	P444295	

Field ID: FB_04152024 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482502	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P444295	
		Carfentrazone Ethyl	0.15	U	ng/L	P444295	
		Hexabromobenzene**	6.1	U	ng/L	P444295	MS
		Chlorfenapyr	0.30	U	ng/L	P444295	
		PBB-153**	6.1	U	ng/L	P444295	
		Chlorpyrifos Ethyl	0.30	U	ng/L	P444295	
		Pentabromotoluene**	3.0	U	ng/L	P444295	MS, RPD
		Chlorpyrifos Methyl	0.10	U	ng/L	P444295	
		Tris(2-chloroethyl) phosphate (TCEP)**	56	U	ng/L	P444295	MS, RPD
		Coumaphos	1.1	U	ng/L	P444295	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	25	U	ng/L	P444295	MS, RPD
		Cyanazine	5.1	U	ng/L	P444295	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.5	UJ	ng/L	P444295	LCS, MS, RPD
		Cyprodinil	0.20	U	ng/L	P444295	
		Tetradecachloro-m-terphenyl**	7.6	U	ng/L	P444295	
		Demeton	3.6	U	ng/L	P444295	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	61	U	ng/L	P444295	
		Diazinon	0.13	U	ng/L	P444295	
		Difenoconazole	0.61	U	ng/L	P444295	
		Dimethenamid	0.10	U	ng/L	P444295	
		Dimethomorph	0.30	U	ng/L	P444295	
		Disulfoton	0.61	U	ng/L	P444295	
		Dithiopyr	1.0	U	ng/L	P444295	
		EPTC	0.51	U	ng/L	P444295	
		Ethion	0.30	U	ng/L	P444295	
		Ethoprop	0.13	U	ng/L	P444295	
		Etridiazole	0.10	U	ng/L	P444295	
		Fenamiphos	0.46	U	ng/L	P444295	
		Fenbuconazole	0.51	U	ng/L	P444295	
		Fipronil	0.20	U	ng/L	P444295	
		Fipronil Desulfinyl**	0.10	U	ng/L	P444295	
		Fipronil Sulfide	0.10	U	ng/L	P444295	
		Fipronil Sulfone	0.10	U	ng/L	P444295	
		Fluazifop-P-butyl	0.10	U	ng/L	P444295	
		Fludioxonil	0.10	U	ng/L	P444295	
		Flumioxazin	3.0	U	ng/L	P444295	
		Flutolanil	0.10	U	ng/L	P444295	
		Fluxapyroxad	0.25	U	ng/L	P444295	
		Fonofos	0.15	U	ng/L	P444295	
		Hexazinone	0.51	U	ng/L	P444295	
		Imazalil	0.66	U	ng/L	P444295	
		Iprodione	0.51	U	ng/L	P444295	
		Loratadine**	0.30	U	ng/L	P444295	
		Malathion	0.36	U	ng/L	P444295	

Field ID: FB_04152024 Matrix: W-FIELD-BK

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482502	EPA 8270E	Metalaxyl	0.51	U	ng/L	P444295	
		Metolachlor	0.76	U	ng/L	P444295	
		Metribuzin	0.41	U	ng/L	P444295	
		Mevinphos	1.0	U	ng/L	P444295	
		Molinate	0.25	U	ng/L	P444295	
		Myclobutanil	0.36	U	ng/L	P444295	
		Naled	2.5	U	ng/L	P444295	
		Napropamide	0.71	U	ng/L	P444295	
		Norflurazon	1.0	U	ng/L	P444295	
		Oxadiazon	0.36	U	ng/L	P444295	
		Oxyfluorfen	0.20	U	ng/L	P444295	
		Parathion Ethyl	0.15	U	ng/L	P444295	
		Parathion Methyl	0.20	U	ng/L	P444295	
		Pendimethalin	1.7	U	ng/L	P444295	
		Phenytoin**	5.4	U	ng/L	P444295	
		Phorate	0.25	U	ng/L	P444295	
		Prodiamine	0.20	U	ng/L	P444295	
		Prometon	3.0	U	ng/L	P444295	
		Prometryn	0.36	U	ng/L	P444295	
		Pronamide	0.10	U	ng/L	P444295	
		Propanil	0.10	U	ng/L	P444295	
		Propargite	0.81	U	ng/L	P444295	
		Propiconazole	0.61	U	ng/L	P444295	
		Pyraflufen Ethyl	0.30	U	ng/L	P444295	
		Pyridaben	1.4	U	ng/L	P444295	
		Pyriproxyfen	0.25	U	ng/L	P444295	
		Simazine	0.25	U	ng/L	P444295	
		Stirophos	0.41	U	ng/L	P444295	
		Sulfentrazone	1.4	U	ng/L	P444295	
		Tebuconazole	1.4	U	ng/L	P444295	
		Terbufos	0.20	U	ng/L	P444295	
		Terbuthylazine	0.20	U	ng/L	P444295	
		Thiobencarb	0.51	U	ng/L	P444295	
		Triadimefon	0.15	U	ng/L	P444295	

Ref. Method and Comment:
SM 2540 D-2015: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample.
EPA 8270E: Refer to the Lab Analysis Report for an explanation of QC Codes.
EPA 8270E: MS accuracy for metalaxyl not assessed due to high content of this parameter in the sample spiked.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P444312

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444320

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444909

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444910

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444912

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444913

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444479

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444480

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444426

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444718

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444357

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444489

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

Reference Method: EPA 8270E
Batch ID: P444295

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P444295

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P444295

Component	Result	Code	Units
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
Terbuthylazine	0.20	U	ng/L
Tetradecachloro-m-terphenyl	7.5	U	ng/L
Thiobencarb	0.50	U	ng/L
Tri-o-cresyl Phosphate	6.0	U	ng/L
Triadimefon	0.15	U	ng/L
Tris(1-chloro-2-propyl) phosphate (TCPP)	25	U	ng/L
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	2.5	U	ng/L
Tris(2-chloroethyl) phosphate (TCEP)	55	U	ng/L

Reference Method: EPA 8270E
Batch ID: P444318

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
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
Ethalfluralin	0.15	U	ng/L
Fenpropathrin	0.25	U	ng/L
Gamma-BHC	0.12	U	ng/L
Gamma-Chlordane	0.20	U	ng/L
Heptachlor	0.20	U	ng/L
Heptachlor Epoxide	0.25	U	ng/L
Hexachlorobenzene	1.0	U	ng/L
Kepone	14	U	ng/L
Lambda-Cyhalothrin	0.75	U	ng/L
Methoprene	0.75	U	ng/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P444318

Component	Result	Code	Units
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: P444318

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

Reference Method: EPA 8321B
Batch ID: P444166

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P444166

Component	Result	Code	Units
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: P444283

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: EPA 8321B
Batch ID: P444285

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: SM 2320 B-2011
Batch ID: P444459

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

Reference Method: SM 2540 C-2015
Batch ID: P444843

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2015
Batch ID: P445465

Component	Result	Code	Units
TDS	15	U	mg/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 D-2015
Batch ID: P444742

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P444461

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P444591

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

Reference Method: SM 5310 B-2014
Batch ID: P444683

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: P444312

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	93.3		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444320

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444909

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444910

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444912

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444913

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444479

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444480

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	91.2		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444426

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444718

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	96.0		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444357

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444489

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

Reference Method: EPA 8270E
Batch ID: P444295

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	89.9		P	50 - 150
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	73.5		P	37 - 154
Acetochlor	65.8		P	64 - 124
Alachlor	62.4		P	61 - 118
Ametryn	61.7		P	47 - 158
Atrazine	68.3		P	68 - 121
Atrazine Desethyl	76.3		P	30 - 119
Avobenzone	97.5		P	48 - 193
Azinphos Methyl	84.4		P	30 - 194
Azoxystrobin	78.9		P	58 - 154
Bromacil	70.3		P	47 - 126
Butylate	53.3		P	31 - 83.0
Caffeine	72.7		P	10 - 180
Carbophenothion	72.6		P	59 - 133
Carfentrazone Ethyl	71.9		P	59 - 147
Chlorfenapyr	66.0		P	52 - 118
Chlorpyrifos Ethyl	62.0		P	59 - 119
Chlorpyrifos Methyl	76.6		P	65 - 123
Coumaphos	127		P	11 - 223
Cyanazine	92.3		P	63 - 250
Cyprodinil	65.9		P	52 - 143
Dechlorane 602	50.1		P	23 - 142
Dechlorane 603	73.6		P	51 - 171
Dechlorane Plus	79.2		P	46 - 161
Demeton	64.8		P	42 - 119
Diazinon	81.5		P	67 - 132
Difenoconazole	155		P	12 - 204
Dimethenamid	71.8		P	53 - 113
Dimethomorph	191		P	13 - 238
Disulfoton	71.9		P	56 - 126
Dithiopyr	74.4		P	58 - 127
EPTC	50.3		P	31 - 78.0
Ethion	64.9		P	24 - 127
Ethoprop	76.8		P	60 - 118

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P444295

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Etridiazole	58.1		P	32 - 91.0
Fenamiphos	66.6		P	54 - 129
Fenbuconazole	32.7		P	31 - 162
Fipronil	68.1		P	56 - 131
Fipronil Desulfinyl	72.6		P	58 - 132
Fipronil Sulfide	71.9		P	51 - 123
Fipronil Sulfone	74.4		P	50 - 125
Fluazifop-P-butyl	78.7		P	52 - 132
Fludioxonil	75.8		P	52 - 129
Flumioxazin	144		P	34 - 250
Flutolanil	68.5		P	45 - 128
Fluxapyroxad	72.2		P	31 - 150
Fonofos	73.8		P	60 - 116
Hexabromobenzene	56.7		P	52 - 165
Hexazinone	71.0		P	59 - 120
Imazalil	76.6		P	39 - 134
Iprodione	71.2		P	39 - 243
Loratadine	150		P	10 - 240
Malathion	76.4		P	53 - 145
Metalaxyl	65.9		P	59 - 120
Metolachlor	72.2		P	64 - 122
Metribuzin	66.4		P	33 - 128
Mevinphos	78.5		P	48 - 119
Molinate	64.6		P	42 - 89.0
Myclobutanil	71.1		P	54 - 129
Naled	56.7		P	10 - 138
Napropamide	72.3		P	40 - 122
Norflurazon	76.1		P	49 - 132
Octinoxate	57.8		P	29 - 176
Oxadiazon	71.5		P	50 - 115
Oxybenzone	124		P	45 - 145
Oxyfluorfen	79.8		P	62 - 149
Parathion Ethyl	70.9		P	68 - 119
Parathion Methyl	81.5		P	68 - 147
PBB-153	75.5		P	42 - 179
PBDE-47	57.6		P	44 - 141
PBDE-99	57.8		P	36 - 141
Pendimethalin	78.4		P	59 - 158
Pentabromotoluene	119		P	58 - 148
Phenytoin	29.1		P	10 - 151
Phorate	74.3		P	44 - 124
Prodiamine	31.7		P	10 - 136
Prometon	70.6		P	45 - 131
Prometryn	68.8		P	52 - 140
Pronamide	80.0		P	70 - 129
Propanil	83.7		P	54 - 144
Propargite	74.1		P	10 - 191
Propiconazole	62.2		P	49 - 128
Pyraflufen Ethyl	75.0		P	46 - 141
Pyridaben	99.2		P	29 - 198
Pyriproxyfen	91.7		P	33 - 221
Simazine	73.8		P	62 - 119

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P444295

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Stirophos	67.9		P	13 - 144
Sulfentrazone	55.6		P	12 - 152
Tebuconazole	58.6		P	10 - 135
Terbufos	79.4		P	67 - 136
Terbuthylazine	79.9		P	66 - 113
Tetradecachloro-m-terphenyl	80.6		P	30 - 235
Thiobencarb	74.1		P	51 - 125
Tri-o-cresyl Phosphate	70.3		P	50 - 150
Triadimefon	66.5		P	57 - 118
Tris(1-chloro-2-propyl) phosphate (TCPP)	140		P	60 - 160
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	141		F	66 - 141
Tris(2-chloroethyl) phosphate (TCEP)	158		P	59 - 166

Reference Method: EPA 8270E
Batch ID: P444318

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	47.1		P	30 - 96.0
Alpha-BHC	84.4		P	70 - 109
Alpha-Chlordane	79.5		P	45 - 107
Beta-BHC	97.2		P	64 - 138
Beta-Cyfluthrin	69.9		P	17 - 141
Bifenthrin	51.5		P	10 - 113
Chlorothalonil	75.5		P	26 - 180
Cis-Nonachlor	68.4		P	37 - 102
Cypermethrin	69.8		P	20 - 133
Dacthal	88.9		P	69 - 114
DDD-p,p'	75.2		P	42 - 105
DDE-p,p'	78.3		P	42 - 106
DDT-p,p'	70.4		P	42 - 107
Delta-BHC	94.4		P	67 - 144
Deltamethrin	86.6		P	15 - 149
Dichlobenil	86.4		P	46 - 117
Dicofol	65.0		P	34 - 114
Dieldrin	81.1		P	50 - 108
Endosulfan I	79.7		P	55 - 104
Endosulfan II	78.0		P	51 - 111
Endosulfan Sulfate	85.2		P	56 - 121
Endrin	82.1		P	10 - 106
Endrin Aldehyde	70.6		P	34 - 114
Endrin Ketone	82.3		P	63 - 177
Esfenvalerate	71.2		P	29 - 143
Ethalfluralin	71.5		P	46 - 96.0
Fenpropathrin	62.7		P	28 - 115
Gamma-BHC	88.6		P	65 - 121
Gamma-Chlordane	74.9		P	39 - 103
Heptachlor	73.0		P	39 - 94.0
Heptachlor Epoxide	78.6		P	54 - 104
Hexachlorobenzene	73.9		P	36 - 100
Kepone	89.0		P	10 - 225
Lambda-Cyhalothrin	58.2		P	10 - 135
Methoprene	52.7		P	10 - 109

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P444318

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Methoxychlor	77.6		P	52 - 112
MGK-264	67.4		P	44 - 117
Mirex	63.3		P	20 - 90.0
Oxychlordane	71.1		P	44 - 102
PCB-1016	64.4		P	45 - 107
PCB-1260	62.8		P	40 - 118
Permethrin	68.2		P	18 - 135
Phenothrin	38.5		P	10 - 102
Piperonyl Butoxide	105		P	28 - 156
Prallethrin	60.7		P	28 - 113
Tau-Fluvalinate	59.0		P	10 - 123
Tetramethrin	64.5		P	18 - 158
Trans-Nonachlor	77.0		P	39 - 104
Triclosan Methyl	84.0		P	54 - 108
Trifluralin	73.1		P	46 - 97.0

Reference Method: EPA 8276
Batch ID: P444318

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	71.2		P	52 - 117
Toxaphene	74.7		P	44 - 125

Reference Method: EPA 8321B
Batch ID: P444166

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	147		P	40 - 150
2,4,5-T	118		P	40 - 150
Acetaminophen	77.6		P	30 - 150
Acetamiprid	100		P	40 - 150
Afidopyropen	74.2		P	30 - 150
Bentazon	106		P	30 - 150
Benzovindiflupyr	89.3		P	40 - 150
Carbamazepine	78.7		P	40 - 150
Clothianidin	97.1		P	40 - 150
Dinotefuran	113		P	40 - 150
Diuron	70.7		P	40 - 150
Fenuron	101		P	40 - 150
Fluridone	95.1		P	40 - 150
Hydrocodone	98.8		P	40 - 150
Ibuprofen	81.1		P	40 - 150
Imazapyr	101		P	40 - 150
Imidacloprid	96.8		P	40 - 150
Linuron	70.1		P	40 - 150
Mandestrobin	94.4		P	40 - 150
MCPP	135		P	40 - 150
Naproxen	76.7		P	40 - 150
Primidone	86.2		P	40 - 150
Pyraclostrobin	82.4		P	40 - 150
Silvex	107		P	40 - 150
Thiamethoxam	95.5		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P444166

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Tolfenpyrad	60.0		P	30 - 150
Triclopyr	113		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P444283

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	82.6		P	40 - 150
Aldicarb	73.6		P	30 - 150
Aldicarb Sulfone	97.1		P	40 - 150
Aldicarb Sulfoxide	110		P	40 - 150
Carbaryl	59.0		P	40 - 150
Carbofuran	68.1		P	40 - 150
Methiocarb	64.3		P	40 - 150
Methomyl	90.8		P	40 - 150
Oxamyl	95.5		P	40 - 150
Propoxur	60.2		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P444285

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	100		P	40 - 150
AMPA	102		P	40 - 160
Endothall	114		P	40 - 160
Glufosinate	101		P	40 - 160
Glyphosate	98.8		P	40 - 160
Sucralose	105		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P444459

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	98.8		P	92 - 105

Reference Method: SM 2540 C-2015
Batch ID: P444843

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	102		P	85 - 115

Reference Method: SM 2540 C-2015
Batch ID: P445465

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TDS	94.0		P	85 - 115

Reference Method: SM 2540 D-2015
Batch ID: P444742

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
TSS	98.4		P	85 - 115

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P444461

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.8		P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P444591

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

Reference Method: SM 5310 B-2014
Batch ID: P444683

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	98.0		P	85 - 115

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444909

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482081	Chloride	106		P	90 - 110
2482334	Chloride	105		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444910

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482569	Chloride	110		P	90 - 110
2482606	Chloride	107		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444912

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482081	Sulfate	106		P	90 - 110
2482334	Sulfate	106		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444913

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482569	Sulfate	108		P	90 - 110
2482606	Sulfate	107		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444479

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482340	Ammonia-N	98.0	99.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444480

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482450	Ammonia-N	97.0	96.8	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444426

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482397	Kjeldahl Nitrogen	102	104	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444718

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482442	NO2NO3-N	97.5	100	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444357

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

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444357

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482377	Total-P	107	107	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444489

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482532	Total-P	98.0	102	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P444295

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482500	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	63.9	78.7	P/P	50 - 150
2482500	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	80.1	69.3	P/P	29 - 155
2482500	Acetochlor	73.3	79.0	P/P	60 - 124
2482500	Alachlor	60.2	63.1	P/P	54 - 122
2482500	Ametryn	76.7	77.6	P/P	51 - 208
2482500	Atrazine	102	107	P/P	57 - 131
2482500	Atrazine Desethyl	86.5	95.5	P/P	13 - 124
2482500	Avobenzone	106	104	P/P	35 - 187
2482500	Azinphos Methyl	93.1	102	P/P	43 - 276
2482500	Azoxystrobin	88.1	107	P/P	52 - 300
2482500	Bromacil	90.1	102	P/P	44 - 134
2482500	Butylate	47.8	52.3	P/P	23 - 82.0
2482500	Caffeine	107	114	P/P	10 - 277
2482500	Carbophenothion	85.1	89.3	P/P	47 - 135
2482500	Carfentrazone Ethyl	81.0	83.4	P/P	46 - 147
2482500	Chlorfenapyr	69.9	73.9	P/P	43 - 114
2482500	Chlorpyrifos Ethyl	70.6	67.9	P/P	47 - 124
2482500	Chlorpyrifos Methyl	87.2	91.9	P/P	60 - 135
2482500	Coumaphos	148	163	P/P	10 - 222
2482500	Cyanazine	97.1	110	P/P	10 - 257
2482500	Cyprodinil	77.2	81.2	P/P	42 - 148
2482500	Dechlorane 602	44.4	24.4	P/P	14 - 133
2482500	Dechlorane 603	77.6	77.1	P/P	18 - 191
2482500	Dechlorane Plus	69.9	65.9	P/P	23 - 154
2482500	Demeton	77.9	78.1	P/P	41 - 137
2482500	Diazinon	92.5	101	P/P	64 - 139
2482500	Difenoconazole	168	175	P/P	46 - 254
2482500	Dimethenamid	84.2	86.4	P/P	47 - 117
2482500	Dimethomorph	196	222	P/P	14 - 255
2482500	Disulfoton	85.4	91.2	P/P	52 - 130
2482500	Dithiopyr	87.6	91.0	P/P	40 - 121
2482500	EPTC	42.1	42.1	P/P	19 - 78.0
2482500	Ethion	66.2	46.7	P/P	12 - 124
2482500	Ethoprop	80.3	89.1	P/P	68 - 144
2482500	Etridiazole	55.5	56.4	P/P	26 - 96.0
2482500	Fenamiphos	110	127	P/P	41 - 129
2482500	Fenbuconazole	30.1	53.2	P/P	26 - 169
2482500	Fipronil	75.7	83.5	P/P	46 - 145
2482500	Fipronil Desulfinyl	83.3	90.5	P/P	47 - 136
2482500	Fipronil Sulfide	79.7	86.4	P/P	41 - 127

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P444295

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482500	Fipronil Sulfone	75.8	84.9	P/P	35 - 133
2482500	Fluazifop-P-butyl	84.3	91.6	P/P	46 - 131
2482500	Fludioxonil	72.8	87.3	P/P	51 - 124
2482500	Flumioxazin	205	201	P/P	10 - 289
2482500	Flutolanil	64.7	66.7	P/P	34 - 130
2482500	Fluxapyroxad	73.8	73.6	P/P	10 - 197
2482500	Fonofos	82.1	91.3	P/P	42 - 131
2482500	Hexabromobenzene	67.6	46.1	P/F	47 - 178
2482500	Hexazinone	79.7	81.0	P/P	64 - 125
2482500	Imazalil	76.9	79.0	P/P	37 - 252
2482500	Iprodione	80.1	81.3	P/P	34 - 265
2482500	Loratadine	173	193	P/P	20 - 231
2482500	Malathion	86.5	94.8	P/P	34 - 164
2482500	Metolachlor	83.0	91.7	P/P	54 - 125
2482500	Metribuzin	69.7	87.3	P/P	51 - 139
2482500	Mevinphos	77.1	79.1	P/P	46 - 130
2482500	Molinate	60.5	62.0	P/P	39 - 93.0
2482500	Myclobutanil	67.1	74.5	P/P	50 - 130
2482500	Naled	58.4	66.4	P/P	10 - 150
2482500	Napropamide	68.3	66.1	P/P	10 - 109
2482500	Norflurazon	72.6	88.0	P/P	36 - 134
2482500	Octinoxate	63.7	67.0	P/P	18 - 170
2482500	Oxadiazon	81.0	82.7	P/P	43 - 112
2482500	Oxybenzone	116	194	P/F	33 - 154
2482500	Oxyfluorfen	100	110	P/P	62 - 154
2482500	Parathion Ethyl	85.6	94.4	P/P	65 - 120
2482500	Parathion Methyl	91.8	113	P/P	77 - 185
2482500	PBB-153	81.2	85.6	P/P	23 - 193
2482500	PBDE-47	59.4	47.3	P/P	31 - 139
2482500	PBDE-99	56.8	43.9	P/P	24 - 138
2482500	Pendimethalin	108	115	P/P	50 - 146
2482500	Pentabromotoluene	96.8	159	P/F	54 - 152
2482500	Phenytoin	19.8	11.4	P/P	10 - 157
2482500	Phorate	88.2	90.3	P/P	54 - 161
2482500	Prodiamine	38.9	43.3	P/P	29 - 160
2482500	Prometon	76.7	84.8	P/P	38 - 145
2482500	Prometryn	78.8	84.9	P/P	32 - 151
2482500	Pronamide	93.7	103	P/P	61 - 140
2482500	Propanil	87.4	100	P/P	50 - 147
2482500	Propargite	76.5	61.7	P/P	10 - 190
2482500	Propiconazole	63.1	69.4	P/P	30 - 146
2482500	Pyraflufen Ethyl	83.3	85.4	P/P	30 - 147
2482500	Pyridaben	132	128	P/P	15 - 195
2482500	Pyriproxyfen	89.9	83.0	P/P	31 - 218
2482500	Simazine	80.8	90.1	P/P	45 - 139
2482500	Stirophos	73.5	67.1	P/P	10 - 134
2482500	Sulfentrazone	77.2	79.8	P/P	53 - 186
2482500	Tebuconazole	47.8	45.2	P/P	10 - 133
2482500	Terbufos	89.1	95.1	P/P	65 - 151
2482500	Terbuthylazine	90.1	99.1	P/P	62 - 117
2482500	Tetradecachloro-m-terphenyl	85.3	108	P/P	10 - 260
2482500	Thiobencarb	81.8	84.7	P/P	48 - 122

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P444295

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482500	Tri-o-cresyl Phosphate	78.8	83.5	P/P	32 - 151
2482500	Triadimefon	74.3	75.0	P/P	46 - 124
2482500	Tris(1-chloro-2-propyl) phosphate (TCPP)	116	183	P/F	51 - 154
2482500	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	117	180	P/F	59 - 147
2482500	Tris(2-chloroethyl) phosphate (TCEP)	117	203	P/F	65 - 156

Reference Method: EPA 8270E
Batch ID: P444318

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482499	Aldrin	72.1	71.8	P/P	24 - 81.0
2482499	Alpha-BHC	88.8	89.0	P/P	65 - 110
2482499	Alpha-Chlordane	103	103	P/P	43 - 119
2482499	Beta-BHC	104	101	P/P	54 - 165
2482499	Beta-Cyfluthrin	113	110	P/P	27 - 165
2482499	Bifenthrin	103	101	P/P	17 - 117
2482499	Chlorothalonil	119	114	P/P	10 - 255
2482499	Cis-Nonachlor	78.8	75.9	P/P	34 - 98.0
2482499	Cypermethrin	114	112	P/P	25 - 143
2482499	Dacthal	94.5	92.6	P/P	55 - 139
2482499	DDD-p,p'	82.3	81.2	P/P	30 - 109
2482499	DDE-p,p'	83.9	83.6	P/P	35 - 106
2482499	DDT-p,p'	83.8	83.6	P/P	41 - 101
2482499	Delta-BHC	117	111	P/P	58 - 165
2482499	Deltamethrin	161	156	P/P	10 - 194
2482499	Dichlobenil	51.0	51.4	P/P	22 - 114
2482499	Dicofol	77.9	77.6	P/P	17 - 133
2482499	Dieldrin	96.3	94.3	P/P	45 - 129
2482499	Endosulfan I	91.1	90.5	P/P	49 - 104
2482499	Endosulfan II	79.0	78.2	P/P	37 - 117
2482499	Endosulfan Sulfate	86.8	80.8	P/P	38 - 128
2482499	Endrin	90.9	90.8	P/P	35 - 116
2482499	Endrin Aldehyde	65.2	65.8	P/P	19 - 108
2482499	Endrin Ketone	79.9	80.6	P/P	44 - 134
2482499	Esfenvalerate	130	128	P/P	27 - 176
2482499	Ethalfluralin	87.2	85.3	P/P	49 - 100
2482499	Fenpropathrin	89.9	88.5	P/P	34 - 117
2482499	Gamma-BHC	91.5	89.0	P/P	59 - 129
2482499	Gamma-Chlordane	95.9	97.8	P/P	33 - 107
2482499	Heptachlor	84.1	83.4	P/P	37 - 94.0
2482499	Heptachlor Epoxide	88.0	87.6	P/P	38 - 118
2482499	Hexachlorobenzene	74.8	74.8	P/P	35 - 97.0
2482499	Kepone	83.7	79.8	P/P	10 - 221
2482499	Lambda-Cyhalothrin	119	116	P/P	23 - 190
2482499	Methoprene	87.1	86.1	P/P	21 - 109
2482499	Methoxychlor	96.0	96.2	P/P	46 - 118
2482499	MGK-264	84.7	82.3	P/P	39 - 122
2482499	Mirex	79.9	79.6	P/P	25 - 90.0
2482499	Oxychlordane	77.9	75.5	P/P	42 - 100
2482499	Permethrin	103	103	P/P	33 - 181
2482499	Phenothrin	95.6	96.2	P/P	12 - 125
2482499	Piperonyl Butoxide	115	117	P/P	10 - 178

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P444318

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482499	Prallethrin	91.6	94.8	P/P	24 - 122
2482499	Tau-Fluvalinate	117	115	P/P	13 - 151
2482499	Tetramethrin	107	104	P/P	16 - 172
2482499	Trans-Nonachlor	91.5	93.5	P/P	39 - 100
2482499	Triclosan Methyl	89.4	90.2	P/P	43 - 110
2482499	Trifluralin	82.0	81.6	P/P	45 - 94.0
2482668	PCB-1016	71.2	75.2	P/P	45 - 107
2482668	PCB-1260	66.1	72.2	P/P	40 - 112

Reference Method: EPA 8276
Batch ID: P444318

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482668	Chlordane	70.2	80.5	P/P	43 - 123
2482668	Toxaphene	71.3	81.6	P/P	27 - 156

Reference Method: EPA 8321B
Batch ID: P444166

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481674	2,4-D	157	154	F/F	40 - 150
2481674	2,4,5-T	104	102	P/P	40 - 150
2481674	Acetaminophen	97.0	90.9	P/P	30 - 150
2481674	Acetamiprid	92.4	82.6	P/P	40 - 150
2481674	Afidopyropen	78.5	59.8	P/P	30 - 150
2481674	Bentazon	103	70.2	P/P	30 - 150
2481674	Benzovindiflupyr	85.8	86.6	P/P	40 - 150
2481674	Carbamazepine	58.8	57.7	P/P	40 - 150
2481674	Clothianidin	103	100	P/P	40 - 150
2481674	Dinotefuran	114	109	P/P	40 - 150
2481674	Diuron	51.4	50.9	P/P	40 - 150
2481674	Fenuron	79.9	79.4	P/P	40 - 150
2481674	Hydrocodone	89.5	87.0	P/P	40 - 150
2481674	Ibuprofen	81.9	85.5	P/P	40 - 150
2481674	Imidacloprid	128	122	P/P	40 - 150
2481674	Linuron	63.6	68.7	P/P	40 - 150
2481674	Mandestrobin	87.3	84.1	P/P	40 - 150
2481674	MCPP	129	133	P/P	40 - 150
2481674	Naproxen	70.3	86.2	P/P	40 - 150
2481674	Primidone	109	106	P/P	40 - 150
2481674	Pyraclostrobin	89.8	88.1	P/P	40 - 150
2481674	Silvex	107	96.4	P/P	40 - 150
2481674	Thiamethoxam	95.5	91.1	P/P	40 - 150
2481674	Tolfenpyrad	66.9	73.3	P/P	30 - 150
2481674	Triclopyr	97.7	110	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P444283

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481673	3-Hydroxycarbofuran	92.2	31.3	P/F	40 - 150
2481673	Aldicarb	77.0	58.3	P/P	30 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P444283

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481673	Aldicarb Sulfone	96.7	87.5	P/P	40 - 150
2481673	Aldicarb Sulfoxide	35.4	35.5	F/F	40 - 150
2481673	Carbaryl	44.4	40.1	P/P	40 - 150
2481673	Carbofuran	43.8	41.0	P/P	40 - 150
2481673	Methiocarb	54.0	58.0	P/P	40 - 150
2481673	Methomyl	87.5	78.3	P/P	40 - 150
2481673	Oxamyl	92.2	86.0	P/P	40 - 150
2481673	Propoxur	43.2	38.3	P/F	40 - 150

Reference Method: EPA 8321B
Batch ID: P444285

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482407	Acesulfame K	121	126	P/P	40 - 150
2482407	AMPA	102	106	P/P	40 - 160
2482407	Endothall	97.1	108	P/P	40 - 160
2482407	Glufosinate	95.9	103	P/P	40 - 160
2482407	Glyphosate	107	114	P/P	40 - 160
2482407	Sucralose	110	92.5	P/P	40 - 150

Reference Method: SM 4500-F- C-2011
Batch ID: P444461

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482483	Fluoride	100	101	P/P	94 - 106

Reference Method: SM 5310 B-2014
Batch ID: P444591

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482337	Organic Carbon	98.0	98.1	P/P	85 - 115

Reference Method: SM 5310 B-2014
Batch ID: P444683

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482446	Organic Carbon	98.3	102	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P444312

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482445	Color (true)	0.476	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P444320

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482331	Turbidity	3.88	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444909

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482081	Chloride	0.0517	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444910

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482569	Chloride	0.807	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444912

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482081	Sulfate	0.333	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P444913

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482569	Sulfate	1.47	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444479

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482340	Ammonia-N	1.14	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P444480

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482450	Ammonia-N	0.156	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P444426

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482397	Kjeldahl Nitrogen	1.43	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444718

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482442	NO2NO3-N	2.53	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444357

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482377	Total-P	0.795	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P444489

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482532	Total-P	3.42	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P444295

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482500	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	20.8	Spike	P	0 - 30
2482500	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	14.5	Spike	P	0 - 35
2482500	Acetochlor	7.48	Spike	P	0 - 28
2482500	Alachlor	4.72	Spike	P	0 - 30
2482500	Ametryn	1.20	Spike	P	0 - 32
2482500	Atrazine	2.58	Spike	P	0 - 33
2482500	Atrazine Desethyl	9.89	Spike	P	0 - 36
2482500	Avobenzone	1.95	Spike	P	0 - 35
2482500	Azinphos Methyl	8.71	Spike	P	0 - 62
2482500	Azoxystrobin	18.9	Spike	P	0 - 39
2482500	Bromacil	7.15	Spike	P	0 - 33
2482500	Butylate	8.95	Spike	P	0 - 51
2482500	Caffeine	6.36	Spike	P	0 - 100
2482500	Carbophenothion	4.75	Spike	P	0 - 34
2482500	Carfentrazone Ethyl	2.90	Spike	P	0 - 33
2482500	Chlorfenapyr	5.52	Spike	P	0 - 28
2482500	Chlorpyrifos Ethyl	3.91	Spike	P	0 - 31
2482500	Chlorpyrifos Methyl	5.21	Spike	P	0 - 27
2482500	Coumaphos	9.64	Spike	P	0 - 62
2482500	Cyanazine	12.2	Spike	P	0 - 48
2482500	Cyprodinil	4.95	Spike	P	0 - 29
2482500	Dechlorane 602	58.1	Spike	P	0 - 60
2482500	Dechlorane 603	0.613	Spike	P	0 - 40

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P444295

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482500	Dechlorane Plus	5.95	Spike	P	0 - 38
2482500	Demeton	0.286	Spike	P	0 - 33
2482500	Diazinon	8.39	Spike	P	0 - 32
2482500	Difenoconazole	4.27	Spike	P	0 - 71
2482500	Dimethenamid	2.52	Spike	P	0 - 60
2482500	Dimethomorph	12.2	Spike	P	0 - 61
2482500	Disulfoton	6.54	Spike	P	0 - 30
2482500	Dithiopyr	3.82	Spike	P	0 - 28
2482500	EPTC	0.114	Spike	P	0 - 56
2482500	Ethion	34.6	Spike	P	0 - 79
2482500	Ethoprop	10.3	Spike	P	0 - 31
2482500	Etridiazole	1.66	Spike	P	0 - 43
2482500	Fenamiphos	14.1	Spike	P	0 - 43
2482500	Fenbuconazole	55.5	Spike	P	0 - 79
2482500	Fipronil	8.32	Spike	P	0 - 46
2482500	Fipronil Desulfinyl	5.36	Spike	P	0 - 36
2482500	Fipronil Sulfide	5.49	Spike	P	0 - 34
2482500	Fipronil Sulfone	9.12	Spike	P	0 - 47
2482500	Fluazifop-P-butyl	8.24	Spike	P	0 - 38
2482500	Fludioxonil	18.1	Spike	P	0 - 29
2482500	Flumioxazin	2.15	Spike	P	0 - 63
2482500	Flutolanil	3.18	Spike	P	0 - 36
2482500	Fluxapyroxad	0.223	Spike	P	0 - 65
2482500	Fonofos	10.5	Spike	P	0 - 35
2482500	Hexabromobenzene	38.0	Spike	P	0 - 41
2482500	Hexazinone	1.61	Spike	P	0 - 31
2482500	Imazalil	2.59	Spike	P	0 - 52
2482500	Iprodione	1.51	Spike	P	0 - 49
2482500	Loratadine	10.6	Spike	P	0 - 59
2482500	Malathion	9.07	Spike	P	0 - 77
2482500	Metalaxyl	2.49	Spike	P	0 - 76
2482500	Metolachlor	9.93	Spike	P	0 - 29
2482500	Metribuzin	22.5	Spike	P	0 - 51
2482500	Mevinphos	2.62	Spike	P	0 - 31
2482500	Molinate	2.38	Spike	P	0 - 39
2482500	Myclobutanil	10.4	Spike	P	0 - 34
2482500	Naled	12.8	Spike	P	0 - 37
2482500	Napropamide	3.27	Spike	P	0 - 100
2482500	Norflurazon	9.59	Spike	P	0 - 54
2482500	Octinoxate	5.02	Spike	P	0 - 35
2482500	Oxadiazon	1.46	Spike	P	0 - 34
2482500	Oxybenzone	50.2	Spike	F	0 - 35
2482500	Oxyfluorfen	8.87	Spike	P	0 - 28
2482500	Parathion Ethyl	9.78	Spike	P	0 - 31
2482500	Parathion Methyl	20.3	Spike	P	0 - 29
2482500	PBB-153	5.39	Spike	P	0 - 49
2482500	PBDE-47	22.7	Spike	P	0 - 36
2482500	PBDE-99	25.6	Spike	P	0 - 46
2482500	Pendimethalin	6.22	Spike	P	0 - 31
2482500	Pentabromotoluene	48.4	Spike	F	0 - 16
2482500	Phenytoin	53.3	Spike	P	0 - 100

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P444295

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482500	Phorate	2.37	Spike	P	0 - 36
2482500	Prodiamine	10.6	Spike	P	0 - 68
2482500	Prometon	9.99	Spike	P	0 - 35
2482500	Prometryn	7.40	Spike	P	0 - 33
2482500	Pronamide	9.91	Spike	P	0 - 24
2482500	Propanil	13.6	Spike	P	0 - 28
2482500	Propargite	21.5	Spike	P	0 - 53
2482500	Propiconazole	9.61	Spike	P	0 - 44
2482500	Pyraflufen Ethyl	2.56	Spike	P	0 - 61
2482500	Pyridaben	3.31	Spike	P	0 - 43
2482500	Pyriproxyfen	8.00	Spike	P	0 - 82
2482500	Simazine	10.9	Spike	P	0 - 29
2482500	Stirophos	9.11	Spike	P	0 - 100
2482500	Sulfentrazone	3.37	Spike	P	0 - 64
2482500	Tebuconazole	5.75	Spike	P	0 - 76
2482500	Terbufos	6.50	Spike	P	0 - 29
2482500	Terbuthylazine	9.52	Spike	P	0 - 28
2482500	Tetradecachloro-m-terphenyl	23.9	Spike	P	0 - 42
2482500	Thiobencarb	3.39	Spike	P	0 - 26
2482500	Tri-o-cresyl Phosphate	5.74	Spike	P	0 - 24
2482500	Triadimefon	0.952	Spike	P	0 - 40
2482500	Tris(1-chloro-2-propyl) phosphate (TCPP)	44.8	Spike	F	0 - 30
2482500	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	42.4	Spike	F	0 - 22
2482500	Tris(2-chloroethyl) phosphate (TCEP)	53.5	Spike	F	0 - 15

Reference Method: EPA 8270E
Batch ID: P444318

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482499	Aldrin	0.360	Spike	P	0 - 41
2482499	Alpha-BHC	0.181	Spike	P	0 - 25
2482499	Alpha-Chlordane	0.118	Spike	P	0 - 32
2482499	Beta-BHC	2.90	Spike	P	0 - 33
2482499	Beta-Cyfluthrin	3.24	Spike	P	0 - 43
2482499	Bifenthrin	2.40	Spike	P	0 - 52
2482499	Chlorothalonil	3.77	Spike	P	0 - 82
2482499	Cis-Nonachlor	3.77	Spike	P	0 - 33
2482499	Cypermethrin	1.37	Spike	P	0 - 51
2482499	Dacthal	2.05	Spike	P	0 - 27
2482499	DDD-p,p'	1.33	Spike	P	0 - 39
2482499	DDE-p,p'	0.427	Spike	P	0 - 31
2482499	DDT-p,p'	0.274	Spike	P	0 - 29
2482499	Delta-BHC	4.85	Spike	P	0 - 35
2482499	Deltamethrin	2.73	Spike	P	0 - 100
2482499	Dichlobenil	0.760	Spike	P	0 - 40
2482499	Dicofol	0.352	Spike	P	0 - 37
2482499	Dieldrin	2.02	Spike	P	0 - 27
2482499	Endosulfan I	0.679	Spike	P	0 - 23
2482499	Endosulfan II	1.04	Spike	P	0 - 34
2482499	Endosulfan Sulfate	7.21	Spike	P	0 - 36

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P444318

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482499	Endrin	0.132	Spike	P	0 - 45
2482499	Endrin Aldehyde	0.904	Spike	P	0 - 76
2482499	Endrin Ketone	0.862	Spike	P	0 - 43
2482499	Esfenvalerate	1.54	Spike	P	0 - 51
2482499	Ethalfluralin	2.25	Spike	P	0 - 22
2482499	Fenpropathrin	1.54	Spike	P	0 - 49
2482499	Gamma-BHC	2.74	Spike	P	0 - 28
2482499	Gamma-Chlordane	1.98	Spike	P	0 - 40
2482499	Heptachlor	0.757	Spike	P	0 - 29
2482499	Heptachlor Epoxide	0.445	Spike	P	0 - 33
2482499	Hexachlorobenzene	0.0532	Spike	P	0 - 36
2482499	Kepone	4.80	Spike	P	0 - 85
2482499	Lambda-Cyhalothrin	2.44	Spike	P	0 - 55
2482499	Methoprene	1.09	Spike	P	0 - 53
2482499	Methoxychlor	0.239	Spike	P	0 - 50
2482499	MGK-264	2.81	Spike	P	0 - 43
2482499	Mirex	0.377	Spike	P	0 - 40
2482499	Oxychlordane	3.11	Spike	P	0 - 31
2482499	Permethrin	0.385	Spike	P	0 - 50
2482499	Phenothrin	0.606	Spike	P	0 - 58
2482499	Piperonyl Butoxide	1.58	Spike	P	0 - 100
2482499	Prallethrin	3.43	Spike	P	0 - 39
2482499	Tau-Fluvalinate	1.77	Spike	P	0 - 54
2482499	Tetramethrin	2.73	Spike	P	0 - 51
2482499	Trans-Nonachlor	2.18	Spike	P	0 - 39
2482499	Triclosan Methyl	0.985	Spike	P	0 - 31
2482499	Trifluralin	0.481	Spike	P	0 - 22
2482668	PCB-1016	5.53	Spike	P	0 - 25
2482668	PCB-1260	8.91	Spike	P	0 - 30

Reference Method: EPA 8276
Batch ID: P444318

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482668	Chlordane	13.7	Spike	P	0 - 28
2482668	Toxaphene	13.4	Spike	P	0 - 27

Reference Method: EPA 8321B
Batch ID: P444166

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481674	2,4-D	1.77	Spike	P	0 - 30
2481674	2,4,5-T	1.73	Spike	P	0 - 30
2481674	Acetaminophen	6.50	Spike	P	0 - 30
2481674	Acetamiprid	11.2	Spike	P	0 - 30
2481674	Afidopyropen	26.9	Spike	P	0 - 30
2481674	Bentazon	1.23	Spike	P	0 - 30
2481674	Benzovindiflupyr	0.966	Spike	P	0 - 30
2481674	Carbamazepine	1.85	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P444166

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481674	Clothianidin	2.70	Spike	P	0 - 30
2481674	Dinotefuran	4.64	Spike	P	0 - 30
2481674	Diuron	0.874	Spike	P	0 - 30
2481674	Fenuron	0.656	Spike	P	0 - 30
2481674	Fluridone	3.11	Spike	P	0 - 30
2481674	Hydrocodone	2.82	Spike	P	0 - 30
2481674	Ibuprofen	4.26	Spike	P	0 - 30
2481674	Imazapyr	2.02	Spike	P	0 - 30
2481674	Imidacloprid	3.98	Spike	P	0 - 30
2481674	Linuron	7.64	Spike	P	0 - 30
2481674	Mandestrobin	3.72	Spike	P	0 - 30
2481674	MCPP	2.93	Spike	P	0 - 30
2481674	Naproxen	20.3	Spike	P	0 - 30
2481674	Primidone	2.58	Spike	P	0 - 30
2481674	Pyraclostrobin	1.98	Spike	P	0 - 30
2481674	Silvex	10.8	Spike	P	0 - 30
2481674	Thiamethoxam	4.64	Spike	P	0 - 30
2481674	Tolfenpyrad	9.16	Spike	P	0 - 30
2481674	Triclopyr	11.5	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P444283

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481673	3-Hydroxycarbofuran	98.7	Spike	F	0 - 30
2481673	Aldicarb	27.5	Spike	P	0 - 30
2481673	Aldicarb Sulfone	10.0	Spike	P	0 - 30
2481673	Aldicarb Sulfoxide	0.488	Spike	P	0 - 30
2481673	Carbaryl	10.2	Spike	P	0 - 30
2481673	Carbofuran	6.74	Spike	P	0 - 30
2481673	Methiocarb	7.22	Spike	P	0 - 30
2481673	Methomyl	11.1	Spike	P	0 - 30
2481673	Oxamyl	6.97	Spike	P	0 - 30
2481673	Propoxur	12.0	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P444285

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482407	Acesulfame K	3.97	Spike	P	0 - 30
2482407	AMPA	3.60	Spike	P	0 - 30
2482407	Endothall	10.8	Spike	P	0 - 30
2482407	Glufosinate	7.18	Spike	P	0 - 30
2482407	Glyphosate	6.41	Spike	P	0 - 30
2482407	Sucralose	13.6	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: SM 2320 B-2011
Batch ID: P444459

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482483	Total Alkalinity	4.08	Sample	F	0 - 3.9

Reference Method: SM 2540 C-2015
Batch ID: P444843

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482376	TDS	3.53	Sample	P	0 - 10

Reference Method: SM 2540 C-2015
Batch ID: P445465

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2485363	TDS	4.94	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P444461

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482483	Fluoride	0.470	Spike	P	0 - 1.9

Reference Method: SM 5310 B-2014
Batch ID: P444591

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482337	Organic Carbon	0.0900	Spike	P	0 - 15

Reference Method: SM 5310 B-2014
Batch ID: P444683

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482446	Organic Carbon	2.76	Spike	P	0 - 15

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2482485
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	46.6	P	30 - 160

Lab Sample ID: 2482486
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	71.5	P	30 - 160
EPA 8321B	Acetaminophen-d4	94.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	58.3	P	30 - 160
EPA 8321B	Diuron-d6	48.6	P	30 - 160
EPA 8321B	Endothall-d6	99.5	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	113	P	30 - 160
EPA 8321B	Ibuprofen-d3	84.2	P	30 - 160
EPA 8321B	Primidone-d5	90.4	P	30 - 160
EPA 8321B	Sucralose-d6	63.3	P	30 - 160

Lab Sample ID: 2482487
Field Sample ID: G5SE0086

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	63.6	P	30 - 160
EPA 8321B	Acetaminophen-d4	90.8	P	30 - 160
EPA 8321B	Carbamazepine-d10	56.4	P	30 - 160
EPA 8321B	Diuron-d6	45.3	P	30 - 160
EPA 8321B	Endothall-d6	96.8	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	107	P	30 - 160
EPA 8321B	Ibuprofen-d3	70.4	P	30 - 160
EPA 8321B	Primidone-d5	94.9	P	30 - 160
EPA 8321B	Sucralose-d6	88.3	P	30 - 160

Lab Sample ID: 2482488
Field Sample ID: G5SE0115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	65.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	89.5	P	30 - 160
EPA 8321B	Carbamazepine-d10	60.3	P	30 - 160
EPA 8321B	Diuron-d6	48.0	P	30 - 160
EPA 8321B	Endothall-d6	99.3	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	112	P	30 - 160
EPA 8321B	Ibuprofen-d3	74.6	P	30 - 160
EPA 8321B	Primidone-d5	94.3	P	30 - 160
EPA 8321B	Sucralose-d6	70.9	P	30 - 160

Lab Sample ID: 2482489
Field Sample ID: G5SE0143

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	75.8	P	30 - 160
EPA 8321B	Acetaminophen-d4	96.3	P	30 - 160
EPA 8321B	Carbamazepine-d10	69.5	P	30 - 160
EPA 8321B	Diuron-d6	52.5	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2482489
Field Sample ID: G5SE0143

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Endothall-d6	92.1	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	97.3	P	30 - 160
EPA 8321B	Ibuprofen-d3	81.8	P	30 - 160
EPA 8321B	Primidone-d5	99.6	P	30 - 160
EPA 8321B	Sucralose-d6	74.5	P	30 - 160

Lab Sample ID: 2482490
Field Sample ID: G5SE0144

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	79.4	P	30 - 160
EPA 8321B	Acetaminophen-d4	104	P	30 - 160
EPA 8321B	Carbamazepine-d10	79.2	P	30 - 160
EPA 8321B	Diuron-d6	59.3	P	30 - 160
EPA 8321B	Endothall-d6	117	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	110	P	30 - 160
EPA 8321B	Ibuprofen-d3	84.0	P	30 - 160
EPA 8321B	Primidone-d5	107	P	30 - 160
EPA 8321B	Sucralose-d6	86.3	P	30 - 160

Lab Sample ID: 2482491
Field Sample ID: G5SE0141

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	65.1	P	30 - 160
EPA 8321B	Acetaminophen-d4	95.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	76.1	P	30 - 160
EPA 8321B	Diuron-d6	63.0	P	30 - 160
EPA 8321B	Endothall-d6	103	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	107	P	30 - 160
EPA 8321B	Ibuprofen-d3	88.9	P	30 - 160
EPA 8321B	Primidone-d5	109	P	30 - 160
EPA 8321B	Sucralose-d6	50.8	P	30 - 160

Lab Sample ID: 2482492
Field Sample ID: FB_04152024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	83.4	P	30 - 160

Lab Sample ID: 2482493
Field Sample ID: FB_04152024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	57.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	79.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	88.3	P	30 - 160
EPA 8321B	Diuron-d6	73.7	P	30 - 160
EPA 8321B	Endothall-d6	96.9	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	102	P	30 - 160
EPA 8321B	Ibuprofen-d3	89.3	P	30 - 160
EPA 8321B	Primidone-d5	88.6	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2482493
Field Sample ID: FB_04152024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Sucralose-d6	113	P	30 - 160

Lab Sample ID: 2482494
Field Sample ID: G5SE0088

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	92.9	P	30 - 160
EPA 8321B	Acetaminophen-d4	104	P	30 - 160
EPA 8321B	Carbamazepine-d10	89.8	P	30 - 160
EPA 8321B	Diuron-d6	64.8	P	30 - 160
EPA 8321B	Endothall-d6	101	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	41.1	P	30 - 160
EPA 8321B	Ibuprofen-d3	94.7	P	30 - 160
EPA 8321B	Primidone-d5	112	P	30 - 160
EPA 8321B	Sucralose-d6	50.3	P	30 - 160

Lab Sample ID: 2482499
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	73.2	P	37 - 129
EPA 8270E	Decachlorobiphenyl	74.9	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	48.9	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	55.3	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	65.1	P	23 - 110
EPA 8276	PCNB	87.0	P	51 - 130

Lab Sample ID: 2482500
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	53.1	P	20 - 200
EPA 8270E	Simazine-d10	74.7	P	58 - 137
EPA 8270E	Terbufos-d10	84.6	P	50 - 134
EPA 8270E	Terphenyl-d14	61.0	P	44 - 134

Lab Sample ID: 2482501
Field Sample ID: FB_04152024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	78.8	P	37 - 129
EPA 8270E	Decachlorobiphenyl	69.2	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	43.5	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	54.0	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	55.7	P	23 - 110
EPA 8276	PCNB	77.0	P	51 - 130

Lab Sample ID: 2482502
Field Sample ID: FB_04152024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	54.2	P	20 - 200

Quality Assurance Report
Surrogates

Lab Sample ID: 2482502
Field Sample ID: FB_04152024

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Simazine-d10	73.3	P	58 - 137
EPA 8270E	Terbufos-d10	88.1	P	50 - 134
EPA 8270E	Terphenyl-d14	79.7	P	44 - 134

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A125338
Included Lab Sample IDs: 2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	94.9	97.0	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A125340
Included Lab Sample IDs: 2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125388
Included Lab Sample IDs: 2482442, 2482444

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

Reference Method: EPA 8321B
Run ID: A125390
Included Lab Sample IDs: 2482486, 2482487, 2482488, 2482489, 2482490, 2482491, 2482493, 2482494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	104	116	P/P	50 - 150
2,4-D	116	97.1	P/P	50 - 150
2,4,5-T	96.3	96.5	P/P	50 - 150
2,4,5-T	96.5	100	P/P	50 - 150
3-Hydroxycarbofuran	107	104	P/P	60 - 150
Acetaminophen	100	97.9	P/P	60 - 160
Acetaminophen	97.9	100	P/P	60 - 160
Acetamiprid	113	117	P/P	50 - 150
Acetamiprid	117	114	P/P	50 - 150
Afidopyropen	102	111	P/P	50 - 150
Afidopyropen	111	102	P/P	50 - 150
Aldicarb	102	107	P/P	60 - 150
Aldicarb Sulfone	104	105	P/P	50 - 150
Aldicarb Sulfoxide	108	105	P/P	50 - 150
Bentazon	113	113	P/P	50 - 160
Bentazon	113	109	P/P	50 - 160
Benzovindiflupyr	110	113	P/P	50 - 150
Benzovindiflupyr	113	116	P/P	50 - 150
Carbamazepine	109	110	P/P	60 - 150
Carbamazepine	114	109	P/P	60 - 150
Carbaryl	110	110	P/P	60 - 150
Carbofuran	111	107	P/P	50 - 150
Clothianidin	101	111	P/P	60 - 150
Clothianidin	110	101	P/P	60 - 150
Dinotefuran	120	122	P/P	50 - 150
Dinotefuran	122	117	P/P	50 - 150
Diuron	107	114	P/P	60 - 160
Diuron	116	107	P/P	60 - 160
Fenuron	107	110	P/P	60 - 150
Fenuron	110	110	P/P	60 - 150

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A125390
Included Lab Sample IDs: 2482486, 2482487, 2482488, 2482489, 2482490, 2482491, 2482493, 2482494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluridone	116	117	P/P	60 - 160
Fluridone	117	120	P/P	60 - 160
Hydrocodone	113	114	P/P	60 - 150
Hydrocodone	114	118	P/P	60 - 150
Ibuprofen	81.8	97.3	P/P	50 - 160
Ibuprofen	94.6	81.8	P/P	50 - 160
Imazapyr	101	95.3	P/P	50 - 150
Imazapyr	95.3	99.0	P/P	50 - 150
Imidacloprid	109	110	P/P	60 - 150
Imidacloprid	110	106	P/P	60 - 150
Linuron	100	114	P/P	60 - 150
Linuron	114	113	P/P	60 - 150
Mandestrobin	111	110	P/P	50 - 150
Mandestrobin	114	111	P/P	50 - 150
MCPP	102	109	P/P	50 - 150
MCPP	99.2	102	P/P	50 - 150
Methiocarb	107	95.0	P/P	50 - 150
Methomyl	104	106	P/P	50 - 150
Naproxen	114	112	P/P	50 - 160
Naproxen	93.6	114	P/P	50 - 160
Oxamyl	108	102	P/P	50 - 150
Primidone	93.8	94.9	P/P	60 - 150
Primidone	94.9	102	P/P	60 - 150
Propoxur	103	106	P/P	50 - 150
Pyraclostrobin	110	111	P/P	60 - 150
Pyraclostrobin	111	115	P/P	60 - 150
Silvex	103	92.9	P/P	50 - 150
Silvex	106	103	P/P	50 - 150
Thiamethoxam	115	116	P/P	50 - 150
Thiamethoxam	116	119	P/P	50 - 150
Tolfenpyrad	109	109	P/P	60 - 150
Tolfenpyrad	109	110	P/P	60 - 150
Triclopyr	92.4	105	P/P	50 - 150
Triclopyr	99.1	92.4	P/P	50 - 150

Reference Method: SM 2320 B-2011
Run ID: A125392
Included Lab Sample IDs: 2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	95.9	103	P/P	90 - 110
Total Alkalinity	99.6	95.9	P/P	90 - 110

Reference Method: SM 4500-F- C-2011
Run ID: A125392
Included Lab Sample IDs: 2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Fluoride	100	101	P/P	90 - 110
Fluoride	99.5	100	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125397
Included Lab Sample IDs: 2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	100	99.5	P/P	90 - 110
Ammonia-N	99.4	100	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125422
Included Lab Sample IDs: 2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.9	96.8	P/P	90 - 110
Kjeldahl Nitrogen	97.2	95.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125426
Included Lab Sample IDs: 2482450

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125429
Included Lab Sample IDs: 2482446

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125432
Included Lab Sample IDs: 2482448, 2482452, 2482454

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

Reference Method: SM 5310 B-2014
Run ID: A125441
Included Lab Sample IDs: 2482442

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	100	121	P/P	85 - 115

Reference Method: EPA 8321B
Run ID: A125458
Included Lab Sample IDs: 2482486, 2482487, 2482488, 2482489, 2482490, 2482491, 2482493, 2482494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	96.4	99.7	P/P	60 - 160
AMPA	97.0	97.9	P/P	60 - 160
AMPA	99.7	104	P/P	60 - 160
Endothall	100	98.1	P/P	60 - 160
Endothall	98.1	99.5	P/P	60 - 160
Glufosinate	103	101	P/P	60 - 160
Glufosinate	98.3	87.2	P/P	60 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A125458
Included Lab Sample IDs: 2482486, 2482487, 2482488, 2482489, 2482490, 2482491, 2482493, 2482494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Glufosinate	98.8	103	P/P	60 - 160
Glyphosate	108	106	P/P	60 - 160
Glyphosate	94.0	108	P/P	60 - 160
Glyphosate	98.1	93.7	P/P	60 - 160

Reference Method: EPA 8270E
Run ID: A125462
Included Lab Sample IDs: 2482499, 2482501

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	102		P	80 - 120
Alpha-BHC	98.2		P	80 - 120
Alpha-Chlordane	99.9		P	80 - 120
Beta-BHC	96.9		P	80 - 120
Beta-Cyfluthrin	97.9		P	80 - 120
Bifenthrin	95.9		P	80 - 120
Chlorothalonil	87.4		P	80 - 120
Cis-Nonachlor	103		P	80 - 120
Cypermethrin	106		P	80 - 120
Dacthal	102		P	80 - 120
DDD-p,p'	102		P	80 - 120
DDE-p,p'	102		P	80 - 120
DDT-p,p'	94.2		P	80 - 120
Delta-BHC	94.4		P	80 - 120
Deltamethrin	100		P	80 - 120
Dichlobenil	114		P	80 - 120
Dicofol	91.5		P	80 - 120
Dieldrin	97.0		P	80 - 120
Endosulfan I	101		P	80 - 120
Endosulfan II	103		P	80 - 120
Endosulfan Sulfate	103		P	80 - 120
Endrin	100		P	80 - 120
Endrin Aldehyde	93.5		P	80 - 120
Endrin Ketone	96.8		P	80 - 120
Esfenvalerate	92.3		P	80 - 120
Ethalfluralin	103		P	80 - 120
Fenpropathrin	99.5		P	80 - 120
Gamma-BHC	99.1		P	80 - 120
Gamma-Chlordane	102		P	80 - 120
Heptachlor	101		P	80 - 120
Heptachlor Epoxide	101		P	80 - 120
Hexachlorobenzene	98.9		P	80 - 120
Kepone	63.7*		F	80 - 120
Lambda-Cyhalothrin	94.3		P	80 - 120
Methoprene	102		P	80 - 120
Methoxychlor	95.9		P	80 - 120
MGK-264	101		P	80 - 120
Mirex	102		P	80 - 120
Oxychlordane	103		P	80 - 120
Permethrin	101		P	80 - 120
Phenothrin	98.1		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A125462
Included Lab Sample IDs: 2482499, 2482501

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Piperonyl Butoxide	96.7		P	80 - 120
Prallethrin	102		P	80 - 120
Tau-Fluvalinate	94.8		P	80 - 120
Tetramethrin	98.3		P	80 - 120
Trans-Nonachlor	101		P	80 - 120
Triclosan Methyl	103		P	80 - 120
Trifluralin	101		P	80 - 120

Reference Method: EPA 8321B
Run ID: A125464
Included Lab Sample IDs: 2482486, 2482487, 2482488, 2482489, 2482490, 2482491, 2482493, 2482494

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	112	103	P/P	60 - 160
Acesulfame K	99.1	112	P/P	60 - 160
Sucralose	110	104	P/P	60 - 160
Sucralose	97.9	110	P/P	60 - 160

Reference Method: SM 5310 B-2014
Run ID: A125478
Included Lab Sample IDs: 2482444, 2482446, 2482448, 2482450, 2482452, 2482454

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	117	99.8	P/P	70 - 130

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125492
Included Lab Sample IDs: 2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454

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

Reference Method: EPA 8276
Run ID: A125537
Included Lab Sample IDs: 2482499, 2482501

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	95.9		P	80 - 120
Toxaphene	97.6		P	80 - 120

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A125571
Included Lab Sample IDs: 2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	97.9	98.3	P/P	90 - 110
Chloride	98.3	99.6	P/P	90 - 110
Sulfate	100	102	P/P	90 - 110
Sulfate	100	100	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A125576
Included Lab Sample IDs: 2482499, 2482501

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	99.9		P	80 - 120
PCB-1260	99.4		P	80 - 120

Reference Method: EPA 8270E
Run ID: A125611
Included Lab Sample IDs: 2482500, 2482502

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	86.3		P	80 - 120
Alachlor	87.0		P	80 - 120
Ametryn	94.5		P	80 - 120
Atrazine	85.9		P	80 - 120
Atrazine Desethyl	97.1		P	80 - 120
Azinphos Methyl	102		P	80 - 120
Azoxystrobin	95.8		P	80 - 120
Bromacil	101		P	80 - 120
Butylate	98.3		P	80 - 120
Caffeine	96.6		P	80 - 120
Carbophenothion	97.2		P	80 - 120
Carfentrazone Ethyl	96.0		P	80 - 120
Chlorfenapyr	86.8		P	80 - 120
Chlorpyrifos Ethyl	85.4		P	80 - 120
Chlorpyrifos Methyl	98.4		P	80 - 120
Coumaphos	98.0		P	80 - 120
Cyanazine	98.4		P	80 - 120
Cyprodinil	94.3		P	80 - 120
Demeton	93.6		P	80 - 120
Diazinon	95.6		P	80 - 120
Difenoconazole	94.4		P	80 - 120
Dimethenamid	94.1		P	80 - 120
Dimethomorph	90.9		P	80 - 120
Disulfoton	99.1		P	80 - 120
Dithiopyr	96.8		P	80 - 120
EPTC	98.6		P	80 - 120
Ethion	86.2		P	80 - 120
Ethoprop	99.3		P	80 - 120
Etridiazole	99.7		P	80 - 120
Fenamiphos	88.1		P	80 - 120
Fenbuconazole	92.7		P	80 - 120
Fipronil	87.7		P	80 - 120
Fipronil Desulfinyl	95.0		P	80 - 120
Fipronil Sulfide	97.6		P	80 - 120
Fipronil Sulfone	97.6		P	80 - 120
Fluazifop-P-butyl	96.2		P	80 - 120
Fludioxonil	96.8		P	80 - 120
Flumioxazin	99.5		P	80 - 120
Flutolanil	97.4		P	80 - 120
Fluxapyroxad	94.7		P	80 - 120
Fonofos	98.2		P	80 - 120
Hexazinone	98.7		P	80 - 120
Imazalil	98.9		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A125611
Included Lab Sample IDs: 2482500, 2482502

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Iprodione	92.1		P	80 - 120
Loratadine	85.3		P	80 - 120
Malathion	85.5		P	80 - 120
Metalaxyl	88.0		P	80 - 120
Metolachlor	94.1		P	80 - 120
Metribuzin	101		P	80 - 120
Mevinphos	96.3		P	80 - 120
Molinate	98.6		P	80 - 120
Myclobutanil	94.0		P	80 - 120
Naled	94.3		P	80 - 120
Napropamide	99.5		P	80 - 120
Norflurazon	98.8		P	80 - 120
Oxadiazon	100		P	80 - 120
Oxyfluorfen	99.8		P	80 - 120
Parathion Ethyl	99.1		P	80 - 120
Parathion Methyl	88.3		P	80 - 120
Pendimethalin	99.1		P	80 - 120
Phenytoin	91.9		P	80 - 120
Phorate	99.5		P	80 - 120
Prodiamine	101		P	80 - 120
Prometon	96.9		P	80 - 120
Prometryn	93.1		P	80 - 120
Pronamide	97.7		P	80 - 120
Propanil	107		P	80 - 120
Propargite	98.2		P	80 - 120
Propiconazole	87.0		P	80 - 120
Pyraflufen Ethyl	95.4		P	80 - 120
Pyridaben	97.4		P	80 - 120
Pyriproxyfen	119		P	80 - 120
Simazine	88.0		P	80 - 120
Stirophos	85.6		P	80 - 120
Sulfentrazone	96.9		P	80 - 120
Tebuconazole	97.0		P	80 - 120
Terbufos	97.7		P	80 - 120
Terbuthylazine	96.7		P	80 - 120
Thiobencarb	101		P	80 - 120
Triadimefon	94.4		P	80 - 120

Reference Method: EPA 8270E
Run ID: A125675
Included Lab Sample IDs: 2482500, 2482502

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	92.9		P	80 - 120
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	91.6		P	80 - 120
Avobenzone	95.5		P	80 - 120
Dechlorane 602	88.2		P	80 - 120
Dechlorane 603	90.0		P	80 - 120
Dechlorane Plus	90.5		P	80 - 120
Hexabromobenzene	90.4		P	80 - 120
Octinoxate	86.0		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A125675
Included Lab Sample IDs: 2482500, 2482502

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Oxybenzone	93.9		P	80 - 120
PBB-153	88.9		P	80 - 120
PBDE-47	89.3		P	80 - 120
PBDE-99	92.6		P	80 - 120
Pentabromotoluene	92.8		P	80 - 120
Tetradecachloro-m-terphenyl	95.6		P	80 - 120
Tri-o-cresyl Phosphate	91.9		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	88.2		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	92.0		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	86.1		P	80 - 120

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

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
DEP SOP: NU-094-1	Color (true)	93.3				0.476	
EPA 180.1 Rev. 2.0	Turbidity	102				3.88	
EPA 300.0 Rev. 2.1	Chloride	104	106	105		0.0517	
	Chloride	103	110	107		0.807	
	Sulfate	105	106	106		0.333	
	Sulfate	104	108	107		1.47	
EPA 350.1 Rev. 2.0	Ammonia-N	96.2	98.0	99.2			1.14
	Ammonia-N	91.2	97.0	96.8			0.156
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.2	102	104			1.43
EPA 353.2 Rev. 2.0	NO2NO3-N	96.0	97.5	100			2.53
EPA 365.1 Rev. 2.0	Total-P	104	107	107			0.795
	Total-P	97.7	98.0	102			3.42
EPA 8270E	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	89.9	63.9	78.7			20.8
	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	73.5	80.1	69.3			14.5
	Acetochlor	65.8	73.3	79.0			7.48
	Alachlor	62.4	60.2	63.1			4.72
	Aldrin	47.1	72.1	71.8			0.360
	Alpha-BHC	84.4	88.8	89.0			0.181
	Alpha-Chlordane	79.5	103	103			0.118
	Ametryn	61.7	76.7	77.6			1.20
	Atrazine	68.3	102	107			2.58
	Atrazine Desethyl	76.3	86.5	95.5			9.89
	Avobenzone	97.5	106	104			1.95
	Azinphos Methyl	84.4	93.1	102			8.71
	Azoxystrobin	78.9	88.1	107			18.9
	Beta-BHC	97.2	104	101			2.90
	Beta-Cyfluthrin	69.9	113	110			3.24
	Bifenthrin	51.5	103	101			2.40
	Bromacil	70.3	90.1	102			7.15
	Butylate	53.3	47.8	52.3			8.95
	Caffeine	72.7	107	114			6.36
	Carbophenothion	72.6	85.1	89.3			4.75
	Carfentrazone Ethyl	71.9	81.0	83.4			2.90
	Chlorfenapyr	66.0	69.9	73.9			5.52
	Chlorothalonil	75.5	119	114			3.77
	Chlorpyrifos Ethyl	62.0	70.6	67.9			3.91
	Chlorpyrifos Methyl	76.6	87.2	91.9			5.21
	Cis-Nonachlor	68.4	78.8	75.9			3.77
	Coumaphos	127	148	163			9.64
	Cyanazine	92.3	97.1	110			12.2
	Cypermethrin	69.8	114	112			1.37
	Cyprodinil	65.9	77.2	81.2			4.95
	Dacthal	88.9	94.5	92.6			2.05
	DDD-p,p'	75.2	82.3	81.2			1.33
	DDE-p,p'	78.3	83.9	83.6			0.427
	DDT-p,p'	70.4	83.8	83.6			0.274
	Dechlorane 602	50.1	44.4	24.4			58.1
	Dechlorane 603	73.6	77.6	77.1			0.613
	Dechlorane Plus	79.2	69.9	65.9			5.95
	Delta-BHC	94.4	117	111			4.85
	Deltamethrin	86.6	161	156			2.73

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Demeton	64.8	77.9	78.1			0.286
	Diazinon	81.5	92.5	101			8.39
	Dichlobenil	86.4	51.0	51.4			0.760
	Dicofol	65.0	77.9	77.6			0.352
	Dieldrin	81.1	96.3	94.3			2.02
	Difenoconazole	155	168	175			4.27
	Dimethenamid	71.8	84.2	86.4			2.52
	Dimethomorph	191	196	222			12.2
	Disulfoton	71.9	85.4	91.2			6.54
	Dithiopyr	74.4	87.6	91.0			3.82
	Endosulfan I	79.7	91.1	90.5			0.679
	Endosulfan II	78.0	79.0	78.2			1.04
	Endosulfan Sulfate	85.2	86.8	80.8			7.21
	Endrin	82.1	90.9	90.8			0.132
	Endrin Aldehyde	70.6	65.2	65.8			0.904
	Endrin Ketone	82.3	79.9	80.6			0.862
	EPTC	50.3	42.1	42.1			0.114
	Esfenvalerate	71.2	130	128			1.54
	Ethalfluralin	71.5	87.2	85.3			2.25
	Ethion	64.9	66.2	46.7			34.6
	Ethoprop	76.8	80.3	89.1			10.3
	Etridiazole	58.1	55.5	56.4			1.66
	Fenamiphos	66.6	110	127			14.1
	Fenbuconazole	32.7	30.1	53.2			55.5
	Fenpropathrin	62.7	89.9	88.5			1.54
	Fipronil	68.1	75.7	83.5			8.32
	Fipronil Desulfinyl	72.6	83.3	90.5			5.36
	Fipronil Sulfide	71.9	79.7	86.4			5.49
	Fipronil Sulfone	74.4	75.8	84.9			9.12
	Fluazifop-P-butyl	78.7	84.3	91.6			8.24
	Fludioxonil	75.8	72.8	87.3			18.1
	Flumioxazin	144	205	201			2.15
	Flutolanil	68.5	64.7	66.7			3.18
	Fluxapyroxad	72.2	73.8	73.6			0.223
	Fonofos	73.8	82.1	91.3			10.5
	Gamma-BHC	88.6	91.5	89.0			2.74
	Gamma-Chlordane	74.9	95.9	97.8			1.98
	Heptachlor	73.0	84.1	83.4			0.757
	Heptachlor Epoxide	78.6	88.0	87.6			0.445
	Hexabromobenzene	56.7	67.6	46.1			38.0
	Hexachlorobenzene	73.9	74.8	74.8			0.0532
	Hexazinone	71.0	79.7	81.0			1.61
	Imazalil	76.6	76.9	79.0			2.59
	Iprodione	71.2	80.1	81.3			1.51
	Kepone	89.0	83.7	79.8			4.80
	Lambda-Cyhalothrin	58.2	119	116			2.44
	Loratadine	150	173	193			10.6
	Malathion	76.4	86.5	94.8			9.07
	Metalaxyl	65.9					2.49
	Methoprene	52.7	87.1	86.1			1.09
	Methoxychlor	77.6	96.0	96.2			0.239
	Metolachlor	72.2	83.0	91.7			9.93
	Metribuzin	66.4	69.7	87.3			22.5
	Mevinphos	78.5	77.1	79.1			2.62

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	MGK-264	67.4	84.7	82.3			2.81
	Mirex	63.3	79.9	79.6			0.377
	Molinate	64.6	60.5	62.0			2.38
	Myclobutanil	71.1	67.1	74.5			10.4
	Naled	56.7	58.4	66.4			12.8
	Napropamide	72.3	68.3	66.1			3.27
	Norflurazon	76.1	72.6	88.0			9.59
	Octinoxate	57.8	63.7	67.0			5.02
	Oxadiazon	71.5	81.0	82.7			1.46
	Oxybenzone	124	116	194			50.2
	Oxychlordane	71.1	77.9	75.5			3.11
	Oxyfluorfen	79.8	100	110			8.87
	Parathion Ethyl	70.9	85.6	94.4			9.78
	Parathion Methyl	81.5	91.8	113			20.3
	PBB-153	75.5	81.2	85.6			5.39
	PBDE-47	57.6	59.4	47.3			22.7
	PBDE-99	57.8	56.8	43.9			25.6
	PCB-1016	64.4	71.2	75.2			5.53
	PCB-1260	62.8	66.1	72.2			8.91
	Pendimethalin	78.4	108	115			6.22
	Pentabromotoluene	119	96.8	159			48.4
	Permethrin	68.2	103	103			0.385
	Phenothrin	38.5	95.6	96.2			0.606
	Phenytoin	29.1	19.8	11.4			53.3
	Phorate	74.3	88.2	90.3			2.37
	Piperonyl Butoxide	105	115	117			1.58
	Prallethrin	60.7	91.6	94.8			3.43
	Prodiamine	31.7	38.9	43.3			10.6
	Prometon	70.6	76.7	84.8			9.99
	Prometryn	68.8	78.8	84.9			7.40
	Pronamide	80.0	103	93.7			9.91
	Propanil	83.7	100	87.4			13.6
	Propargite	74.1	61.7	76.5			21.5
	Propiconazole	62.2	69.4	63.1			9.61
	Pyraflufen Ethyl	75.0	85.4	83.3			2.56
	Pyridaben	99.2	128	132			3.31
	Pyriproxyfen	91.7	83.0	89.9			8.00
	Simazine	73.8	90.1	80.8			10.9
	Stirophos	67.9	67.1	73.5			9.11
	Sulfentrazone	55.6	79.8	77.2			3.37
	Tau-Fluvalinate	59.0	117	115			1.77
	Tebuconazole	58.6	45.2	47.8			5.75
	Terbufos	79.4	95.1	89.1			6.50
	Terbuthylazine	79.9	99.1	90.1			9.52
	Tetradecachloro-m-terphenyl	80.6	85.3	108			23.9
	Tetramethrin	64.5	107	104			2.73
	Thiobencarb	74.1	84.7	81.8			3.39
	Trans-Nonachlor	77.0	91.5	93.5			2.18
	Tri-o-cresyl Phosphate	70.3	78.8	83.5			5.74
	Triadimefon	66.5	75.0	74.3			0.952
	Triclosan Methyl	84.0	89.4	90.2			0.985
	Trifluralin	73.1	82.0	81.6			0.481
	Tris(1-chloro-2-propyl) phosphate (TCPP)	140	116	183			44.8

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	141	117	180			42.4
	Tris(2-chloroethyl) phosphate (TCEP)	158	117	203			53.5
EPA 8276	Chlordane	71.2	70.2	80.5			13.7
	Toxaphene	74.7	71.3	81.6			13.4
EPA 8321B	2,4-D	147	157	154			1.77
	2,4,5-T	118	104	102			1.73
	3-Hydroxycarbofuran	82.6	92.2	31.3			98.7
	Acesulfame K	100	121	126			3.97
	Acetaminophen	77.6	97.0	90.9			6.50
	Acetamiprid	100	92.4	82.6			11.2
	Afidopyropen	74.2	78.5	59.8			26.9
	Aldicarb	73.6	77.0	58.3			27.5
	Aldicarb Sulfone	97.1	96.7	87.5			10.0
	Aldicarb Sulfoxide	110	35.4	35.5			0.488
	AMPA	102	102	106			3.60
	Bentazon	106	103	70.2			1.23
	Benzovindiflupyr	89.3	85.8	86.6			0.966
	Carbamazepine	78.7	58.8	57.7			1.85
	Carbaryl	59.0	44.4	40.1			10.2
	Carbofuran	68.1	43.8	41.0			6.74
	Clothianidin	97.1	103	100			2.70
	Dinotefuran	113	114	109			4.64
	Diuron	70.7	51.4	50.9			0.874
	Endothall	114	97.1	108			10.8
	Fenuron	101	79.9	79.4			0.656
	Fluridone	95.1					3.11
	Glufosinate	101	95.9	103			7.18
	Glyphosate	98.8	107	114			6.41
	Hydrocodone	98.8	89.5	87.0			2.82
	Ibuprofen	81.1	81.9	85.5			4.26
	Imazapyr	101					2.02
	Imidacloprid	96.8	128	122			3.98
	Linuron	70.1	63.6	68.7			7.64
	Mandestrobin	94.4	87.3	84.1			3.72
	MCPP	135	129	133			2.93
	Methiocarb	64.3	54.0	58.0			7.22
	Methomyl	90.8	87.5	78.3			11.1
	Naproxen	76.7	70.3	86.2			20.3
	Oxamyl	95.5	92.2	86.0			6.97
	Primidone	86.2	109	106			2.58
	Propoxur	60.2	43.2	38.3			12.0
	Pyraclostrobin	82.4	89.8	88.1			1.98
	Silvex	107	107	96.4			10.8
	Sucralose	105	110	92.5			13.6
	Thiamethoxam	95.5	95.5	91.1			4.64
	Tolfenpyrad	60.0	66.9	73.3			9.16
	Triclopyr	113	97.7	110			11.5
SM 2320 B-2011	Total Alkalinity	98.8				4.08	
SM 2540 C-2015	TDS	102				3.53	
	TDS	94.0				4.94	
SM 2540 D-2015	TSS	98.4					
SM 4500-F- C-2011	Fluoride	98.8	100	101			0.470

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
SM 5310 B-2014	Organic Carbon	100	98.0	98.1			0.0900
	Organic Carbon	98.0	98.3	102			2.76

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2482500, 2482502
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2482499, 2482501
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2482500, 2482502
EPA 8270E	PCBs in water matrices by GC/MS/MS	2482499, 2482501
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2482499, 2482501
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2482485, 2482492
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2482486, 2482487, 2482488, 2482489, 2482490, 2482491, 2482493, 2482494
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2482442, 2482444, 2482446, 2482448, 2482450, 2482452, 2482454

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	04/16/2024			04/16/2024 14:08	Jessica K Wilks	2482441, 2482443
	04/16/2024			04/16/2024 14:09	Jessica K Wilks	2482445
	04/16/2024			04/16/2024 14:10	Jessica K Wilks	2482447, 2482449
	04/16/2024			04/16/2024 14:11	Jessica K Wilks	2482451, 2482453
EPA 180.1 Rev. 2.0	04/16/2024			04/16/2024 13:15	Khloe J Berg	2482441
	04/16/2024			04/16/2024 13:17	Khloe J Berg	2482443
	04/16/2024			04/16/2024 13:18	Khloe J Berg	2482445
	04/16/2024			04/16/2024 13:19	Khloe J Berg	2482447
	04/16/2024			04/16/2024 13:20	Khloe J Berg	2482449
	04/16/2024			04/16/2024 13:22	Khloe J Berg	2482451
	04/16/2024			04/16/2024 13:24	Khloe J Berg	2482453
EPA 300.0 Rev. 2.1	04/16/2024			04/26/2024 10:01	Samantha L Bates	2482441
	04/16/2024			04/26/2024 10:16	Samantha L Bates	2482443
	04/16/2024			04/26/2024 10:31	Samantha L Bates	2482445
	04/16/2024			04/26/2024 10:46	Samantha L Bates	2482447
	04/16/2024			04/26/2024 13:32	Samantha L Bates	2482449
	04/16/2024			04/26/2024 13:48	Samantha L Bates	2482451
	04/16/2024			04/26/2024 14:03	Samantha L Bates	2482453
EPA 350.1 Rev. 2.0	04/16/2024			04/18/2024 11:36	Khloe J Berg	2482442
	04/16/2024			04/18/2024 11:37	Khloe J Berg	2482444
	04/16/2024			04/18/2024 11:38	Khloe J Berg	2482446
	04/16/2024			04/18/2024 11:50	Khloe J Berg	2482448
	04/16/2024			04/18/2024 11:54	Khloe J Berg	2482450
	04/16/2024			04/18/2024 11:56	Khloe J Berg	2482452
	04/16/2024			04/18/2024 11:57	Khloe J Berg	2482454
EPA 351.2 Rev. 2.0	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 10:50	Ping Hua	2482442
	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 10:52	Ping Hua	2482444
	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 10:53	Ping Hua	2482446
	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 10:55	Ping Hua	2482448
	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 11:00	Ping Hua	2482450
	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 11:01	Ping Hua	2482452
	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 11:03	Ping Hua	2482454
EPA 353.2 Rev. 2.0	04/16/2024			04/23/2024 14:56	Fadila Guebre	2482442
	04/16/2024			04/23/2024 15:03	Fadila Guebre	2482444
	04/16/2024			04/23/2024 15:04	Fadila Guebre	2482446
	04/16/2024			04/23/2024 15:06	Fadila Guebre	2482448
	04/16/2024			04/23/2024 15:07	Fadila Guebre	2482450
	04/16/2024			04/23/2024 15:08	Fadila Guebre	2482452
	04/16/2024			04/23/2024 15:09	Fadila Guebre	2482454
EPA 365.1 Rev. 2.0	04/16/2024	04/17/2024 13:05	Adam P Silver	04/18/2024 11:48	Simonne.V. Calhoun	2482442

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 365.1 Rev. 2.0	04/16/2024	04/17/2024 13:05	Adam P Silver	04/18/2024 11:49	Simonne.V. Calhoun	2482444
	04/16/2024	04/17/2024 13:05	Adam P Silver	04/19/2024 13:23	Simonne.V. Calhoun	2482446
	04/16/2024	04/18/2024 13:56	Josephine W Gitau	04/19/2024 12:21	Simonne.V. Calhoun	2482450
	04/16/2024	04/18/2024 13:56	Josephine W Gitau	04/19/2024 14:08	Simonne.V. Calhoun	2482454
	04/16/2024	04/18/2024 13:56	Josephine W Gitau	04/19/2024 14:09	Simonne.V. Calhoun	2482448
	04/16/2024	04/18/2024 13:56	Josephine W Gitau	04/19/2024 14:10	Simonne.V. Calhoun	2482452
EPA 8270E	04/16/2024	04/17/2024 08:00	Rasheda Ghaffari	04/22/2024 17:59	Arthur Maknenko	2482500
	04/16/2024	04/17/2024 08:00	Rasheda Ghaffari	04/22/2024 20:09	Arthur Maknenko	2482502
	04/16/2024	04/17/2024 08:00	Rasheda Ghaffari	04/24/2024 21:44	Julie Wi	2482500
	04/16/2024	04/17/2024 08:00	Rasheda Ghaffari	04/24/2024 23:29	Julie Wi	2482502
	04/16/2024	04/18/2024 08:00	Rasheda Ghaffari	04/23/2024 00:48	Kenedi Mills	2482499
	04/16/2024	04/18/2024 08:00	Rasheda Ghaffari	04/23/2024 02:16	Kenedi Mills	2482501
	04/16/2024	04/18/2024 08:00	Rasheda Ghaffari	04/25/2024 02:45	Lipi Saha	2482499
	04/16/2024	04/18/2024 08:00	Rasheda Ghaffari	04/25/2024 03:18	Lipi Saha	2482501
EPA 8276	04/16/2024	04/18/2024 08:00	Rasheda Ghaffari	04/23/2024 11:19	Arthur Maknenko	2482499
	04/16/2024	04/18/2024 08:00	Rasheda Ghaffari	04/23/2024 12:17	Arthur Maknenko	2482501
EPA 8321B	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/17/2024 20:50	Juyoung Kim	2482485
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/17/2024 21:07	Juyoung Kim	2482492
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 02:10	Juyoung Kim	2482486
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 02:28	Juyoung Kim	2482487
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 02:46	Juyoung Kim	2482488
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 03:03	Juyoung Kim	2482489
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 03:21	Juyoung Kim	2482490
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 03:57	Juyoung Kim	2482491
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 04:14	Juyoung Kim	2482493
	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 04:32	Juyoung Kim	2482494
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 14:24	Samatha Luckman	2482486
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 14:38	Samatha Luckman	2482487
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 14:51	Samatha Luckman	2482488
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 15:05	Samatha Luckman	2482489
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 15:18	Samatha Luckman	2482490
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 15:45	Samatha Luckman	2482491
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 15:58	Samatha Luckman	2482493
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 16:12	Samatha Luckman	2482494
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 16:08	Samatha Luckman	2482486
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 16:22	Samatha Luckman	2482487
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 16:36	Samatha Luckman	2482488
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 16:50	Samatha Luckman	2482489
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 17:04	Samatha Luckman	2482490
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 17:32	Samatha Luckman	2482491

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8321B	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 17:46	Samatha Luckman	2482493
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 18:00	Samatha Luckman	2482494
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 22:09	Samatha Luckman	2482494
SM 2320 B-2011	04/16/2024			04/17/2024 20:59	Dale L. Simmons	2482453
	04/16/2024			04/17/2024 21:36	Dale L. Simmons	2482443
	04/16/2024			04/17/2024 21:48	Dale L. Simmons	2482441
	04/16/2024			04/17/2024 22:35	Dale L. Simmons	2482445
	04/16/2024			04/17/2024 22:48	Dale L. Simmons	2482449
	04/16/2024			04/17/2024 23:00	Dale L. Simmons	2482447
	04/16/2024			04/17/2024 23:12	Dale L. Simmons	2482451
SM 2540 C-2015	04/16/2024			04/19/2024 16:49	Yijie Li	2482441, 2482443, 2482445, 2482449, 2482453
	04/16/2024			04/30/2024 15:24	Yijie Li	2482447, 2482451
SM 2540 D-2015	04/16/2024			04/19/2024 16:49	Yijie Li	2482441, 2482443, 2482445, 2482447, 2482449, 2482451, 2482453
SM 4500-F- C-2011	04/16/2024			04/17/2024 20:59	Dale L. Simmons	2482453
	04/16/2024			04/17/2024 21:36	Dale L. Simmons	2482443
	04/16/2024			04/17/2024 21:48	Dale L. Simmons	2482441
	04/16/2024			04/17/2024 22:35	Dale L. Simmons	2482445
	04/16/2024			04/17/2024 22:48	Dale L. Simmons	2482449
	04/16/2024			04/17/2024 23:00	Dale L. Simmons	2482447
	04/16/2024			04/17/2024 23:12	Dale L. Simmons	2482451
SM 5310 B-2014	04/16/2024			04/20/2024 00:46	Kenneth H Lee	2482442
	04/16/2024			04/22/2024 17:32	Jessica K Wilks	2482446
	04/16/2024			04/22/2024 18:18	Jessica K Wilks	2482448
	04/16/2024			04/22/2024 18:33	Jessica K Wilks	2482450
	04/16/2024			04/22/2024 18:47	Jessica K Wilks	2482452
	04/16/2024			04/22/2024 19:01	Jessica K Wilks	2482454
	04/16/2024			04/23/2024 09:10	Jessica K Wilks	2482444