Chemical Analysis Report

SE-DIST-2024-06-04-01

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

Event Description: **SMP - Vero Beach (w Boat sites)**
Request ID: **RQ-2024-05-20-17**
Customer: **SE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
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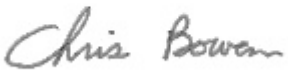
Certified by: Chris Bowen, Environmental Administrator

Date Certified: 27-JUN-2024 11:19



Case Narrative

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

Results for the following analytical groups are included in this report: Nutrients and Pesticides.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to the amount of analyte spiked) for a meaningful measurement of recovery. Where matrix QC results are unavailable, other method performance metrics (e.g., LCS recovery, LCS precision, surrogate recovery) may be used to assess performance of the method. Comments explaining any missing QC measurements are not intended to convey any adverse conclusions about the quality of the reported data.

Precision is reported as relative percent difference unless otherwise noted.

Quality Control codes as defined below may be used in this report to indicate results that are associated with one or more quality control elements which did not fall within established test method criteria. Such results may be qualified as estimates using a J qualifier as required by 62-160 F.A.C. Explanations are included in the report for any results that were reported as estimates for other reasons.

QC Codes used in this report may include:

- LCS – Recovery for the batch Laboratory Control Sample (LCS) was outside existing control limits;
- MS – Recovery for the batch matrix spike (MS) was outside existing control limits;
- CCV – Recovery for a continuing calibration verification (CCV) standard was outside existing control limits;
- SUR – Recovery of a surrogate (SUR) for associated analytes was outside existing control limits;
- RPD – The precision, measured as relative percent difference (RPD), of batch replicate measurements was outside existing control limits;
- RSD – The precision, measured as relative standard deviation (RSD), of batch replicate measurements was outside existing control limits;
- SMP – Sample - used precision derived from replicate analyses of a sample;

The following data qualifiers are used, where applicable, in this report as specified in 62-160 F.A.C.

- A - Value reported is the mean of two or more determinations.
- B - Results based on colony counts outside the acceptable range.
- I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J - Estimated value and/or the analysis did not meet established quality control criteria.
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- N - Presumptive evidence of presence of material.
- O - Sampled, but analysis lost or not performed.
- Q - Sample held beyond normal holding time.
- T - Value reported is less than the criterion of detection.
- U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
- V - Analyte was detected in both sample and method blank.
- X - Too few individuals to calculate SCI value.
- Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
- Z - Colonies were too numerous to count (TNTC).

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Sample Location: LATERAL C CANAL NEAR 85TH ST **Collection Date/Time: 06/03/2024 10:30**

Field ID: G5SE0143 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490889	DEP SOP: NU-094-1	Color (true)	14		PCU	P446008	
	EPA 180.1 Rev. 2.0	Turbidity	2.8		NTU	P446013	
	EPA 300.0 Rev. 2.1	Chloride	930		mg Cl/L	P446251	
		Sulfate	180		mg SO4/L	P446255	
	SM 2320 B-2011	Total Alkalinity	139		mg CaCO3/L	P446260	
	SM 2540 C-2015	TDS	1.94E+03		mg/L	P446586	
	SM 2540 D-2015	TSS	4	I	mg/L	P446455	
	SM 4500-F- C-2011	Fluoride	0.62		mg F/L	P446263	
2490890	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	I	mg N/L	P446061	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.82		mg N/L	P446685	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	I	mg N/L	P446221	
	EPA 365.1 Rev. 2.0	Total-P	0.072		mg P/L	P446070	
	SM 5310 B-2014	Organic Carbon	6.8		mg C/L	P446510	
2490917	EPA 8321B	Acesulfame K	0.10	U	ug/L	P445966	
		2,4-D	0.0020	U	ug/L	P445964	
		AMPA	0.10	U	ug/L	P445966	
		2,4,5-T	0.0040	U	ug/L	P445964	
		Acetaminophen	0.0080	U	ug/L	P445964	
		Endothall	0.25	U	ug/L	P445966	
		Acetamiprid	0.0020	U	ug/L	P445964	
		Glufosinate	0.10	U	ug/L	P445966	
		Glyphosate	0.10	U	ug/L	P445966	
		Afidopyropen	0.0020	U	ug/L	P445964	
		Sucralose	0.010	U	ug/L	P445966	
		Bentazon	8.0E-04	U	ug/L	P445964	
		Benzovindiflupyr	0.0020	U	ug/L	P445964	
		Carbamazepine	8.0E-04	U	ug/L	P445964	
		Clothianidin	0.0020	U	ug/L	P445964	
		Dinotefuran	0.0020	U	ug/L	P445964	
		Diuron	0.0020	U	ug/L	P445964	
		Fenuron	0.032	U	ug/L	P445964	
		Fluridone	4.0E-04	U	ug/L	P445964	
		Imazapyr	0.0040	U	ug/L	P445964	
		Hydrocodone	0.0020	U	ug/L	P445964	
		Ibuprofen	0.080	U	ug/L	P445964	
		Imidacloprid	0.0020	U	ug/L	P445964	MS
		Linuron	0.0020	U	ug/L	P445964	
		Mandestrobin	0.0020	U	ug/L	P445964	
		MCPP	0.0020	U	ug/L	P445964	
		Naproxen	0.0080	U	ug/L	P445964	
		Primidone	0.0040	U	ug/L	P445964	
		Pyraclostrobin	0.0020	U	ug/L	P445964	
		Silvex	0.0040	U	ug/L	P445964	
		Thiamethoxam	0.0020	U	ug/L	P445964	MS

Field ID: G5SE0143 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490917	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445964	
		Triclopyr	0.0040	U	ug/L	P445964	

Ref. Method and Comment:
EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked sample.
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: 06/03/2024 11:00**

Field ID: G5SE0144 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490891	DEP SOP: NU-094-1	Color (true)	19		PCU	P446008	
	EPA 180.1 Rev. 2.0	Turbidity	1.4		NTU	P446013	
	EPA 300.0 Rev. 2.1	Chloride	670		mg Cl/L	P446251	
		Sulfate	150		mg SO4/L	P446255	
	SM 2320 B-2011	Total Alkalinity	154		mg CaCO3/L	P446260	
	SM 2540 C-2015	TDS	1.47E+03		mg/L	P446586	
	SM 2540 D-2015	TSS	3	I	mg/L	P446455	
	SM 4500-F- C-2011	Fluoride	0.65		mg F/L	P446263	
2490892	EPA 350.1 Rev. 2.0	Ammonia-N	0.018		mg N/L	P446061	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.38		mg N/L	P446685	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.039		mg N/L	P446221	
	EPA 365.1 Rev. 2.0	Total-P	0.025		mg P/L	P446070	
	SM 5310 B-2014	Organic Carbon	5.1		mg C/L	P446510	
2490918	EPA 8321B	Acesulfame K	0.10	U	ug/L	P445966	
		2,4-D	0.0020	U	ug/L	P445964	
		AMPA	0.10	U	ug/L	P445966	
		2,4,5-T	0.0040	U	ug/L	P445964	
		Acetaminophen	0.0080	U	ug/L	P445964	
		Endothall	0.25	U	ug/L	P445966	
		Acetamiprid	0.0020	U	ug/L	P445964	
		Glufosinate	0.10	U	ug/L	P445966	
		Glyphosate	0.10	U	ug/L	P445966	
		Afidopyropen	0.0020	U	ug/L	P445964	
		Sucralose	0.066		ug/L	P445966	
		Bentazon	0.051		ug/L	P445964	
		Benzovindiflupyr	0.0020	U	ug/L	P445964	
		Carbamazepine	8.0E-04	U	ug/L	P445964	
		Clothianidin	0.0020	U	ug/L	P445964	
		Dinotefuran	0.0020	U	ug/L	P445964	
		Diuron	0.0020	U	ug/L	P445964	
		Fenuron	0.032	U	ug/L	P445964	
		Fluridone	4.0E-04	U	ug/L	P445964	
		Imazapyr	0.0040	U	ug/L	P445964	
		Hydrocodone	0.0020	U	ug/L	P445964	
		Ibuprofen	0.080	U	ug/L	P445964	
		Imidacloprid	0.0020	U	ug/L	P445964	MS
		Linuron	0.0020	U	ug/L	P445964	
		Mandestrobin	0.0020	U	ug/L	P445964	
		MCPP	0.0020	U	ug/L	P445964	
		Naproxen	0.0080	U	ug/L	P445964	
		Primidone	0.0040	U	ug/L	P445964	
		Pyraclostrobin	0.0020	U	ug/L	P445964	
		Silvex	0.0040	U	ug/L	P445964	
		Thiamethoxam	0.0020	U	ug/L	P445964	MS

Field ID: G5SE0144 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490918	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445964	
		Triclopyr	0.0040	U	ug/L	P445964	

Ref. Method and Comment:
EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked 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: 06/03/2024 11:30**

Field ID: G5SE0141 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490893	DEP SOP: NU-094-1	Color (true)	13		PCU	P446008	
	EPA 180.1 Rev. 2.0	Turbidity	1.2		NTU	P446013	
	EPA 300.0 Rev. 2.1	Chloride	890		mg Cl/L	P446251	
		Sulfate	190		mg SO4/L	P446255	
	SM 2320 B-2011	Total Alkalinity	137		mg CaCO3/L	P446260	
	SM 2540 C-2015	TDS	1.77E+03		mg/L	P446586	
	SM 2540 D-2015	TSS	4	I	mg/L	P446455	
	SM 4500-F- C-2011	Fluoride	0.57		mg F/L	P446263	
2490894	EPA 350.1 Rev. 2.0	Ammonia-N	0.002	U	mg N/L	P446061	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.42	J	mg N/L	P446685	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	I	mg N/L	P446221	
	EPA 365.1 Rev. 2.0	Total-P	0.042		mg P/L	P446070	
	SM 5310 B-2014	Organic Carbon	4.4		mg C/L	P446510	
2490919	EPA 8321B	Acesulfame K	0.10	U	ug/L	P445966	
		2,4-D	0.0020	U	ug/L	P445964	
		AMPA	0.10	U	ug/L	P445966	
		2,4,5-T	0.0040	U	ug/L	P445964	
		Acetaminophen	0.0080	U	ug/L	P445964	
		Endothall	0.25	U	ug/L	P445966	
		Acetamiprid	0.0020	U	ug/L	P445964	
		Glufosinate	0.10	U	ug/L	P445966	
		Glyphosate	0.10	U	ug/L	P445966	
		Afidopyropen	0.0020	U	ug/L	P445964	
		Sucralose	0.010	U	ug/L	P445966	
		Bentazon	8.0E-04	U	ug/L	P445964	
		Benzovindiflupyr	0.0020	U	ug/L	P445964	
		Carbamazepine	8.0E-04	U	ug/L	P445964	
		Clothianidin	0.0020	U	ug/L	P445964	
		Dinotefuran	0.0020	U	ug/L	P445964	
		Diuron	0.0020	U	ug/L	P445964	
		Fenuron	0.032	U	ug/L	P445964	
		Fluridone	4.0E-04	U	ug/L	P445964	
		Imazapyr	0.0040	U	ug/L	P445964	
		Hydrocodone	0.0020	U	ug/L	P445964	
		Ibuprofen	0.080	U	ug/L	P445964	
		Imidacloprid	0.0020	U	ug/L	P445964	MS
		Linuron	0.0020	U	ug/L	P445964	
		Mandestrobin	0.0020	U	ug/L	P445964	
		MCPP	0.0020	U	ug/L	P445964	
		Naproxen	0.0080	U	ug/L	P445964	
		Primidone	0.0040	U	ug/L	P445964	
		Pyraclostrobin	0.0020	U	ug/L	P445964	
		Silvex	0.0040	U	ug/L	P445964	
		Thiamethoxam	0.0020	U	ug/L	P445964	MS

Field ID: G5SE0141 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490919	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445964	
		Triclopyr	0.0040	U	ug/L	P445964	

Ref. Method and Comment:
EPA 351.2 Rev. 2.0: The sample appears to be heterogeneous with respect to Total Kjeldahl Nitrogen analysis.
EPA 8321B: MS accuracy for some analytes could not be assessed due to a high concentration of parameters in the spiked 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: 06/03/2024 12:00**

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490883	DEP SOP: NU-094-1	Color (true)	55		PCU	P445997	
	EPA 180.1 Rev. 2.0	Turbidity	3.5		NTU	P446013	
	EPA 300.0 Rev. 2.1	Chloride	320		mg Cl/L	P446251	
		Sulfate	64		mg SO4/L	P446255	
	SM 2320 B-2011	Total Alkalinity	203		mg CaCO3/L	P446260	
	SM 2540 C-2015	TDS	836		mg/L	P446626	
	SM 2540 D-2015	TSS	4	I	mg/L	P446190	
	SM 4500-F- C-2011	Fluoride	0.46		mg F/L	P446263	
2490884	EPA 350.1 Rev. 2.0	Ammonia-N	0.021		mg N/L	P446061	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.84		mg N/L	P446685	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.007	I	mg N/L	P446220	
	EPA 365.1 Rev. 2.0	Total-P	0.14		mg P/L	P446070	
	SM 5310 B-2014	Organic Carbon	14		mg C/L	P446510	
2490913	EPA 8321B	Aldicarb	0.020	U	ug/L	P446073	
		Aldicarb Sulfone	0.0020	U	ug/L	P446073	
		Aldicarb Sulfoxide	0.0020	U	ug/L	P446073	MS
		Carbaryl	0.0020	U	ug/L	P446073	
		Carbofuran	0.0020	U	ug/L	P446073	
		3-Hydroxycarbofuran	0.0020	U	ug/L	P446073	
		Methiocarb	0.0020	U	ug/L	P446073	
		Methomyl	0.0020	U	ug/L	P446073	
		Oxamyl	0.0020	U	ug/L	P446073	
		Propoxur	0.0020	U	ug/L	P446073	
2490914		Acesulfame K	0.20	I	ug/L	P445966	
		2,4-D	0.22		ug/L	P445964	
		AMPA	29		ug/L	P445966	
		2,4,5-T	0.0040	U	ug/L	P445964	
		Acetaminophen	0.0080	U	ug/L	P445964	
		Endothall	0.25	U	ug/L	P445966	
		Acetamiprid	0.0020	U	ug/L	P445964	
		Glufosinate	0.10	U	ug/L	P445966	
		Glyphosate	36		ug/L	P445966	
		Afidopyropen	0.0020	U	ug/L	P445964	
		Sucralose	0.32		ug/L	P445966	
		Bentazon	0.022		ug/L	P445964	
		Benzovindiflupyr	0.0020	U	ug/L	P445964	
		Carbamazepine	8.0E-04	U	ug/L	P445964	
		Clothianidin	0.0020	U	ug/L	P445964	
		Dinotefuran	0.0020	U	ug/L	P445964	
		Diuron	0.0020	U	ug/L	P445964	
		Fenuron	0.032	U	ug/L	P445964	
		Fluridone	0.0037		ug/L	P445964	
		Imazapyr	1.3		ug/L	P445964	
		Hydrocodone	0.0020	U	ug/L	P445964	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490914	EPA 8321B	Ibuprofen	0.080	U	ug/L	P445964	
		Imidacloprid	0.0024	I	ug/L	P445964	MS
		Linuron	0.0020	U	ug/L	P445964	
		Mandestrobin	0.0020	U	ug/L	P445964	
		MCPP	0.0020	U	ug/L	P445964	
		Naproxen	0.0080	U	ug/L	P445964	
		Primidone	0.0082	I	ug/L	P445964	
		Pyraclostrobin	0.0020	U	ug/L	P445964	
		Silvex	0.0040	U	ug/L	P445964	
		Thiamethoxam	0.0020	U	ug/L	P445964	MS
		Tolfenpyrad	0.0020	U	ug/L	P445964	
		Triclopyr	0.0040	U	ug/L	P445964	
2490920	EPA 8270E	Aldrin	0.66	U	ng/L	P445967	
		Alpha-BHC	0.10	U	ng/L	P445967	
		Alpha-Chlordane	0.20	U	ng/L	P445967	
		PCB-1016	2.0	U	ng/L	P445967	
		Beta-BHC	0.10	U	ng/L	P445967	
		PCB-1221	2.0	U	ng/L	P445967	
		Beta-Cyfluthrin	1.3	U	ng/L	P445967	
		PCB-1232	2.0	U	ng/L	P445967	
		Bifenthrin	0.51	U	ng/L	P445967	
		PCB-1242	2.0	U	ng/L	P445967	
		PCB-1248	2.0	U	ng/L	P445967	
		Chlorothalonil	3.7	U	ng/L	P445967	
		PCB-1254	2.0	U	ng/L	P445967	
		Cis-Nonachlor	0.20	U	ng/L	P445967	
		PCB-1260	2.0	U	ng/L	P445967	
		Cypermethrin	1.5	U	ng/L	P445967	
		Dacthal	0.15	U	ng/L	P445967	
		DDD-p,p'	0.26	U	ng/L	P445967	
		DDE-p,p'	0.20	U	ng/L	P445967	
		DDT-p,p'	0.82	U	ng/L	P445967	
		Delta-BHC	0.41	U	ng/L	P445967	
		Deltamethrin	1.3	U	ng/L	P445967	
		Dichlobenil	0.26	U	ng/L	P445967	
		Dicofol	1.3	U	ng/L	P445967	
		Dieldrin	0.41	U	ng/L	P445967	
		Endosulfan I	0.41	U	ng/L	P445967	
		Endosulfan II	0.92	U	ng/L	P445967	
		Endosulfan Sulfate	0.31	U	ng/L	P445967	
		Endrin	0.92	U	ng/L	P445967	
		Endrin Aldehyde	0.77	U	ng/L	P445967	
		Endrin Ketone	0.41	U	ng/L	P445967	
		Esfenvalerate	0.77	U	ng/L	P445967	
		Ethalfluralin	0.15	U	ng/L	P445967	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490920	EPA 8270E	Fenpropathrin	0.26	U	ng/L	P445967	
		Gamma-BHC	0.13	U	ng/L	P445967	
		Gamma-Chlordane	0.20	U	ng/L	P445967	
		Heptachlor	0.20	U	ng/L	P445967	
		Heptachlor Epoxide	0.26	U	ng/L	P445967	
		Hexachlorobenzene**	1.0	U	ng/L	P445967	
		Kepone	14	UJ	ng/L	P445967	CCV
		Lambda-Cyhalothrin	0.77	U	ng/L	P445967	
		Methoprene	0.77	U	ng/L	P445967	
		Methoxychlor	0.31	U	ng/L	P445967	
		MGK-264	0.20	U	ng/L	P445967	
		Mirex	0.36	U	ng/L	P445967	
		Oxychlordane	0.31	U	ng/L	P445967	
		Permethrin	1.6	U	ng/L	P445967	
		Phenothrin	0.92	U	ng/L	P445967	
		Piperonyl Butoxide	0.52	I	ng/L	P445967	
		Prallethrin	2.0	U	ng/L	P445967	
		Tau-Fluvalinate	0.26	U	ng/L	P445967	
		Tetramethrin	0.77	U	ng/L	P445967	
		Trans-Nonachlor	0.20	U	ng/L	P445967	
		Triclosan Methyl	0.15	U	ng/L	P445967	
		Trifluralin	0.20	U	ng/L	P445967	
	EPA 8276	Chlordane	2.0	U	ng/L	P445967	
		Toxaphene	15	U	ng/L	P445967	
2490921	EPA 8270E	Oxybenzone**	10	U	ng/L	P445968	
		Acetochlor	0.20	U	ng/L	P445968	
		Octinoxate**	150	U	ng/L	P445968	RPD
		Alachlor	0.41	U	ng/L	P445968	
		Avobenzone**	100	U	ng/L	P445968	MS
		Ametryn	1.2	I	ng/L	P445968	
		Atrazine	7.4		ng/L	P445968	
		PBDE-47**	4.1	U	ng/L	P445968	
		Atrazine Desethyl	1.3	U	ng/L	P445968	MS
		PBDE-99**	5.1	U	ng/L	P445968	
		Azinphos Methyl	3.0	U	ng/L	P445968	
		Tri-o-cresyl Phosphate**	6.1	U	ng/L	P445968	RPD
		Azoxystrobin	0.41	U	ng/L	P445968	
		Bromacil	16		ng/L	P445968	
		2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)**	12	U	ng/L	P445968	
		Butylate	0.46	U	ng/L	P445968	
		Dechlorane Plus**	30	U	ng/L	P445968	
		Caffeine**	12	I	ng/L	P445968	
		Dechlorane 602**	5.1	U	ng/L	P445968	RPD
		Carbophenothion	0.51	U	ng/L	P445968	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490921	EPA 8270E	Dechlorane 603**	4.1	U	ng/L	P445968	
		Carfentrazone Ethyl	0.15	U	ng/L	P445968	
		Hexabromobenzene**	6.1	U	ng/L	P445968	
		Chlorfenapyr	0.30	U	ng/L	P445968	
		PBB-153**	6.1	U	ng/L	P445968	
		Chlorpyrifos Ethyl	0.30	U	ng/L	P445968	
		Pentabromotoluene**	3.0	U	ng/L	P445968	RPD
		Chlorpyrifos Methyl	0.10	U	ng/L	P445968	
		Tris(2-chloroethyl) phosphate (TCEP)**	56	UJ	ng/L	P445968	LCS, MS, RPD
		Coumaphos	1.1	U	ng/L	P445968	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	25	U	ng/L	P445968	MS, RPD
		Cyanazine	5.1	U	ng/L	P445968	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	2.5	U	ng/L	P445968	MS, RPD
		Cyprodinil	0.20	U	ng/L	P445968	
		Tetradecachloro-m-terphenyl**	7.6	U	ng/L	P445968	RPD
		Demeton	3.6	U	ng/L	P445968	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	61	U	ng/L	P445968	
		Diazinon	0.13	U	ng/L	P445968	
		Difenoconazole	0.61	U	ng/L	P445968	
		Dimethenamid	0.10	U	ng/L	P445968	
		Dimethomorph	0.30	U	ng/L	P445968	
		Disulfoton	0.61	U	ng/L	P445968	
		Dithiopyr	1.0	U	ng/L	P445968	
		EPTC	0.51	U	ng/L	P445968	
		Ethion	0.30	U	ng/L	P445968	
		Ethoprop	0.13	U	ng/L	P445968	
		Etridiazole	0.10	U	ng/L	P445968	
		Fenamiphos	0.46	U	ng/L	P445968	
		Fenbuconazole	0.51	U	ng/L	P445968	
		Fipronil	0.20	U	ng/L	P445968	
		Fipronil Desulfinyl**	0.64		ng/L	P445968	
		Fipronil Sulfide	1.1		ng/L	P445968	
		Fipronil Sulfone	0.62		ng/L	P445968	
		Fluazifop-P-butyl	0.10	U	ng/L	P445968	
		Fludioxonil	0.10	U	ng/L	P445968	
		Flumioxazin	3.0	U	ng/L	P445968	
		Flutolanil	0.10	U	ng/L	P445968	
		Fluxapyroxad	0.25	U	ng/L	P445968	
		Fonofos	0.15	U	ng/L	P445968	
		Hexazinone	0.51	U	ng/L	P445968	
		Imazalil	0.66	U	ng/L	P445968	
		Iprodione	0.51	U	ng/L	P445968	
		Loratadine**	0.30	U	ng/L	P445968	

Field ID: G5SE0069 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490921	EPA 8270E	Malathion	0.36	U	ng/L	P445968	MS, RPD
		Metalaxyl	0.51	U	ng/L	P445968	
		Metolachlor	0.76	U	ng/L	P445968	
		Metribuzin	0.41	U	ng/L	P445968	
		Mevinphos	1.0	U	ng/L	P445968	
		Molinate	0.25	U	ng/L	P445968	
		Myclobutanil	0.36	U	ng/L	P445968	
		Naled	2.5	U	ng/L	P445968	
		Napropamide	0.71	U	ng/L	P445968	RPD
		Norflurazon	8.7		ng/L	P445968	
		Oxadiazon	0.86	I	ng/L	P445968	
		Oxyfluorfen	0.20	U	ng/L	P445968	
		Parathion Ethyl	0.15	U	ng/L	P445968	
		Parathion Methyl	0.20	U	ng/L	P445968	
		Pendimethalin	1.7	U	ng/L	P445968	MS
		Phenytoin**	5.4	U	ng/L	P445968	
		Phorate	0.25	U	ng/L	P445968	
		Prodiamine	0.20	UJ	ng/L	P445968	CCV
		Prometon	3.0	U	ng/L	P445968	
		Prometryn	0.36	U	ng/L	P445968	
		Pronamide	0.10	U	ng/L	P445968	
		Propanil	0.10	U	ng/L	P445968	
		Propargite	0.81	U	ng/L	P445968	
		Propiconazole	0.61	U	ng/L	P445968	
		Pyraflufen Ethyl	0.30	U	ng/L	P445968	
		Pyridaben	1.4	U	ng/L	P445968	
		Pyriproxyfen	0.25	U	ng/L	P445968	
		Simazine	0.25	U	ng/L	P445968	
		Stirophos	0.41	U	ng/L	P445968	
		Sulfentrazone	2.1	I	ng/L	P445968	
		Tebuconazole	1.4	U	ng/L	P445968	
		Terbufos	0.20	U	ng/L	P445968	
		Terbuthylazine	0.20	U	ng/L	P445968	
		Thiobencarb	0.51	U	ng/L	P445968	MS, RPD
		Triadimefon	0.15	U	ng/L	P445968	

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 a high concentration of parameters in the spiked 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 atrazine not assessed due to high content of this parameter in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: MAIN CANAL AT KINGS HIGHWAY **Collection Date/Time: 06/03/2024 13:20**

Field ID: G5SE0115 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490887	DEP SOP: NU-094-1	Color (true)	43		PCU	P446008	
	EPA 180.1 Rev. 2.0	Turbidity	5.6		NTU	P446013	
	EPA 300.0 Rev. 2.1	Chloride	580		mg Cl/L	P446251	
		Sulfate	120		mg SO4/L	P446255	
	SM 2320 B-2011	Total Alkalinity	186		mg CaCO3/L	P446260	
	SM 2540 C-2015	TDS	1.24E+03	J	mg/L	P446626	
	SM 2540 D-2015	TSS	9	I	mg/L	P446190	
	SM 4500-F- C-2011	Fluoride	0.55		mg F/L	P446263	
2490888	EPA 350.1 Rev. 2.0	Ammonia-N	0.004	I	mg N/L	P446200	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.2		mg N/L	P446685	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	U	mg N/L	P446221	
	EPA 365.1 Rev. 2.0	Total-P	0.093		mg P/L	P446070	
	SM 5310 B-2014	Organic Carbon	12		mg C/L	P446510	
2490916	EPA 8321B	Acesulfame K	0.29	I	ug/L	P445966	
		2,4-D	0.23		ug/L	P445964	
		AMPA	4.5		ug/L	P445966	
		2,4,5-T	0.0040	U	ug/L	P445964	
		Acetaminophen	0.0080	U	ug/L	P445964	
		Endothall	0.25	U	ug/L	P445966	
		Acetamiprid	0.0020	U	ug/L	P445964	
		Glufosinate	0.10	U	ug/L	P445966	
		Glyphosate	30		ug/L	P445966	
		Afidopyropen	0.0020	U	ug/L	P445964	
		Sucralose	2.0		ug/L	P445966	
		Bentazon	0.012		ug/L	P445964	
		Benzovindiflupyr	0.0020	U	ug/L	P445964	
		Carbamazepine	0.0028	I	ug/L	P445964	
		Clothianidin	0.0020	U	ug/L	P445964	
		Dinotefuran	0.0020	U	ug/L	P445964	
		Diuron	0.0020	U	ug/L	P445964	
		Fenuron	0.032	U	ug/L	P445964	
		Fluridone	0.0010	I	ug/L	P445964	
		Imazapyr	0.29		ug/L	P445964	
		Hydrocodone	0.0020	U	ug/L	P445964	
		Ibuprofen	0.080	U	ug/L	P445964	
		Imidacloprid	0.0020	U	ug/L	P445964	MS
		Linuron	0.0020	U	ug/L	P445964	
		Mandestrobin	0.0020	U	ug/L	P445964	
		MCPP	0.0020	U	ug/L	P445964	
		Naproxen	0.0080	U	ug/L	P445964	
		Primidone	0.021		ug/L	P445964	
		Pyraclostrobin	0.0020	U	ug/L	P445964	
		Silvex	0.0040	U	ug/L	P445964	
		Thiamethoxam	0.0020	U	ug/L	P445964	MS

Field ID: G5SE0115 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490916	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445964	
		Triclopyr	0.0040	U	ug/L	P445964	

Ref. Method and Comment:
SM 2540 C-2015: Constant dry weight was not attained.
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 a high concentration of parameters in the spiked 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: 06/03/2024 13:50**

Field ID: G5SE0086 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490885	DEP SOP: NU-094-1	Color (true)	54	AJ	PCU	P446008	
	EPA 180.1 Rev. 2.0	Turbidity	16		NTU	P446013	
	EPA 300.0 Rev. 2.1	Chloride	170		mg Cl/L	P446251	
		Sulfate	39		mg SO4/L	P446255	
	SM 2320 B-2011	Total Alkalinity	231		mg CaCO3/L	P446260	
	SM 2540 C-2015	TDS	589	A	mg/L	P446626	
	SM 2540 D-2015	TSS	15		mg/L	P446190	
	SM 4500-F- C-2011	Fluoride	0.24		mg F/L	P446263	
2490886	EPA 350.1 Rev. 2.0	Ammonia-N	0.21		mg N/L	P446200	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.0		mg N/L	P446685	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.017		mg N/L	P446221	
	EPA 365.1 Rev. 2.0	Total-P	0.38		mg P/L	P446070	
	SM 5310 B-2014	Organic Carbon	12		mg C/L	P446510	
2490915	EPA 8321B	Acesulfame K	1.2		ug/L	P445966	
		2,4-D	0.012		ug/L	P445964	
		AMPA	2.9		ug/L	P445966	
		2,4,5-T	0.0040	U	ug/L	P445964	
		Acetaminophen	0.0080	U	ug/L	P445964	
		Endothall	0.25	U	ug/L	P445966	
		Acetamiprid	0.0020	U	ug/L	P445964	
		Glufosinate	0.10	U	ug/L	P445966	
		Glyphosate	2.7		ug/L	P445966	
		Afidopyropen	0.0020	U	ug/L	P445964	
		Sucralose	0.71		ug/L	P445966	
		Bentazon	0.089		ug/L	P445964	
		Benzovindiflupyr	0.0020	U	ug/L	P445964	
		Carbamazepine	9.6E-04	I	ug/L	P445964	
		Clothianidin	0.0020	U	ug/L	P445964	
		Dinotefuran	0.0020	U	ug/L	P445964	
		Diuron	0.0047	I	ug/L	P445964	
		Fenuron	0.032	U	ug/L	P445964	
		Fluridone	0.0035		ug/L	P445964	
		Imazapyr	0.46		ug/L	P445964	
		Hydrocodone	0.0020	U	ug/L	P445964	
		Ibuprofen	0.080	U	ug/L	P445964	
		Imidacloprid	0.0020	UJ	ug/L	P445964	MS
		Linuron	0.0020	U	ug/L	P445964	
		Mandestrobin	0.0020	U	ug/L	P445964	
		MCPP	0.0020	U	ug/L	P445964	
		Naproxen	0.0080	U	ug/L	P445964	
		Primidone	0.012	I	ug/L	P445964	
		Pyraclostrobin	0.0020	U	ug/L	P445964	
		Silvex	0.0040	U	ug/L	P445964	
		Thiamethoxam	0.0020	UJ	ug/L	P445964	MS

Field ID: G5SE0086 Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2490915	EPA 8321B	Tolfenpyrad	0.0020	U	ug/L	P445964	
		Triclopyr	0.0040	U	ug/L	P445964	

Ref. Method and Comment:
DEP SOP: NU-094-1: The result may be biased high because of turbidity.
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 a high concentration of parameters in the spiked sample.
EPA 8321B: MS accuracy for some analytes could not be assessed due to high concentration of parameter in the spiked sample. Refer to the Lab Analysis Report for an explanation of QC Codes.

Quality Assurance Report
Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P445997

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: DEP SOP: NU-094-1
Batch ID: P446008

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P446013

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446251

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446255

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446061

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446200

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P446685

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446220

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446221

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P446070

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

Reference Method: EPA 8270E
Batch ID: P445967

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
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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P445967

Component	Result	Code	Units
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 8270E
Batch ID: P445968

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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P445968

Component	Result	Code	Units
Ethion	0.30	U	ng/L
Ethoprop	0.12	U	ng/L
Etridiazole	0.10	U	ng/L
Fenamiphos	0.45	U	ng/L
Fenbuconazole	0.50	U	ng/L
Fipronil	0.20	U	ng/L
Fipronil Desulfinyl	0.10	U	ng/L
Fipronil Sulfide	0.10	U	ng/L
Fipronil Sulfone	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.10	U	ng/L
Flumioxazin	3.0	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.25	U	ng/L
Fonofos	0.15	U	ng/L
Hexabromobenzene	6.0	U	ng/L
Hexazinone	0.50	U	ng/L
Imazalil	0.65	U	ng/L
Iprodione	0.50	U	ng/L
Loratadine	0.30	U	ng/L
Malathion	0.35	U	ng/L
Metalaxyl	0.50	U	ng/L
Metolachlor	0.75	U	ng/L
Metribuzin	0.40	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.25	U	ng/L
Myclobutanil	0.35	U	ng/L
Naled	2.5	U	ng/L
Napropamide	0.70	U	ng/L
Norflurazon	1.0	U	ng/L
Octinoxate	150	U	ng/L
Oxadiazon	0.35	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.20	U	ng/L
Parathion Ethyl	0.15	U	ng/L
Parathion Methyl	0.20	U	ng/L
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

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8270E
Batch ID: P445968

Component	Result	Code	Units
Pyriproxyfen	0.25	U	ng/L
Simazine	0.25	U	ng/L
Stirophos	0.40	U	ng/L
Sulfentrazone	1.4	U	ng/L
Tebuconazole	1.4	U	ng/L
Terbufos	0.20	U	ng/L
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 8276
Batch ID: P445967

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

Reference Method: EPA 8321B
Batch ID: P445964

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	4.0E-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	0.0020	U	ug/L
Mandestrobin	0.0020	U	ug/L
MCPP	0.0020	U	ug/L
Naproxen	0.0080	U	ug/L
Primidone	0.0040	U	ug/L
Pyraclostrobin	0.0020	U	ug/L
Silvex	0.0040	U	ug/L
Thiamethoxam	0.0020	U	ug/L
Tolfenpyrad	0.0020	U	ug/L

Quality Assurance Report
Method Blank Results

Reference Method: EPA 8321B
Batch ID: P445964

Component	Result	Code	Units
Triclopyr	0.0040	U	ug/L

Reference Method: EPA 8321B
Batch ID: P445966

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

Reference Method: EPA 8321B
Batch ID: P446073

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

Reference Method: SM 2320 B-2011
Batch ID: P446260

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

Reference Method: SM 2540 C-2015
Batch ID: P446586

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 C-2015
Batch ID: P446626

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015
Batch ID: P446190

Component	Result	Code	Units
TSS	2	U	mg/L

Quality Assurance Report
Method Blank Results

Reference Method: SM 2540 D-2015
Batch ID: P446455

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011
Batch ID: P446263

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014
Batch ID: P446510

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: P445997

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

Reference Method: DEP SOP: NU-094-1
Batch ID: P446008

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	99.3		P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P446013

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446251

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446255

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446061

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446200

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	97.6		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P446685

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446220

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446221

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P446070

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

Reference Method: EPA 8270E
Batch ID: P445967

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aldrin	47.6		P	30 - 96.0
Alpha-BHC	84.5		P	70 - 109
Alpha-Chlordane	65.6		P	45 - 107
Beta-BHC	97.6		P	64 - 138
Beta-Cyfluthrin	92.6		P	17 - 141
Bifenthrin	68.3		P	10 - 113
Chlorothalonil	70.2		P	26 - 180
Cis-Nonachlor	65.9		P	37 - 102
Cypermethrin	88.6		P	20 - 133
Dacthal	90.2		P	69 - 114
DDD-p,p'	66.0		P	42 - 105
DDE-p,p'	75.6		P	42 - 106
DDT-p,p'	65.3		P	42 - 107
Delta-BHC	93.7		P	67 - 144
Deltamethrin	95.4		P	15 - 149
Dichlobenil	58.8		P	46 - 117
Dicofol	65.5		P	34 - 114
Dieldrin	67.9		P	50 - 108
Endosulfan I	73.8		P	55 - 104
Endosulfan II	72.8		P	51 - 111
Endosulfan Sulfate	68.2		P	56 - 121
Endrin	80.5		P	10 - 106
Endrin Aldehyde	63.7		P	34 - 114
Endrin Ketone	76.9		P	63 - 177
Esfenvalerate	90.2		P	29 - 143
Ethalfluralin	64.1		P	46 - 96.0
Fenpropathrin	76.2		P	28 - 115
Gamma-BHC	80.9		P	65 - 121
Gamma-Chlordane	72.6		P	39 - 103
Heptachlor	62.0		P	39 - 94.0
Heptachlor Epoxide	77.8		P	54 - 104
Hexachlorobenzene	68.5		P	36 - 100
Kepone	95.2		P	10 - 225
Lambda-Cyhalothrin	66.9		P	10 - 135
Methoprene	72.6		P	10 - 109
Methoxychlor	83.6		P	52 - 112
MGK-264	67.5		P	44 - 117
Mirex	63.6		P	20 - 90.0
Oxychlordane	75.1		P	44 - 102
PCB-1016	72.9		P	45 - 107

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P445967

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PCB-1260	86.2		P	40 - 118
Permethrin	76.9		P	18 - 135
Phenothrin	53.9		P	10 - 102
Piperonyl Butoxide	87.5		P	28 - 156
Prallethrin	60.9		P	28 - 113
Tau-Fluvalinate	71.1		P	10 - 123
Tetramethrin	70.8		P	18 - 158
Trans-Nonachlor	73.1		P	39 - 104
Triclosan Methyl	81.7		P	54 - 108
Trifluralin	72.6		P	46 - 97.0

Reference Method: EPA 8270E
Batch ID: P445968

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	84.4		P	50 - 150
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	101		P	29 - 155
Acetochlor	99.8		P	64 - 124
Alachlor	104		P	61 - 118
Ametryn	94.9		P	47 - 158
Atrazine	95.4		P	68 - 121
Atrazine Desethyl	101		P	30 - 119
Avobenzone	135		P	35 - 187
Azinphos Methyl	187		P	30 - 194
Azoxystrobin	106		P	58 - 154
Bromacil	118		P	47 - 126
Butylate	50.0		P	31 - 83.0
Caffeine	120		P	10 - 180
Carbophenothion	113		P	59 - 133
Carfentrazone Ethyl	114		P	59 - 147
Chlorfenapyr	114		P	52 - 118
Chlorpyrifos Ethyl	90.8		P	59 - 119
Chlorpyrifos Methyl	122		P	65 - 123
Coumaphos	194		P	11 - 223
Cyanazine	116		P	63 - 250
Cyprodinil	125		P	52 - 143
Dechlorane 602	85.4		P	14 - 133
Dechlorane 603	104		P	18 - 191
Dechlorane Plus	99.5		P	23 - 154
Demeton	64.0		P	42 - 119
Diazinon	89.2		P	67 - 132
Difenoconazole	184		P	12 - 204
Dimethenamid	104		P	53 - 113
Dimethomorph	230		P	13 - 238
Disulfoton	85.9		P	56 - 126
Dithiopyr	112		P	58 - 127
EPTC	45.6		P	31 - 78.0
Ethion	93.3		P	24 - 127
Ethoprop	83.5		P	60 - 118
Etridiazole	59.6		P	32 - 91.0
Fenamiphos	108		P	54 - 129
Fenbuconazole	106		P	31 - 162

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P445968

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fipronil	125		P	56 - 131
Fipronil Desulfinyl	111		P	58 - 132
Fipronil Sulfide	122		P	51 - 123
Fipronil Sulfone	111		P	50 - 125
Fluazifop-P-butyl	110		P	52 - 132
Fludioxonil	114		P	52 - 129
Flumioxazin	203		P	34 - 250
Flutolanil	99.3		P	45 - 128
Fluxapyroxad	116		P	31 - 150
Fonofos	87.9		P	60 - 116
Hexabromobenzene	83.3		P	47 - 178
Hexazinone	106		P	59 - 120
Imazalil	111		P	39 - 134
Iprodione	130		P	39 - 243
Loratadine	172		P	10 - 240
Malathion	107		P	53 - 145
Metalaxyl	101		P	59 - 120
Metolachlor	102		P	64 - 122
Metribuzin	109		P	33 - 128
Mevinphos	97.1		P	48 - 119
Molinate	51.2		P	42 - 89.0
Myclobutanil	97.8		P	54 - 129
Naled	41.4		P	10 - 138
Napropamide	119		P	40 - 122
Norflurazon	113		P	49 - 132
Octinoxate	91.7		P	18 - 170
Oxadiazon	91.4		P	50 - 115
Oxybenzone	99.9		P	33 - 154
Oxyfluorfen	119		P	62 - 149
Parathion Ethyl	88.5		P	68 - 119
Parathion Methyl	138		P	68 - 147
PBB-153	93.8		P	23 - 193
PBDE-47	85.7		P	31 - 139
PBDE-99	88.6		P	24 - 138
Pendimethalin	128		P	59 - 158
Pentabromotoluene	85.3		P	54 - 152
Phenytoin	76.1		P	10 - 151
Phorate	74.5		P	44 - 124
Prodiamine	101		P	10 - 136
Prometon	113		P	45 - 131
Prometryn	101		P	52 - 140
Pronamide	112		P	70 - 129
Propanil	118		P	54 - 144
Propargite	125		P	10 - 191
Propiconazole	114		P	49 - 128
Pyraflufen Ethyl	127		P	46 - 141
Pyridaben	139		P	29 - 198
Pyriproxyfen	124		P	33 - 221
Simazine	106		P	62 - 119
Stirophos	121		P	13 - 144
Sulfentrazone	120		P	12 - 152
Tebuconazole	101		P	10 - 135

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P445968

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Terbufos	87.8		P	67 - 136
Terbuthylazine	88.4		P	66 - 113
Tetradecachloro-m-terphenyl	81.4		P	10 - 260
Thiobencarb	114		P	51 - 125
Tri-o-cresyl Phosphate	102		P	32 - 151
Triadimefon	104		P	57 - 118
Tris(1-chloro-2-propyl) phosphate (TCPP)	129		P	51 - 154
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	120		P	59 - 147
Tris(2-chloroethyl) phosphate (TCEP)	158		F	65 - 156

Reference Method: EPA 8276
Batch ID: P445967

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlordane	90.4		P	52 - 117
Toxaphene	86.4		P	44 - 125

Reference Method: EPA 8321B
Batch ID: P445964

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	119		P	40 - 150
2,4,5-T	97.1		P	40 - 150
Acetaminophen	87.9		P	30 - 150
Acetamiprid	82.2		P	40 - 150
Afidopyropen	100		P	30 - 150
Bentazon	114		P	30 - 150
Benzovindiflupyr	82.8		P	40 - 150
Carbamazepine	116		P	40 - 150
Clothianidin	113		P	40 - 150
Dinotefuran	103		P	40 - 150
Diuron	119		P	40 - 150
Fenuron	106		P	40 - 150
Fluridone	92.2		P	40 - 150
Hydrocodone	109		P	40 - 150
Ibuprofen	88.3		P	40 - 150
Imazapyr	96.3		P	40 - 150
Imidacloprid	114		P	40 - 150
Linuron	83.6		P	40 - 150
Mandestrobin	109		P	40 - 150
MCPP	115		P	40 - 150
Naproxen	72.4		P	40 - 150
Primidone	121		P	40 - 150
Pyraclostrobin	82.7		P	40 - 150
Silvex	104		P	40 - 150
Thiamethoxam	114		P	40 - 150
Tolfenpyrad	60.1		P	30 - 150
Triclopyr	99.8		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P445966

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acesulfame K	104		P	40 - 150
AMPA	83.4		P	40 - 160
Endothall	63.1		P	40 - 160
Glufosinate	79.8		P	40 - 160
Glyphosate	79.1		P	40 - 160
Sucralose	95.8		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P446073

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
3-Hydroxycarbofuran	90.2		P	40 - 150
Aldicarb	76.1		P	30 - 150
Aldicarb Sulfone	85.8		P	40 - 150
Aldicarb Sulfoxide	86.4		P	40 - 150
Carbaryl	59.0		P	40 - 150
Carbofuran	63.7		P	40 - 150
Methiocarb	76.8		P	40 - 150
Methomyl	87.8		P	40 - 150
Oxamyl	85.4		P	40 - 150
Propoxur	67.5		P	40 - 150

Reference Method: SM 2320 B-2011
Batch ID: P446260

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	99.1		P	93 - 103

Reference Method: SM 2540 C-2015
Batch ID: P446586

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

Reference Method: SM 2540 C-2015
Batch ID: P446626

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

Reference Method: SM 2540 D-2015
Batch ID: P446190

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

Reference Method: SM 2540 D-2015
Batch ID: P446455

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P446263

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	98.2		P	95 - 106

Reference Method: SM 5310 B-2014
Batch ID: P446510

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

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446251

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490755	Chloride	108		P	90 - 110
2490945	Chloride	107		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446255

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490755	Sulfate	109		P	90 - 110
2490945	Sulfate	107		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446061

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490884	Ammonia-N	97.0	98.0	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446200

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490977	Ammonia-N	97.4	98.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P446685

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490888	Kjeldahl Nitrogen	103	97.8	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446220

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490553	NO2NO3-N	99.5	100	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446221

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490886	NO2NO3-N	95.8	96.8	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P446070

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490892	Total-P	102	103	P/P	90 - 110

Reference Method: EPA 8270E
Batch ID: P445967

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2491658	Aldrin	63.5	63.4	P/P	24 - 81.0
2491658	Alpha-BHC	91.0	90.2	P/P	65 - 110

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P445967

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2491658	Alpha-Chlordane	69.6	66.4	P/P	43 - 119
2491658	Beta-BHC	116	102	P/P	54 - 165
2491658	Beta-Cyfluthrin	107	114	P/P	27 - 165
2491658	Bifenthrin	87.3	96.5	P/P	17 - 117
2491658	Chlorothalonil	51.0	84.8	P/P	10 - 255
2491658	Cis-Nonachlor	69.6	67.3	P/P	34 - 98.0
2491658	Cypermethrin	99.6	107	P/P	25 - 143
2491658	Dacthal	94.0	92.4	P/P	55 - 139
2491658	DDD-p,p'	68.9	66.8	P/P	30 - 109
2491658	DDE-p,p'	82.6	78.5	P/P	35 - 106
2491658	DDT-p,p'	69.1	65.6	P/P	41 - 101
2491658	Delta-BHC	108	109	P/P	58 - 165
2491658	Deltamethrin	115	142	P/P	10 - 194
2491658	Dichlobenil	51.6	49.6	P/P	22 - 114
2491658	Dicofol	67.8	65.6	P/P	17 - 133
2491658	Dieldrin	71.7	68.9	P/P	45 - 129
2491658	Endosulfan I	79.3	81.2	P/P	49 - 104
2491658	Endosulfan II	74.6	71.6	P/P	37 - 117
2491658	Endosulfan Sulfate	73.0	79.2	P/P	38 - 128
2491658	Endrin	85.6	82.7	P/P	35 - 116
2491658	Endrin Aldehyde	60.1	63.3	P/P	19 - 108
2491658	Endrin Ketone	76.6	69.9	P/P	44 - 134
2491658	Esfenvalerate	115	132	P/P	27 - 176
2491658	Ethalfluralin	67.2	74.6	P/P	49 - 100
2491658	Fenpropathrin	83.3	82.7	P/P	34 - 117
2491658	Gamma-BHC	83.9	83.5	P/P	59 - 129
2491658	Gamma-Chlordane	79.6	76.5	P/P	33 - 107
2491658	Heptachlor	65.5	66.9	P/P	37 - 94.0
2491658	Heptachlor Epoxide	81.1	79.2	P/P	38 - 118
2491658	Hexachlorobenzene	74.1	70.4	P/P	35 - 97.0
2491658	Kepone	87.7	97.6	P/P	10 - 221
2491658	Lambda-Cyhalothrin	82.1	80.4	P/P	23 - 190
2491658	Methoprene	84.1	80.7	P/P	21 - 109
2491658	Methoxychlor	92.9	100	P/P	46 - 118
2491658	MGK-264	77.1	80.9	P/P	39 - 122
2491658	Mirex	76.6	73.1	P/P	25 - 90.0
2491658	Oxychlordane	76.1	81.8	P/P	42 - 100
2491658	Permethrin	87.4	101	P/P	33 - 181
2491658	Phenothrin	78.0	80.9	P/P	12 - 125
2491658	Piperonyl Butoxide	88.8	91.2	P/P	10 - 178
2491658	Prallethrin	68.3	75.7	P/P	24 - 122
2491658	Tau-Fluvalinate	90.4	105	P/P	13 - 151
2491658	Tetramethrin	89.9	95.8	P/P	16 - 172
2491658	Trans-Nonachlor	80.8	78.3	P/P	39 - 100
2491658	Triclosan Methyl	88.6	84.0	P/P	43 - 110
2491658	Trifluralin	77.3	75.2	P/P	45 - 94.0
2491884	PCB-1016	71.0	66.1	P/P	45 - 107
2491884	PCB-1260	82.5	79.0	P/P	40 - 112

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P445968

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2492653	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	87.0	90.3	P/P	50 - 150
2492653	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	95.6	83.4	P/P	29 - 155
2492653	Acetochlor	96.1	91.0	P/P	60 - 124
2492653	Alachlor	95.1	90.0	P/P	54 - 122
2492653	Ametryn	90.9	95.5	P/P	51 - 208
2492653	Atrazine Desethyl	114	127	P/F	13 - 124
2492653	Avobenzone	148	194	P/F	35 - 187
2492653	Azinphos Methyl	151	122	P/P	43 - 276
2492653	Azoxystrobin	95.8	74.5	P/P	52 - 300
2492653	Bromacil	91.1	89.7	P/P	44 - 134
2492653	Butylate	49.5	67.0	P/P	23 - 82.0
2492653	Caffeine	134	136	P/P	10 - 277
2492653	Carbophenothion	105	107	P/P	47 - 135
2492653	Carfentrazone Ethyl	104	86.1	P/P	46 - 147
2492653	Chlorfenapyr	75.8	75.4	P/P	43 - 114
2492653	Chlorpyrifos Ethyl	79.6	96.7	P/P	47 - 124
2492653	Chlorpyrifos Methyl	104	105	P/P	60 - 135
2492653	Coumaphos	129	213	P/P	10 - 222
2492653	Cyanazine	123	115	P/P	10 - 257
2492653	Cyprodinil	91.3	93.7	P/P	42 - 148
2492653	Dechlorane 602	83.1	42.3	P/P	14 - 133
2492653	Dechlorane 603	87.3	70.8	P/P	18 - 191
2492653	Dechlorane Plus	67.9	51.5	P/P	23 - 154
2492653	Demeton	59.4	70.9	P/P	41 - 137
2492653	Diazinon	109	126	P/P	64 - 139
2492653	Difenoconazole	116	78.1	P/P	46 - 254
2492653	Dimethenamid	86.8	77.4	P/P	47 - 117
2492653	Dimethomorph	201	131	P/P	14 - 255
2492653	Disulfoton	98.7	115	P/P	52 - 130
2492653	Dithiopyr	89.4	72.2	P/P	40 - 121
2492653	EPTC	43.8	55.3	P/P	19 - 78.0
2492653	Ethion	73.2	63.0	P/P	12 - 124
2492653	Ethoprop	98.4	93.4	P/P	68 - 144
2492653	Etridiazole	55.6	67.1	P/P	26 - 96.0
2492653	Fenamiphos	85.8	82.9	P/P	41 - 129
2492653	Fenbuconazole	61.3	48.6	P/P	26 - 169
2492653	Fipronil	106	106	P/P	46 - 145
2492653	Fipronil Desulfinyl	92.2	75.3	P/P	47 - 136
2492653	Fipronil Sulfide	88.1	84.4	P/P	41 - 127
2492653	Fipronil Sulfone	88.9	72.3	P/P	35 - 133
2492653	Fluazifop-P-butyl	102	102	P/P	46 - 131
2492653	Fludioxonil	83.9	71.1	P/P	51 - 124
2492653	Flumioxazin	95.9	65.6	P/P	10 - 289
2492653	Flutolanil	71.7	53.3	P/P	34 - 130
2492653	Fluxapyroxad	80.7	58.7	P/P	10 - 197
2492653	Fonofos	77.0	90.1	P/P	42 - 131
2492653	Hexabromobenzene	81.8	80.1	P/P	47 - 178
2492653	Hexazinone	94.3	83.8	P/P	64 - 125
2492653	Imazalil	99.0	81.8	P/P	37 - 252
2492653	Iprodione	71.9	64.2	P/P	34 - 265
2492653	Loratadine	211	128	P/P	20 - 231
2492653	Malathion	92.2	20.0	P/F	34 - 164

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8270E
Batch ID: P445968

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2492653	Metalaxyl	90.0	102	P/P	49 - 125
2492653	Metolachlor	108	109	P/P	54 - 125
2492653	Metribuzin	114	103	P/P	51 - 139
2492653	Mevinphos	87.1	98.9	P/P	46 - 130
2492653	Molinate	52.8	60.8	P/P	39 - 93.0
2492653	Myclobutanil	78.9	66.7	P/P	50 - 130
2492653	Naled	36.0	38.2	P/P	10 - 150
2492653	Napropamide	102	33.5	P/P	10 - 109
2492653	Norflurazon	92.1	80.0	P/P	36 - 134
2492653	Octinoxate	94.9	139	P/P	18 - 170
2492653	Oxadiazon	65.2	57.4	P/P	43 - 112
2492653	Oxybenzone	108	142	P/P	33 - 154
2492653	Oxyfluorfen	116	124	P/P	62 - 154
2492653	Parathion Ethyl	106	80.5	P/P	65 - 120
2492653	Parathion Methyl	138	134	P/P	77 - 185
2492653	PBB-153	73.0	54.2	P/P	23 - 193
2492653	PBDE-47	87.0	88.7	P/P	31 - 139
2492653	PBDE-99	85.5	65.5	P/P	24 - 138
2492653	Pendimethalin	153	155	F/F	50 - 146
2492653	Pentabromotoluene	83.9	114	P/P	54 - 152
2492653	Phenytoin	42.7	32.6	P/P	10 - 157
2492653	Phorate	63.3	80.0	P/P	54 - 161
2492653	Prodiamine	118	105	P/P	29 - 160
2492653	Prometon	92.9	104	P/P	38 - 145
2492653	Prometryn	126	97.3	P/P	32 - 151
2492653	Pronamide	94.9	104	P/P	61 - 140
2492653	Propanil	116	112	P/P	50 - 147
2492653	Propargite	100	138	P/P	10 - 190
2492653	Propiconazole	95.5	93.3	P/P	30 - 146
2492653	Pyraflufen Ethyl	113	73.9	P/P	30 - 147
2492653	Pyridaben	142	123	P/P	15 - 195
2492653	Pyriproxyfen	79.8	49.8	P/P	31 - 218
2492653	Simazine	98.0	77.7	P/P	45 - 139
2492653	Stirophos	43.6	27.5	P/P	10 - 134
2492653	Sulfentrazone	54.6	54.0	P/P	53 - 186
2492653	Tebuconazole	82.7	44.2	P/P	10 - 133
2492653	Terbufos	78.6	98.2	P/P	65 - 151
2492653	Terbuthylazine	71.4	73.1	P/P	62 - 117
2492653	Tetradecachloro-m-terphenyl	76.3	121	P/P	10 - 260
2492653	Thiobencarb	88.5	32.9	P/F	48 - 122
2492653	Tri-o-cresyl Phosphate	101	141	P/P	32 - 151
2492653	Triadimefon	92.5	98.4	P/P	46 - 124
2492653	Tris(1-chloro-2-propyl) phosphate (TCPP)	109	165	P/F	51 - 154
2492653	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	112	156	P/F	59 - 147
2492653	Tris(2-chloroethyl) phosphate (TCEP)	172	276	F/F	65 - 156

Reference Method: EPA 8276
Batch ID: P445967

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2491884	Chlordane	80.1	83.0	P/P	43 - 123
2491884	Toxaphene	94.8	102	P/P	27 - 156

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P445964

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490915	2,4-D	139	113	P/P	40 - 150
2490915	2,4,5-T	99.3	80.1	P/P	40 - 150
2490915	Acetaminophen	142	112	P/P	30 - 150
2490915	Acetamiprid	84.6	77.2	P/P	40 - 150
2490915	Afidopyropen	68.6	72.2	P/P	30 - 150
2490915	Benzovindiflupyr	77.8	71.3	P/P	40 - 150
2490915	Carbamazepine	90.6	76.9	P/P	40 - 150
2490915	Clothianidin	111	126	P/P	40 - 150
2490915	Dinotefuran	143	108	P/P	40 - 150
2490915	Diuron	79.6	59.5	P/P	40 - 150
2490915	Fenuron	80.2	85.7	P/P	40 - 150
2490915	Fluridone	68.7	48.4	P/P	40 - 150
2490915	Hydrocodone	107	98.7	P/P	40 - 150
2490915	Ibuprofen	96.0	77.9	P/P	40 - 150
2490915	Imidacloprid	185	149	F/P	40 - 150
2490915	Linuron	82.5	66.0	P/P	40 - 150
2490915	Mandestrobin	86.0	74.8	P/P	40 - 150
2490915	MCPP	101	103	P/P	40 - 150
2490915	Naproxen	123	111	P/P	40 - 150
2490915	Primidone	107	120	P/P	40 - 150
2490915	Pyraclostrobin	77.3	58.9	P/P	40 - 150
2490915	Silvex	92.7	101	P/P	40 - 150
2490915	Thiamethoxam	137	150	P/F	40 - 150
2490915	Tolfenpyrad	63.3	48.0	P/P	30 - 150
2490915	Triclopyr	97.0	87.0	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P445966

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490914	Acesulfame K	89.9	84.8	P/P	40 - 150
2490914	Endothall	91.7	92.7	P/P	40 - 160
2490914	Glufosinate	60.5	72.7	P/P	40 - 160
2490914	Sucralose	49.3	64.0	P/P	40 - 150

Reference Method: EPA 8321B
Batch ID: P446073

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490634	3-Hydroxycarbofuran	105	116	P/P	40 - 150
2490634	Aldicarb	83.1	88.2	P/P	30 - 150
2490634	Aldicarb Sulfone	107	111	P/P	40 - 150
2490634	Aldicarb Sulfoxide	37.3	34.9	F/F	40 - 150
2490634	Carbaryl	75.0	73.4	P/P	40 - 150
2490634	Carbofuran	66.4	57.7	P/P	40 - 150
2490634	Methiocarb	57.7	75.0	P/P	40 - 150
2490634	Methomyl	86.2	87.9	P/P	40 - 150
2490634	Oxamyl	90.5	93.1	P/P	40 - 150
2490634	Propoxur	60.1	50.0	P/P	40 - 150

Quality Assurance Report
Matrix Spike Accuracy

Reference Method: SM 4500-F- C-2011
Batch ID: P446263

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490492	Fluoride	101	101	P/P	95 - 107

Reference Method: SM 5310 B-2014
Batch ID: P446510

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2490864	Organic Carbon	98.4	102	P/P	85 - 115

Quality Assurance Report
Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P445997

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490755	Color (true)	2.32	Sample	P	0 - 20

Reference Method: DEP SOP: NU-094-1
Batch ID: P446008

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490885	Color (true)	9.92	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P446013

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490755	Turbidity	4.44	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446251

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490755	Chloride	2.06	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P446255

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490755	Sulfate	3.41	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446061

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490884	Ammonia-N	0.718	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P446200

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490977	Ammonia-N	0.681	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P446685

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490888	Kjeldahl Nitrogen	2.96	Spike	P	0 - 20

Quality Assurance Report
Precision

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446220

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490553	NO2NO3-N	1.00	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P446221

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490886	NO2NO3-N	0.952	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P446070

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490892	Total-P	1.04	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P445967

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2491658	Aldrin	0.0197	Spike	P	0 - 41
2491658	Alpha-BHC	0.819	Spike	P	0 - 25
2491658	Alpha-Chlordane	4.77	Spike	P	0 - 32
2491658	Beta-BHC	13.0	Spike	P	0 - 33
2491658	Beta-Cyfluthrin	6.25	Spike	P	0 - 43
2491658	Bifenthrin	9.95	Spike	P	0 - 52
2491658	Chlorothalonil	49.8	Spike	P	0 - 82
2491658	Cis-Nonachlor	3.42	Spike	P	0 - 33
2491658	Cypermethrin	7.04	Spike	P	0 - 51
2491658	Dacthal	1.74	Spike	P	0 - 27
2491658	DDD-p,p'	3.15	Spike	P	0 - 39
2491658	DDE-p,p'	5.00	Spike	P	0 - 31
2491658	DDT-p,p'	5.29	Spike	P	0 - 29
2491658	Delta-BHC	1.10	Spike	P	0 - 35
2491658	Deltamethrin	20.6	Spike	P	0 - 100
2491658	Dichlobenil	4.11	Spike	P	0 - 40
2491658	Dicofol	3.29	Spike	P	0 - 37
2491658	Dieldrin	3.97	Spike	P	0 - 27
2491658	Endosulfan I	2.36	Spike	P	0 - 23
2491658	Endosulfan II	4.15	Spike	P	0 - 34
2491658	Endosulfan Sulfate	8.17	Spike	P	0 - 36
2491658	Endrin	3.38	Spike	P	0 - 45
2491658	Endrin Aldehyde	5.16	Spike	P	0 - 76
2491658	Endrin Ketone	9.16	Spike	P	0 - 43
2491658	Esfenvalerate	13.8	Spike	P	0 - 51
2491658	Ethalfluralin	10.4	Spike	P	0 - 22
2491658	Fenpropathrin	0.731	Spike	P	0 - 49
2491658	Gamma-BHC	0.472	Spike	P	0 - 28
2491658	Gamma-Chlordane	3.91	Spike	P	0 - 40
2491658	Heptachlor	2.11	Spike	P	0 - 29

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P445967

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2491658	Heptachlor Epoxide	2.36	Spike	P	0 - 33
2491658	Hexachlorobenzene	5.02	Spike	P	0 - 36
2491658	Kepone	10.6	Spike	P	0 - 85
2491658	Lambda-Cyhalothrin	2.10	Spike	P	0 - 55
2491658	Methoprene	4.05	Spike	P	0 - 53
2491658	Methoxychlor	7.72	Spike	P	0 - 50
2491658	MGK-264	4.85	Spike	P	0 - 43
2491658	Mirex	4.66	Spike	P	0 - 40
2491658	Oxychlordane	7.22	Spike	P	0 - 31
2491658	Permethrin	14.4	Spike	P	0 - 50
2491658	Phenothrin	3.73	Spike	P	0 - 58
2491658	Piperonyl Butoxide	2.66	Spike	P	0 - 100
2491658	Prallethrin	10.2	Spike	P	0 - 39
2491658	Tau-Fluvalinate	14.7	Spike	P	0 - 54
2491658	Tetramethrin	6.33	Spike	P	0 - 51
2491658	Trans-Nonachlor	3.06	Spike	P	0 - 39
2491658	Triclosan Methyl	5.33	Spike	P	0 - 31
2491658	Trifluralin	2.82	Spike	P	0 - 22
2491884	PCB-1016	7.24	Spike	P	0 - 25
2491884	PCB-1260	4.32	Spike	P	0 - 30

Reference Method: EPA 8270E
Batch ID: P445968

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2492653	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	3.81	Spike	P	0 - 30
2492653	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	13.5	Spike	P	0 - 35
2492653	Acetochlor	5.46	Spike	P	0 - 28
2492653	Alachlor	5.55	Spike	P	0 - 30
2492653	Ametryn	3.12	Spike	P	0 - 32
2492653	Atrazine	6.25	Spike	P	0 - 33
2492653	Atrazine Desethyl	10.7	Spike	P	0 - 36
2492653	Avobenzone	27.0	Spike	P	0 - 35
2492653	Azinphos Methyl	21.4	Spike	P	0 - 62
2492653	Azoxystrobin	25.0	Spike	P	0 - 39
2492653	Bromacil	1.59	Spike	P	0 - 33
2492653	Butylate	30.0	Spike	P	0 - 51
2492653	Caffeine	1.18	Spike	P	0 - 100
2492653	Carbophenothion	2.59	Spike	P	0 - 34
2492653	Carfentrazone Ethyl	18.7	Spike	P	0 - 33
2492653	Chlorfenapyr	0.552	Spike	P	0 - 28
2492653	Chlorpyrifos Ethyl	19.4	Spike	P	0 - 31
2492653	Chlorpyrifos Methyl	0.804	Spike	P	0 - 27
2492653	Coumaphos	48.7	Spike	P	0 - 62
2492653	Cyanazine	6.75	Spike	P	0 - 48
2492653	Cyprodinil	2.57	Spike	P	0 - 29
2492653	Dechlorane 602	65.0	Spike	F	0 - 60
2492653	Dechlorane 603	20.8	Spike	P	0 - 40
2492653	Dechlorane Plus	27.6	Spike	P	0 - 38
2492653	Demeton	17.6	Spike	P	0 - 33

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P445968

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2492653	Diazinon	14.8	Spike	P	0 - 32
2492653	Difenoconazole	38.9	Spike	P	0 - 71
2492653	Dimethenamid	11.5	Spike	P	0 - 60
2492653	Dimethomorph	42.1	Spike	P	0 - 61
2492653	Disulfoton	15.2	Spike	P	0 - 30
2492653	Dithiopyr	21.2	Spike	P	0 - 28
2492653	EPTC	23.1	Spike	P	0 - 56
2492653	Ethion	14.9	Spike	P	0 - 79
2492653	Ethoprop	5.23	Spike	P	0 - 31
2492653	Etridiazole	18.6	Spike	P	0 - 43
2492653	Fenamiphos	3.49	Spike	P	0 - 43
2492653	Fenbuconazole	23.2	Spike	P	0 - 79
2492653	Fipronil	0.722	Spike	P	0 - 46
2492653	Fipronil Desulfinyl	20.2	Spike	P	0 - 36
2492653	Fipronil Sulfide	4.26	Spike	P	0 - 34
2492653	Fipronil Sulfone	20.6	Spike	P	0 - 47
2492653	Fluazifop-P-butyl	0.635	Spike	P	0 - 38
2492653	Fludioxonil	16.5	Spike	P	0 - 29
2492653	Flumioxazin	37.4	Spike	P	0 - 63
2492653	Flutolanil	29.5	Spike	P	0 - 36
2492653	Fluxapyroxad	31.6	Spike	P	0 - 65
2492653	Fonofos	15.7	Spike	P	0 - 35
2492653	Hexabromobenzene	2.17	Spike	P	0 - 41
2492653	Hexazinone	11.8	Spike	P	0 - 31
2492653	Imazalil	19.1	Spike	P	0 - 52
2492653	Iprodione	11.4	Spike	P	0 - 49
2492653	Loratadine	48.9	Spike	P	0 - 59
2492653	Malathion	129	Spike	F	0 - 77
2492653	Metalaxyl	12.9	Spike	P	0 - 76
2492653	Metolachlor	0.968	Spike	P	0 - 29
2492653	Metribuzin	9.74	Spike	P	0 - 51
2492653	Mevinphos	12.7	Spike	P	0 - 31
2492653	Molinate	14.1	Spike	P	0 - 39
2492653	Myclobutanil	16.7	Spike	P	0 - 34
2492653	Naled	5.95	Spike	P	0 - 37
2492653	Napropamide	101	Spike	F	0 - 100
2492653	Norflurazon	14.0	Spike	P	0 - 54
2492653	Octinoxate	38.0	Spike	F	0 - 35
2492653	Oxadiazon	10.1	Spike	P	0 - 34
2492653	Oxybenzone	27.4	Spike	P	0 - 35
2492653	Oxyfluorfen	5.88	Spike	P	0 - 28
2492653	Parathion Ethyl	27.2	Spike	P	0 - 31
2492653	Parathion Methyl	3.30	Spike	P	0 - 29
2492653	PBB-153	29.5	Spike	P	0 - 49
2492653	PBDE-47	1.84	Spike	P	0 - 36
2492653	PBDE-99	26.5	Spike	P	0 - 46
2492653	Pendimethalin	1.38	Spike	P	0 - 31
2492653	Pentabromotoluene	30.1	Spike	F	0 - 16
2492653	Phenytoin	26.7	Spike	P	0 - 100
2492653	Phorate	23.4	Spike	P	0 - 36
2492653	Prodiamine	11.4	Spike	P	0 - 68

Quality Assurance Report
Precision

Reference Method: EPA 8270E
Batch ID: P445968

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2492653	Prometon	11.0	Spike	P	0 - 35
2492653	Prometryn	25.7	Spike	P	0 - 33
2492653	Pronamide	9.33	Spike	P	0 - 24
2492653	Propanil	3.07	Spike	P	0 - 28
2492653	Propargite	31.9	Spike	P	0 - 53
2492653	Propiconazole	2.33	Spike	P	0 - 44
2492653	Pyraflufen Ethyl	42.0	Spike	P	0 - 61
2492653	Pyridaben	14.0	Spike	P	0 - 43
2492653	Pyriproxyfen	41.0	Spike	P	0 - 82
2492653	Simazine	23.1	Spike	P	0 - 29
2492653	Stirophos	45.3	Spike	P	0 - 100
2492653	Sulfentrazone	1.06	Spike	P	0 - 64
2492653	Tebuconazole	60.8	Spike	P	0 - 76
2492653	Terbufos	22.2	Spike	P	0 - 29
2492653	Terbuthylazine	2.30	Spike	P	0 - 28
2492653	Tetradecachloro-m-terphenyl	45.7	Spike	F	0 - 42
2492653	Thiobencarb	91.6	Spike	F	0 - 26
2492653	Tri-o-cresyl Phosphate	33.0	Spike	F	0 - 24
2492653	Triadimefon	6.11	Spike	P	0 - 40
2492653	Tris(1-chloro-2-propyl) phosphate (TCPP)	33.6	Spike	F	0 - 30
2492653	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	30.3	Spike	F	0 - 22
2492653	Tris(2-chloroethyl) phosphate (TCEP)	46.5	Spike	F	0 - 15

Reference Method: EPA 8276
Batch ID: P445967

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2491884	Chlordane	3.62	Spike	P	0 - 28
2491884	Toxaphene	7.18	Spike	P	0 - 27

Reference Method: EPA 8321B
Batch ID: P445964

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490915	2,4-D	18.4	Spike	P	0 - 30
2490915	2,4,5-T	21.4	Spike	P	0 - 30
2490915	Acetaminophen	23.8	Spike	P	0 - 30
2490915	Acetamiprid	9.08	Spike	P	0 - 30
2490915	Afidopyropen	5.16	Spike	P	0 - 30
2490915	Bentazon	8.61	Spike	P	0 - 30
2490915	Benzovindiflupyr	8.71	Spike	P	0 - 30
2490915	Carbamazepine	15.5	Spike	P	0 - 30
2490915	Clothianidin	13.0	Spike	P	0 - 30
2490915	Dinotefuran	28.1	Spike	P	0 - 30
2490915	Diuron	26.6	Spike	P	0 - 30
2490915	Fenuron	6.63	Spike	P	0 - 30
2490915	Fluridone	26.7	Spike	P	0 - 30
2490915	Hydrocodone	8.19	Spike	P	0 - 30
2490915	Ibuprofen	20.8	Spike	P	0 - 30

Quality Assurance Report
Precision

Reference Method: EPA 8321B
Batch ID: P445964

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490915	Imazapyr	1.81	Spike	P	0 - 30
2490915	Imidacloprid	21.3	Spike	P	0 - 30
2490915	Linuron	22.2	Spike	P	0 - 30
2490915	Mandestrobin	13.9	Spike	P	0 - 30
2490915	MCPP	2.17	Spike	P	0 - 30
2490915	Naproxen	9.89	Spike	P	0 - 30
2490915	Primidone	9.92	Spike	P	0 - 30
2490915	Pyraclostrobin	27.1	Spike	P	0 - 30
2490915	Silvex	8.20	Spike	P	0 - 30
2490915	Thiamethoxam	9.52	Spike	P	0 - 30
2490915	Tolfenpyrad	27.4	Spike	P	0 - 30
2490915	Triclopyr	10.8	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P445966

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490914	Acesulfame K	5.35	Spike	P	0 - 30
2490914	AMPA	2.22	Spike	P	0 - 30
2490914	Endothall	1.02	Spike	P	0 - 30
2490914	Glufosinate	18.4	Spike	P	0 - 30
2490914	Glyphosate	9.57	Spike	P	0 - 30
2490914	Sucralose	21.2	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P446073

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490634	3-Hydroxycarbofuran	9.43	Spike	P	0 - 30
2490634	Aldicarb	5.94	Spike	P	0 - 30
2490634	Aldicarb Sulfone	3.25	Spike	P	0 - 30
2490634	Aldicarb Sulfoxide	6.62	Spike	P	0 - 30
2490634	Carbaryl	2.19	Spike	P	0 - 30
2490634	Carbofuran	14.1	Spike	P	0 - 30
2490634	Methiocarb	26.1	Spike	P	0 - 30
2490634	Methomyl	2.00	Spike	P	0 - 30
2490634	Oxamyl	2.79	Spike	P	0 - 30
2490634	Propoxur	18.4	Spike	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P446260

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490492	Total Alkalinity	1.71	Sample	P	0 - 4.1

Quality Assurance Report
Precision

Reference Method: SM 2540 C-2015
Batch ID: P446586

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2491161	TDS	7.00	Sample	P	0 - 10

Reference Method: SM 2540 C-2015
Batch ID: P446626

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490885	TDS	4.41	Sample	P	0 - 10

Reference Method: SM 2540 D-2015
Batch ID: P446455

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2491161	TSS	7.41	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P446263

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490492	Fluoride	0.0	Spike	P	0 - 1.7

Reference Method: SM 5310 B-2014
Batch ID: P446510

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2490864	Organic Carbon	2.40	Spike	P	0 - 15

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

Quality Assurance Report
Surrogates

Lab Sample ID: 2490913
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Carbaryl-d7	56.8	P	30 - 160

Lab Sample ID: 2490914
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	131	P	30 - 160
EPA 8321B	Acetaminophen-d4	123	P	30 - 160
EPA 8321B	Carbamazepine-d10	68.8	P	30 - 160
EPA 8321B	Diuron-d6	49.8	P	30 - 160
EPA 8321B	Endothall-d6	77.4	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	94.8	P	30 - 160
EPA 8321B	Ibuprofen-d3	62.5	P	30 - 160
EPA 8321B	Primidone-d5	98.4	P	30 - 160
EPA 8321B	Sucralose-d6	73.7	P	30 - 160

Lab Sample ID: 2490915
Field Sample ID: G5SE0086

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	138	P	30 - 160
EPA 8321B	Acetaminophen-d4	133	P	30 - 160
EPA 8321B	Carbamazepine-d10	99.0	P	30 - 160
EPA 8321B	Diuron-d6	75.5	P	30 - 160
EPA 8321B	Endothall-d6	73.8	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	96.8	P	30 - 160
EPA 8321B	Ibuprofen-d3	70.3	P	30 - 160
EPA 8321B	Primidone-d5	117	P	30 - 160
EPA 8321B	Sucralose-d6	82.1	P	30 - 160

Lab Sample ID: 2490916
Field Sample ID: G5SE0115

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	137	P	30 - 160
EPA 8321B	Acetaminophen-d4	127	P	30 - 160
EPA 8321B	Carbamazepine-d10	77.5	P	30 - 160
EPA 8321B	Diuron-d6	59.1	P	30 - 160
EPA 8321B	Endothall-d6	76.0	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	99.0	P	30 - 160
EPA 8321B	Ibuprofen-d3	63.3	P	30 - 160
EPA 8321B	Primidone-d5	121	P	30 - 160
EPA 8321B	Sucralose-d6	64.8	P	30 - 160

Lab Sample ID: 2490917
Field Sample ID: G5SE0143

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	128	P	30 - 160
EPA 8321B	Acetaminophen-d4	116	P	30 - 160
EPA 8321B	Carbamazepine-d10	95.4	P	30 - 160
EPA 8321B	Diuron-d6	63.3	P	30 - 160

Quality Assurance Report
Surrogates

Lab Sample ID: 2490917
Field Sample ID: G5SE0143

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	Endothall-d6	69.9	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	96.2	P	30 - 160
EPA 8321B	Ibuprofen-d3	57.4	P	30 - 160
EPA 8321B	Primidone-d5	84.4	P	30 - 160
EPA 8321B	Sucralose-d6	59.4	P	30 - 160

Lab Sample ID: 2490918
Field Sample ID: G5SE0144

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	134	P	30 - 160
EPA 8321B	Acetaminophen-d4	120	P	30 - 160
EPA 8321B	Carbamazepine-d10	118	P	30 - 160
EPA 8321B	Diuron-d6	87.0	P	30 - 160
EPA 8321B	Endothall-d6	69.7	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	97.8	P	30 - 160
EPA 8321B	Ibuprofen-d3	84.1	P	30 - 160
EPA 8321B	Primidone-d5	136	P	30 - 160
EPA 8321B	Sucralose-d6	56.5	P	30 - 160

Lab Sample ID: 2490919
Field Sample ID: G5SE0141

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	134	P	30 - 160
EPA 8321B	Acetaminophen-d4	125	P	30 - 160
EPA 8321B	Carbamazepine-d10	116	P	30 - 160
EPA 8321B	Diuron-d6	85.4	P	30 - 160
EPA 8321B	Endothall-d6	73.3	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	97.5	P	30 - 160
EPA 8321B	Ibuprofen-d3	69.2	P	30 - 160
EPA 8321B	Primidone-d5	124	P	30 - 160
EPA 8321B	Sucralose-d6	53.4	P	30 - 160

Lab Sample ID: 2490920
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Decachlorobiphenyl	73.3	P	37 - 129
EPA 8270E	Decachlorobiphenyl	72.5	P	26 - 115
EPA 8270E	Tetrachloro-m-xylene	42.7	P	30 - 101
EPA 8270E	Tetrachloro-m-xylene	44.8	P	29 - 95.0
EPA 8276	Decachlorobiphenyl	53.8	P	23 - 110
EPA 8276	PCNB	75.1	P	51 - 130

Lab Sample ID: 2490921
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	68.3	P	20 - 200
EPA 8270E	Simazine-d10	109	P	58 - 137
EPA 8270E	Terbufos-d10	72.3	P	50 - 134

Quality Assurance Report
Surrogates

Lab Sample ID: 2490921
Field Sample ID: G5SE0069

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Terphenyl-d14	94.2	P	44 - 134

Quality Assurance Report
Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A125972
Included Lab Sample IDs: 2490885, 2490887, 2490889, 2490891, 2490893

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	99.7	101	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A125974
Included Lab Sample IDs: 2490883, 2490885, 2490887, 2490889, 2490891, 2490893

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Turbidity	97.5	97.0	P/P	95 - 105
Turbidity	97.5	97.5	P/P	95 - 105

Reference Method: DEP SOP: NU-094-1
Run ID: A125975
Included Lab Sample IDs: 2490883

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	101	102	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A125985
Included Lab Sample IDs: 2490914, 2490915, 2490916, 2490917, 2490918, 2490919

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	87.7	95.6	P/P	60 - 160
AMPA	92.1	97.4	P/P	60 - 160
Endothall	70.2	78.0	P/P	60 - 160
Glufosinate	75.5	79.2	P/P	60 - 160
Glyphosate	80.4	90.7	P/P	60 - 160
Glyphosate	87.9	88.7	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A125990
Included Lab Sample IDs: 2490914, 2490915, 2490916, 2490917, 2490918, 2490919

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acesulfame K	103	122	P/P	60 - 160
Sucralose	97.0	99.7	P/P	60 - 160

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125995
Included Lab Sample IDs: 2490884, 2490890, 2490892, 2490894

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.8	98.2	P/P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A126011
Included Lab Sample IDs: 2490883, 2490885, 2490887, 2490889, 2490891, 2490893

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chloride	94.6	99.6	P/P	90 - 110
Chloride	99.6	102	P/P	90 - 110

Quality Assurance Report
Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1
Run ID: A126011
Included Lab Sample IDs: 2490883, 2490885, 2490887, 2490889, 2490891, 2490893

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Sulfate	103	105	P/P	90 - 110
Sulfate	96.8	103	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A126036
Included Lab Sample IDs: 2490884, 2490886, 2490888, 2490890

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A126039
Included Lab Sample IDs: 2490892, 2490894

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total-P	100	103	P/P	90 - 110

Reference Method: EPA 8321B
Run ID: A126044
Included Lab Sample IDs: 2490914, 2490915, 2490916, 2490917, 2490918, 2490919

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	105	100	P/P	50 - 150
2,4-D	89.1	105	P/P	50 - 150
2,4,5-T	96.5	98.3	P/P	50 - 150
2,4,5-T	98.3	89.6	P/P	50 - 150
Acetaminophen	96.9	108	P/P	60 - 160
Acetaminophen	97.9	96.9	P/P	60 - 160
Acetamiprid	105	120	P/P	50 - 150
Acetamiprid	120	117	P/P	50 - 150
Afidopyropen	118	104	P/P	50 - 150
Afidopyropen	134	118	P/P	50 - 150
Bentazon	105	111	P/P	50 - 160
Bentazon	105	105	P/P	50 - 160
Benzovindiflupyr	97.0	108	P/P	50 - 150
Benzovindiflupyr	97.5	97.0	P/P	50 - 150
Carbamazepine	109	132	P/P	60 - 150
Carbamazepine	132	118	P/P	60 - 150
Clothianidin	106	114	P/P	60 - 150
Clothianidin	95.9	106	P/P	60 - 150
Dinotefuran	87.5	91.9	P/P	50 - 150
Dinotefuran	91.9	93.6	P/P	50 - 150
Diuron	105	111	P/P	60 - 160
Diuron	99.8	105	P/P	60 - 160
Fenuron	107	102	P/P	60 - 150
Fenuron	110	107	P/P	60 - 150
Fluridone	69.3	82.5	P/P	60 - 160
Fluridone	86.4	69.3	P/P	60 - 160
Hydrocodone	111	96.2	P/P	60 - 150
Hydrocodone	98.9	111	P/P	60 - 150
Ibuprofen	133	78.6	P/P	50 - 160

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8321B
Run ID: A126044
Included Lab Sample IDs: 2490914, 2490915, 2490916, 2490917, 2490918, 2490919

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ibuprofen	83.8	133	P/P	50 - 160
Imazapyr	111	113	P/P	50 - 150
Imazapyr	120	87.2	P/P	50 - 150
Imazapyr	95.3	120	P/P	50 - 150
Imidacloprid	108	113	P/P	60 - 150
Imidacloprid	113	110	P/P	60 - 150
Linuron	120	133	P/P	60 - 150
Linuron	133	104	P/P	60 - 150
Mandestrobin	106	79.5	P/P	50 - 150
Mandestrobin	91.7	106	P/P	50 - 150
MCPP	79.7	91.4	P/P	50 - 150
MCPP	89.5	79.7	P/P	50 - 150
Naproxen	101	99.0	P/P	50 - 160
Naproxen	99.0	62.5	P/P	50 - 160
Primidone	117	133	P/P	60 - 150
Primidone	133	130	P/P	60 - 150
Pyraclostrobin	131	114	P/P	60 - 150
Pyraclostrobin	98.9	131	P/P	60 - 150
Silvex	107	87.0	P/P	50 - 150
Silvex	87.0	74.1	P/P	50 - 150
Thiamethoxam	121	120	P/P	50 - 150
Thiamethoxam	99.3	121	P/P	50 - 150
Tolfenpyrad	101	112	P/P	60 - 150
Tolfenpyrad	120	101	P/P	60 - 150
Triclopyr	91.9	94.7	P/P	50 - 150
Triclopyr	94.7	88.9	P/P	50 - 150

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A126053
Included Lab Sample IDs: 2490886, 2490888

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.2	97.3	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A126056
Included Lab Sample IDs: 2490884, 2490886, 2490888, 2490890, 2490892, 2490894

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	100	99.5	P/P	90 - 110
NO2NO3-N	99.5	100	P/P	90 - 110

Reference Method: SM 2320 B-2011
Run ID: A126065
Included Lab Sample IDs: 2490883, 2490885, 2490887, 2490889, 2490891, 2490893

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	101	98.1	P/P	90 - 110

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Reference Method: SM 4500-F- C-2011
Run ID: A126065
Included Lab Sample IDs: 2490883, 2490885, 2490887, 2490889, 2490891, 2490893

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

Reference Method: EPA 8321B
Run ID: A126081
Included Lab Sample IDs: 2490913

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
3-Hydroxycarbofuran	100	99.8	P/P	60 - 150
Aldicarb	104	97.2	P/P	60 - 150
Aldicarb Sulfone	104	95.1	P/P	50 - 150
Aldicarb Sulfoxide	103	97.6	P/P	50 - 150
Carbaryl	112	92.3	P/P	60 - 150
Carbofuran	118	78.5	P/P	50 - 150
Methiocarb	112	109	P/P	50 - 150
Methomyl	101	102	P/P	50 - 150
Oxamyl	102	93.9	P/P	50 - 150
Propoxur	112	89.2	P/P	50 - 150

Reference Method: EPA 8276
Run ID: A126133
Included Lab Sample IDs: 2490920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Chlordane	94.7		P	80 - 120
Toxaphene	114		P	80 - 120

Reference Method: SM 5310 B-2014
Run ID: A126150
Included Lab Sample IDs: 2490884, 2490886, 2490888, 2490890, 2490892, 2490894

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	99.2	96.5	P/P	85 - 115

Reference Method: EPA 8270E
Run ID: A126158
Included Lab Sample IDs: 2490921

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	104		P	80 - 120
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	108		P	80 - 120
Avobenzone	112		P	80 - 120
Dechlorane 602	106		P	80 - 120
Dechlorane 603	109		P	80 - 120
Dechlorane Plus	108		P	80 - 120
Hexabromobenzene	102		P	80 - 120
Octinoxate	102		P	80 - 120
Oxybenzone	104		P	80 - 120
PBB-153	101		P	80 - 120
PBDE-47	103		P	80 - 120
PBDE-99	104		P	80 - 120
Pentabromotoluene	101		P	80 - 120

Quality Assurance Report
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Reference Method: EPA 8270E
Run ID: A126158
Included Lab Sample IDs: 2490921

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Tetradecachloro-m-terphenyl	95.9		P	80 - 120
Tri-o-cresyl Phosphate	103		P	80 - 120
Tris(1-chloro-2-propyl) phosphate (TCPP)	97.8		P	80 - 120
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	99.9		P	80 - 120
Tris(2-chloroethyl) phosphate (TCEP)	99.8		P	80 - 120

Reference Method: EPA 8270E
Run ID: A126203
Included Lab Sample IDs: 2490920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
PCB-1016	98.0		P	80 - 120
PCB-1260	101		P	80 - 120

Reference Method: EPA 8270E
Run ID: A126205
Included Lab Sample IDs: 2490920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aldrin	101		P	80 - 120
Alpha-BHC	99.7		P	80 - 120
Alpha-Chlordane	97.0		P	80 - 120
Beta-BHC	102		P	80 - 120
Beta-Cyfluthrin	105		P	80 - 120
Bifenthrin	103		P	80 - 120
Chlorothalonil	89.2		P	80 - 120
Cis-Nonachlor	97.7		P	80 - 120
Cypermethrin	103		P	80 - 120
Dacthal	102		P	80 - 120
DDD-p,p'	98.7		P	80 - 120
DDE-p,p'	101		P	80 - 120
DDT-p,p'	94.0		P	80 - 120
Delta-BHC	100		P	80 - 120
Deltamethrin	103		P	80 - 120
Dichlobenil	93.8		P	80 - 120
Dicofol	96.6		P	80 - 120
Dieldrin	95.2		P	80 - 120
Endosulfan I	98.4		P	80 - 120
Endosulfan II	97.5		P	80 - 120
Endosulfan Sulfate	96.3		P	80 - 120
Endrin	102		P	80 - 120
Endrin Aldehyde	89.1		P	80 - 120
Endrin Ketone	93.7		P	80 - 120
Esfenvalerate	107		P	80 - 120
Ethalfluralin	105		P	80 - 120
Fenpropathrin	103		P	80 - 120
Gamma-BHC	99.0		P	80 - 120
Gamma-Chlordane	99.5		P	80 - 120
Heptachlor	98.2		P	80 - 120
Heptachlor Epoxide	101		P	80 - 120
Hexachlorobenzene	101		P	80 - 120

Quality Assurance Report
Calibration Verification

Reference Method: EPA 8270E
Run ID: A126205
Included Lab Sample IDs: 2490920

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kepone	71.7*		F	80 - 120
Lambda-Cyhalothrin	100		P	80 - 120
Methoprene	103		P	80 - 120
Methoxychlor	102		P	80 - 120
MGK-264	97.4		P	80 - 120
Mirex	102		P	80 - 120
Oxychlordane	95.4		P	80 - 120
Permethrin	98.3		P	80 - 120
Phenothrin	102		P	80 - 120
Piperonyl Butoxide	99.2		P	80 - 120
Prallethrin	98.8		P	80 - 120
Tau-Fluvalinate	101		P	80 - 120
Tetramethrin	104		P	80 - 120
Trans-Nonachlor	99.1		P	80 - 120
Triclosan Methyl	102		P	80 - 120
Trifluralin	98.9		P	80 - 120

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A126274
Included Lab Sample IDs: 2490884, 2490886, 2490888, 2490890, 2490892, 2490894

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	105	106	P/P	90 - 110
Kjeldahl Nitrogen	106	101	P/P	90 - 110

Reference Method: EPA 8270E
Run ID: A126336
Included Lab Sample IDs: 2490921

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	85.4		P	80 - 120
Alachlor	91.1		P	80 - 120
Ametryn	103		P	80 - 120
Atrazine	92.0		P	80 - 120
Atrazine Desethyl	104		P	80 - 120
Azinphos Methyl	109		P	80 - 120
Azoxystrobin	98.3		P	80 - 120
Bromacil	90.9		P	80 - 120
Butylate	98.3		P	80 - 120
Caffeine	83.5		P	80 - 120
Carbophenothion	91.1		P	80 - 120
Carfentrazone Ethyl	90.1		P	80 - 120
Chlorfenapyr	90.4		P	80 - 120
Chlorpyrifos Ethyl	88.5		P	80 - 120
Chlorpyrifos Methyl	103		P	80 - 120
Coumaphos	119		P	80 - 120
Cyanazine	89.9		P	80 - 120
Cyprodinil	94.9		P	80 - 120
Demeton	96.0		P	80 - 120
Diazinon	94.4		P	80 - 120
Difenoconazole	99.7		P	80 - 120

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Calibration Verification

Reference Method: EPA 8270E
Run ID: A126336
Included Lab Sample IDs: 2490921

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Dimethenamid	98.9		P	80 - 120
Dimethomorph	104		P	80 - 120
Disulfoton	103		P	80 - 120
Dithiopyr	108		P	80 - 120
EPTC	95.9		P	80 - 120
Ethion	88.8		P	80 - 120
Ethoprop	97.9		P	80 - 120
Etridiazole	96.7		P	80 - 120
Fenamiphos	89.5		P	80 - 120
Fenbuconazole	90.9		P	80 - 120
Fipronil	96.5		P	80 - 120
Fipronil Desulfinyl	98.1		P	80 - 120
Fipronil Sulfide	89.3		P	80 - 120
Fipronil Sulfone	99.3		P	80 - 120
Fluazifop-P-butyl	102		P	80 - 120
Fludioxonil	91.6		P	80 - 120
Flumioxazin	105		P	80 - 120
Flutolanil	99.3		P	80 - 120
Fluxapyroxad	88.6		P	80 - 120
Fonofos	93.4		P	80 - 120
Hexazinone	103		P	80 - 120
Imazalil	92.7		P	80 - 120
Iprodione	95.8		P	80 - 120
Loratadine	97.3		P	80 - 120
Malathion	91.7		P	80 - 120
Metalaxyl	90.0		P	80 - 120
Metolachlor	101		P	80 - 120
Metribuzin	87.8		P	80 - 120
Mevinphos	118		P	80 - 120
Molinate	84.8		P	80 - 120
Myclobutanil	87.0		P	80 - 120
Naled	93.5		P	80 - 120
Napropamide	93.4		P	80 - 120
Norflurazon	86.9		P	80 - 120
Oxadiazon	94.6		P	80 - 120
Oxyfluorfen	104		P	80 - 120
Parathion Ethyl	99.8		P	80 - 120
Parathion Methyl	107		P	80 - 120
Pendimethalin	107		P	80 - 120
Phenytoin	95.0		P	80 - 120
Phorate	94.4		P	80 - 120
Prodiamine	128*		F	80 - 120
Prometon	98.6		P	80 - 120
Prometryn	107		P	80 - 120
Pronamide	102		P	80 - 120
Propanil	96.8		P	80 - 120
Propargite	99.1		P	80 - 120
Propiconazole	88.4		P	80 - 120
Pyraflufen Ethyl	104		P	80 - 120
Pyridaben	97.4		P	80 - 120
Pyriproxyfen	95.3		P	80 - 120

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Calibration Verification

Reference Method: EPA 8270E
Run ID: A126336
Included Lab Sample IDs: 2490921

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Simazine	83.0		P	80 - 120
Stirophos	95.5		P	80 - 120
Sulfentrazone	105		P	80 - 120
Tebuconazole	95.5		P	80 - 120
Terbufos	92.1		P	80 - 120
Terbuthylazine	90.6		P	80 - 120
Thiobencarb	98.6		P	80 - 120
Triadimefon	93.2		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)	102				2.32	
	Color (true)	99.3				9.92	
EPA 180.1 Rev. 2.0	Turbidity	100				4.44	
EPA 300.0 Rev. 2.1	Chloride	104	108	107		2.06	
	Sulfate	106	109	107		3.41	
EPA 350.1 Rev. 2.0	Ammonia-N	96.6	97.0	98.0			0.718
	Ammonia-N	97.6	97.4	98.6			0.681
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	104	103	97.8			2.96
EPA 353.2 Rev. 2.0	NO2NO3-N	99.0	99.5	100			1.00
	NO2NO3-N	99.0	95.8	96.8			0.952
EPA 365.1 Rev. 2.0	Total-P	100	102	103			1.04
EPA 8270E	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	84.4	87.0	90.3			3.81
	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	101	95.6	83.4			13.5
	Acetochlor	99.8	96.1	91.0			5.46
	Alachlor	104	95.1	90.0			5.55
	Aldrin	47.6	63.5	63.4			0.0197
	Alpha-BHC	84.5	91.0	90.2			0.819
	Alpha-Chlordane	65.6	69.6	66.4			4.77
	Ametryn	94.9	90.9	95.5			3.12
	Atrazine	95.4					6.25
	Atrazine Desethyl	101	114	127			10.7
	Avobenzone	135	148	194			27.0
	Azinphos Methyl	187	151	122			21.4
	Azoxystrobin	106	95.8	74.5			25.0
	Beta-BHC	97.6	116	102			13.0
	Beta-Cyfluthrin	92.6	107	114			6.25
	Bifenthrin	68.3	87.3	96.5			9.95
	Bromacil	118	91.1	89.7			1.59
	Butylate	50.0	49.5	67.0			30.0
	Caffeine	120	134	136			1.18
	Carbophenothion	113	105	107			2.59
	Carfentrazone Ethyl	114	104	86.1			18.7
	Chlorfenapyr	114	75.8	75.4			0.552
	Chlorothalonil	70.2	51.0	84.8			49.8
	Chlorpyrifos Ethyl	90.8	79.6	96.7			19.4
	Chlorpyrifos Methyl	122	104	105			0.804
	Cis-Nonachlor	65.9	69.6	67.3			3.42
	Coumaphos	194	129	213			48.7
	Cyanazine	116	123	115			6.75
	Cypermethrin	88.6	99.6	107			7.04
	Cyprodinil	125	91.3	93.7			2.57
	Dacthal	90.2	94.0	92.4			1.74
	DDD-p,p'	66.0	68.9	66.8			3.15
	DDE-p,p'	75.6	82.6	78.5			5.00
	DDT-p,p'	65.3	69.1	65.6			5.29
	Dechlorane 602	85.4	83.1	42.3			65.0
	Dechlorane 603	104	87.3	70.8			20.8
	Dechlorane Plus	99.5	67.9	51.5			27.6
	Delta-BHC	93.7	108	109			1.10
	Deltamethrin	95.4	115	142			20.6
	Demeton	64.0	59.4	70.9			17.6

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Diazinon	89.2	109	126			14.8
	Dichlobenil	58.8	51.6	49.6			4.11
	Dicofol	65.5	67.8	65.6			3.29
	Dieldrin	67.9	71.7	68.9			3.97
	Difenoconazole	184	116	78.1			38.9
	Dimethenamid	104	86.8	77.4			11.5
	Dimethomorph	230	201	131			42.1
	Disulfoton	85.9	98.7	115			15.2
	Dithiopyr	112	89.4	72.2			21.2
	Endosulfan I	73.8	79.3	81.2			2.36
	Endosulfan II	72.8	74.6	71.6			4.15
	Endosulfan Sulfate	68.2	73.0	79.2			8.17
	Endrin	80.5	85.6	82.7			3.38
	Endrin Aldehyde	63.7	60.1	63.3			5.16
	Endrin Ketone	76.9	76.6	69.9			9.16
	EPTC	45.6	43.8	55.3			23.1
	Esfenvalerate	90.2	115	132			13.8
	Ethalfluralin	64.1	67.2	74.6			10.4
	Ethion	93.3	73.2	63.0			14.9
	Ethoprop	83.5	98.4	93.4			5.23
	Etridiazole	59.6	55.6	67.1			18.6
	Fenamiphos	108	85.8	82.9			3.49
	Fenbuconazole	106	61.3	48.6			23.2
	Fenpropathrin	76.2	83.3	82.7			0.731
	Fipronil	125	106	106			0.722
	Fipronil Desulfinyl	111	92.2	75.3			20.2
	Fipronil Sulfide	122	88.1	84.4			4.26
	Fipronil Sulfone	111	88.9	72.3			20.6
	Fluazifop-P-butyl	110	102	102			0.635
	Fludioxonil	114	83.9	71.1			16.5
	Flumioxazin	203	95.9	65.6			37.4
	Flutolanil	99.3	71.7	53.3			29.5
	Fluxapyroxad	116	80.7	58.7			31.6
	Fonofos	87.9	77.0	90.1			15.7
	Gamma-BHC	80.9	83.9	83.5			0.472
	Gamma-Chlordane	72.6	79.6	76.5			3.91
	Heptachlor	62.0	65.5	66.9			2.11
	Heptachlor Epoxide	77.8	81.1	79.2			2.36
	Hexabromobenzene	83.3	81.8	80.1			2.17
	Hexachlorobenzene	68.5	74.1	70.4			5.02
	Hexazinone	106	94.3	83.8			11.8
	Imazalil	111	99.0	81.8			19.1
	Iprodione	130	71.9	64.2			11.4
	Kepone	95.2	87.7	97.6			10.6
	Lambda-Cyhalothrin	66.9	82.1	80.4			2.10
	Loratadine	172	211	128			48.9
	Malathion	107	92.2	20.0			129
	Metalaxyl	101	90.0	102			12.9
	Methoprene	72.6	84.1	80.7			4.05
	Methoxychlor	83.6	92.9	100			7.72
	Metolachlor	102	108	109			0.968
	Metribuzin	109	114	103			9.74
	Mevinphos	97.1	87.1	98.9			12.7
	MGK-264	67.5	77.1	80.9			4.85

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
EPA 8270E	Mirex	63.6	76.6	73.1			4.66
	Molinate	51.2	52.8	60.8			14.1
	Myclobutanil	97.8	78.9	66.7			16.7
	Naled	41.4	36.0	38.2			5.95
	Napropamide	119	102	33.5			101
	Norflurazon	113	92.1	80.0			14.0
	Octinoxate	91.7	94.9	139			38.0
	Oxadiazon	91.4	65.2	57.4			10.1
	Oxybenzone	99.9	108	142			27.4
	Oxychlordane	75.1	76.1	81.8			7.22
	Oxyfluorfen	119	116	124			5.88
	Parathion Ethyl	88.5	106	80.5			27.2
	Parathion Methyl	138	138	134			3.30
	PBB-153	93.8	73.0	54.2			29.5
	PBDE-47	85.7	87.0	88.7			1.84
	PBDE-99	88.6	85.5	65.5			26.5
	PCB-1016	72.9	71.0	66.1			7.24
	PCB-1260	86.2	82.5	79.0			4.32
	Pendimethalin	128	153	155			1.38
	Pentabromotoluene	85.3	83.9	114			30.1
	Permethrin	76.9	87.4	101			14.4
	Phenothrin	53.9	78.0	80.9			3.73
	Phenytoin	76.1	42.7	32.6			26.7
	Phorate	74.5	63.3	80.0			23.4
	Piperonyl Butoxide	87.5	88.8	91.2			2.66
	Prallethrin	60.9	68.3	75.7			10.2
	Prodiamine	101	118	105			11.4
	Prometon	113	92.9	104			11.0
	Prometryn	101	126	97.3			25.7
	Pronamide	112	94.9	104			9.33
	Propanil	118	116	112			3.07
	Propargite	125	100	138			31.9
	Propiconazole	114	95.5	93.3			2.33
	Pyraflufen Ethyl	127	113	73.9			42.0
	Pyridaben	139	142	123			14.0
	Pyriproxyfen	124	79.8	49.8			41.0
	Simazine	106	98.0	77.7			23.1
	Stirophos	121	43.6	27.5			45.3
	Sulfentrazone	120	54.6	54.0			1.06
	Tau-Fluvalinate	71.1	90.4	105			14.7
	Tebuconazole	101	82.7	44.2			60.8
	Terbufos	87.8	78.6	98.2			22.2
	Terbuthylazine	88.4	71.4	73.1			2.30
	Tetradecachloro-m-terphenyl	81.4	76.3	121			45.7
	Tetramethrin	70.8	89.9	95.8			6.33
	Thiobencarb	114	88.5	32.9			91.6
	Trans-Nonachlor	73.1	80.8	78.3			3.06
	Tri-o-cresyl Phosphate	102	101	141			33.0
	Triadimefon	104	92.5	98.4			6.11
	Triclosan Methyl	81.7	88.6	84.0			5.33
	Trifluralin	72.6	77.3	75.2			2.82
	Tris(1-chloro-2-propyl) phosphate (TCPP)	129	109	165			33.6

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)	120	112	156			30.3
	Tris(2-chloroethyl) phosphate (TCEP)	158	172	276			46.5
EPA 8276	Chlordane	90.4	80.1	83.0			3.62
	Toxaphene	86.4	94.8	102			7.18
EPA 8321B	2,4-D	119	139	113			18.4
	2,4,5-T	97.1	99.3	80.1			21.4
	3-Hydroxycarbofuran	90.2	105	116			9.43
	Acesulfame K	104	89.9	84.8			5.35
	Acetaminophen	87.9	142	112			23.8
	Acetamiprid	82.2	84.6	77.2			9.08
	Afidopyropen	100	68.6	72.2			5.16
	Aldicarb	76.1	83.1	88.2			5.94
	Aldicarb Sulfone	85.8	107	111			3.25
	Aldicarb Sulfoxide	86.4	37.3	34.9			6.62
	AMPA	83.4					2.22
	Bentazon	114					8.61
	Benzovindiflupyr	82.8	77.8	71.3			8.71
	Carbamazepine	116	90.6	76.9			15.5
	Carbaryl	59.0	75.0	73.4			2.19
	Carbofuran	63.7	66.4	57.7			14.1
	Clothianidin	113	111	126			13.0
	Dinotefuran	103	143	108			28.1
	Diuron	119	79.6	59.5			26.6
	Endothall	63.1	91.7	92.7			1.02
	Fenuron	106	80.2	85.7			6.63
	Fluridone	92.2	68.7	48.4			26.7
	Glufosinate	79.8	60.5	72.7			18.4
	Glyphosate	79.1					9.57
	Hydrocodone	109	107	98.7			8.19
	Ibuprofen	88.3	96.0	77.9			20.8
	Imazapyr	96.3					1.81
	Imidacloprid	114	149	185			21.3
	Linuron	83.6	82.5	66.0			22.2
	Mandestrobin	109	86.0	74.8			13.9
	MCPP	115	101	103			2.17
	Methiocarb	76.8	57.7	75.0			26.1
	Methomyl	87.8	86.2	87.9			2.00
	Naproxen	72.4	123	111			9.89
	Oxamyl	85.4	90.5	93.1			2.79
	Primidone	121	107	120			9.92
	Propoxur	67.5	60.1	50.0			18.4
	Pyraclostrobin	82.7	77.3	58.9			27.1
	Silvex	104	92.7	101			8.20
	Sucralose	95.8	49.3	64.0			21.2
	Thiamethoxam	114	137	150			9.52
	Tolfenpyrad	60.1	63.3	48.0			27.4
	Triclopyr	99.8	97.0	87.0			10.8
SM 2320 B-2011	Total Alkalinity	99.1				1.71	
SM 2540 C-2015	TDS	96.0				7.00	
	TDS	115				4.41	
SM 2540 D-2015	TSS	96.8					
	TSS	102				7.41	

Quality Assurance Report
Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision		
					LCS	SMP	MS
SM 4500-F- C-2011	Fluoride	98.2	101	101			0.0
SM 5310 B-2014	Organic Carbon	100	98.4	102			2.40

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2490884, 2490886, 2490888, 2490890, 2490892, 2490894
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2490884, 2490886, 2490888, 2490890, 2490892, 2490894
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2490884, 2490886, 2490888, 2490890, 2490892, 2490894
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2490884, 2490886, 2490888, 2490890, 2490892, 2490894
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2490921
EPA 8270E	Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS	2490920
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2490921
EPA 8270E	PCBs in water matrices by GC/MS/MS	2490920
EPA 8276	Chlordane and Toxaphene in water matrices by GC/MS with Negative Chemical Ionization	2490920
EPA 8321B	Carbamates in water matrices by HPLC/MS/MS	2490913
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2490914, 2490915, 2490916, 2490917, 2490918, 2490919
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2490883, 2490885, 2490887, 2490889, 2490891, 2490893
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2490884, 2490886, 2490888, 2490890, 2490892, 2490894

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	06/04/2024			06/04/2024 15:02	Chandler E Cox	2490885
	06/04/2024			06/04/2024 15:03	Chandler E Cox	2490887, 2490889
	06/04/2024			06/04/2024 15:04	Chandler E Cox	2490891, 2490893
	06/04/2024			06/04/2024 16:18	Chandler E Cox	2490883
EPA 180.1 Rev. 2.0	06/04/2024			06/04/2024 14:06	Jessica K Wilks	2490883
	06/04/2024			06/04/2024 14:07	Jessica K Wilks	2490885
	06/04/2024			06/04/2024 14:11	Jessica K Wilks	2490887
	06/04/2024			06/04/2024 14:12	Jessica K Wilks	2490889
	06/04/2024			06/04/2024 14:13	Jessica K Wilks	2490891
	06/04/2024			06/04/2024 14:14	Jessica K Wilks	2490893
EPA 300.0 Rev. 2.1	06/04/2024			06/08/2024 14:55	James L Waggerby	2490883
	06/04/2024			06/08/2024 15:40	James L Waggerby	2490885
	06/04/2024			06/08/2024 15:55	James L Waggerby	2490887
	06/04/2024			06/08/2024 16:10	James L Waggerby	2490889
	06/04/2024			06/08/2024 16:25	James L Waggerby	2490891
	06/04/2024			06/08/2024 16:40	James L Waggerby	2490893
EPA 350.1 Rev. 2.0	06/04/2024			06/05/2024 12:10	Khloe J Berg	2490884
	06/04/2024			06/05/2024 12:16	Khloe J Berg	2490890
	06/04/2024			06/05/2024 12:18	Khloe J Berg	2490892
	06/04/2024			06/05/2024 12:19	Khloe J Berg	2490894
	06/04/2024			06/07/2024 12:21	Khloe J Berg	2490886
	06/04/2024			06/07/2024 12:22	Khloe J Berg	2490888
EPA 351.2 Rev. 2.0	06/04/2024	06/19/2024 07:47	Simonne.V. Calhoun	06/20/2024 10:34	Samantha L Bates	2490884
	06/04/2024	06/19/2024 07:47	Simonne.V. Calhoun	06/20/2024 10:35	Samantha L Bates	2490886
	06/04/2024	06/19/2024 07:47	Simonne.V. Calhoun	06/20/2024 10:37	Samantha L Bates	2490888
	06/04/2024	06/19/2024 07:47	Simonne.V. Calhoun	06/20/2024 10:45	Samantha L Bates	2490890
	06/04/2024	06/19/2024 07:47	Simonne.V. Calhoun	06/20/2024 10:47	Samantha L Bates	2490892
	06/04/2024	06/19/2024 07:47	Simonne.V. Calhoun	06/20/2024 10:48	Samantha L Bates	2490894
EPA 353.2 Rev. 2.0	06/04/2024			06/07/2024 13:48	Fadila Guebre	2490884
	06/04/2024			06/07/2024 13:55	Fadila Guebre	2490886
	06/04/2024			06/07/2024 14:01	Fadila Guebre	2490888
	06/04/2024			06/07/2024 14:02	Fadila Guebre	2490890
	06/04/2024			06/07/2024 14:03	Fadila Guebre	2490892
	06/04/2024			06/07/2024 14:04	Fadila Guebre	2490894
EPA 365.1 Rev. 2.0	06/04/2024	06/05/2024 13:47	Adam P Silver	06/06/2024 16:28	James L Waggerby	2490884
	06/04/2024	06/05/2024 13:47	Adam P Silver	06/06/2024 16:29	James L Waggerby	2490886
	06/04/2024	06/05/2024 13:47	Adam P Silver	06/06/2024 16:30	James L Waggerby	2490888
	06/04/2024	06/05/2024 13:47	Adam P Silver	06/06/2024 16:31	James L Waggerby	2490890
	06/04/2024	06/05/2024 13:47	Adam P Silver	06/06/2024 18:29	James L Waggerby	2490892
	06/04/2024	06/05/2024 13:47	Adam P Silver	06/06/2024 18:32	James L Waggerby	2490894

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 8270E	06/04/2024	06/06/2024 08:00	Fe-Val Siddell	06/14/2024 01:47	Kenedi Mills	2490920
	06/04/2024	06/06/2024 08:00	Fe-Val Siddell	06/14/2024 06:05	Lipi Saha	2490920
	06/04/2024	06/10/2024 08:00	Rasheda Ghaffari	06/12/2024 17:46	Vandana T. Nagar	2490921
	06/04/2024	06/10/2024 08:00	Rasheda Ghaffari	06/13/2024 19:46	Arthur Maknenko	2490921
EPA 8276	06/04/2024	06/06/2024 08:00	Fe-Val Siddell	06/11/2024 15:34	Arthur Maknenko	2490920
EPA 8321B	06/04/2024	06/05/2024 10:00	Hoor Shaik	06/06/2024 16:11	Juyoung Kim	2490915
	06/04/2024	06/05/2024 10:00	Hoor Shaik	06/06/2024 18:15	Juyoung Kim	2490914
	06/04/2024	06/05/2024 10:00	Hoor Shaik	06/06/2024 18:33	Juyoung Kim	2490916
	06/04/2024	06/05/2024 10:00	Hoor Shaik	06/06/2024 18:51	Juyoung Kim	2490917
	06/04/2024	06/05/2024 10:00	Hoor Shaik	06/06/2024 19:09	Juyoung Kim	2490918
	06/04/2024	06/05/2024 10:00	Hoor Shaik	06/06/2024 19:27	Juyoung Kim	2490919
	06/04/2024	06/05/2024 10:00	Hoor Shaik	06/07/2024 10:00	Juyoung Kim	2490914
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/06/2024 03:56	Samatha Luckman	2490914
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/06/2024 04:10	Samatha Luckman	2490915
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/06/2024 04:24	Samatha Luckman	2490916
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/06/2024 04:38	Samatha Luckman	2490917
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/06/2024 04:52	Samatha Luckman	2490918
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/06/2024 05:06	Samatha Luckman	2490919
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 05:29	Samatha Luckman	2490914
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 05:43	Samatha Luckman	2490915
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 05:57	Samatha Luckman	2490916
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 06:10	Samatha Luckman	2490917
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 06:24	Samatha Luckman	2490918
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 06:38	Samatha Luckman	2490919
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 11:26	Samatha Luckman	2490914
	06/04/2024	06/05/2024 15:15	Samatha Luckman	06/07/2024 11:40	Samatha Luckman	2490916
	06/04/2024	06/07/2024 13:00	Hoor Shaik	06/10/2024 16:01	Juyoung Kim	2490913
SM 2320 B-2011	06/04/2024			06/07/2024 03:30	Dale L. Simmons	2490883
	06/04/2024			06/07/2024 03:45	Dale L. Simmons	2490885
	06/04/2024			06/07/2024 04:12	Dale L. Simmons	2490887
	06/04/2024			06/07/2024 04:25	Dale L. Simmons	2490889
	06/04/2024			06/07/2024 04:40	Dale L. Simmons	2490891
	06/04/2024			06/07/2024 04:54	Dale L. Simmons	2490893
SM 2540 C-2015	06/04/2024			06/07/2024 15:37	Yijie Li	2490889, 2490891, 2490893
	06/04/2024			06/10/2024 10:19	Josephine W Gitau	2490883
	06/04/2024			06/10/2024 10:25	Josephine W Gitau	2490887
	06/04/2024			06/10/2024 10:29	Josephine W Gitau	2490885
SM 2540 D-2015	06/04/2024			06/05/2024 15:20	Josephine W Gitau	2490883, 2490885, 2490887
	06/04/2024			06/07/2024 15:37	Yijie Li	2490889, 2490891, 2490893
SM 4500-F- C-2011	06/04/2024			06/07/2024 03:30	Dale L. Simmons	2490883

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SM 4500-F- C-2011	06/04/2024			06/07/2024 03:45	Dale L. Simmons	2490885
	06/04/2024			06/07/2024 04:12	Dale L. Simmons	2490887
	06/04/2024			06/07/2024 04:25	Dale L. Simmons	2490889
	06/04/2024			06/07/2024 04:40	Dale L. Simmons	2490891
	06/04/2024			06/07/2024 04:54	Dale L. Simmons	2490893
SM 5310 B-2014	06/04/2024			06/13/2024 20:14	Jessica K Wilks	2490884
	06/04/2024			06/13/2024 20:28	Jessica K Wilks	2490886
	06/04/2024			06/13/2024 20:43	Jessica K Wilks	2490888
	06/04/2024			06/13/2024 20:58	Jessica K Wilks	2490890
	06/04/2024			06/13/2024 21:12	Jessica K Wilks	2490892
	06/04/2024			06/13/2024 21:26	Jessica K Wilks	2490894