

Chemical Analysis Report

SO-DIST-2022-05-10-02

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

Event Description: **2022 SMP: Lee Coastal**
Request ID: **RQ-2022-05-09-45**
Customer: **SO-DIST**
Project ID: **SMP**

Send Reports to:
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FLDEP South District Office
2295 Victoria Ave. Suite 364
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Date Certified: 03-JUN-2022 10:52



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: Punta Rassa Cove

Collection Date/Time: 05/09/2022 09:30

Field ID: G2SD0047

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2325858	EPA 180.1 Rev. 2.0	Turbidity	1.5		NTU	P413651	
	SM 2320 B-2011	Total Alkalinity	117		mg CaCO3/L	P413854	
	SM 2540 D-2011	TSS	3	U	mg/L	P414174	
	SM 4500-F- C-2011	Fluoride	0.89		mg F/L	P413859	
2325859	EPA 350.1 Rev. 2.0	Ammonia-N	0.006		mg N/L	P413963	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.43		mg N/L	P413924	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.004	I	mg N/L	P413742	
	EPA 365.1 Rev. 2.0	Total-P	0.049		mg P/L	P413989	
	SM 5310 B-2011	Organic Carbon	7.9		mg C/L	P413818	
2325869	EPA 8270E	Oxybenzone**	10	U	ng/L	P414025	
		Acetochlor	0.25	U	ng/L	P414025	
		Octinoxate**	20	U	ng/L	P414025	
		Alachlor	0.25	U	ng/L	P414025	
		Avobenzone**	100	U	ng/L	P414025	
		Ametryn	0.61	U	ng/L	P414025	
		Atrazine	47		ng/L	P414025	
		Atrazine Desethyl	10		ng/L	P414025	
		Azinphos Methyl	2.0	U	ng/L	P414025	
		Azoxystrobin**	0.51	U	ng/L	P414025	
		Bromacil	0.51	U	ng/L	P414025	
		Butylate	0.41	U	ng/L	P414025	
		Caffeine**	7.6	U	ng/L	P414025	
		Carbophenothion	0.20	U	ng/L	P414025	
		Carfentrazone Ethyl**	0.10	U	ng/L	P414025	
		Chlorfenapyr**	0.18	U	ng/L	P414025	
		Chlorpyrifos Ethyl	0.25	U	ng/L	P414025	
		Chlorpyrifos Methyl	0.051	U	ng/L	P414025	
		Coumaphos**	0.51	U	ng/L	P414025	
		Cyanazine	3.3	U	ng/L	P414025	
		Cyprodinil**	0.10	U	ng/L	P414025	
		Demeton	1.5	U	ng/L	P414025	
		Diazinon	0.13	U	ng/L	P414025	
		Difenoconazole**	0.61	U	ng/L	P414025	
		Dimethenamid**	0.10	U	ng/L	P414025	
		Dimethomorph**	0.18	U	ng/L	P414025	
		Disulfoton	0.51	U	ng/L	P414025	
		Dithiopyr**	0.18	U	ng/L	P414025	MS
		EPTC	1.3	UJ	ng/L	P414025	RPD
		Ethion	0.15	U	ng/L	P414025	
		Ethoprop	0.10	U	ng/L	P414025	
		Etridiazole**	0.15	UJ	ng/L	P414025	MS, RPD
		Fenamiphos	0.51	U	ng/L	P414025	
		Fenbuconazole**	0.13	U	ng/L	P414025	
		Fipronil	0.25	U	ng/L	P414025	

Field ID: G2SD0047

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2325869	EPA 8270E	Fipronil Desulfinyl**	0.13	I	ng/L	P414025	
		Fipronil Sulfide	0.15	U	ng/L	P414025	
		Fipronil Sulfone	0.15	U	ng/L	P414025	
		Fluazifop-P-butyl**	0.10	U	ng/L	P414025	
		Fludioxonil**	0.13	U	ng/L	P414025	
		Flumioxazin**	1.8	U	ng/L	P414025	
		Flutolanil**	0.10	U	ng/L	P414025	
		Fluxapyroxad**	0.30	I	ng/L	P414025	
		Fonofos	0.20	U	ng/L	P414025	
		Hexazinone	7.4		ng/L	P414025	
		Imazalil**	0.76	U	ng/L	P414025	
		Iprodione**	0.61	U	ng/L	P414025	
		Loratadine**	0.10	U	ng/L	P414025	
		Malathion	0.36	U	ng/L	P414025	
		Metalaxyl	0.76	U	ng/L	P414025	
		Metolachlor	0.78	I	ng/L	P414025	
		Metribuzin	2.5	U	ng/L	P414025	
		Mevinphos	1.1	U	ng/L	P414025	
		Molinate	0.30	U	ng/L	P414025	
		Myclobutanil**	0.25	U	ng/L	P414025	
		Naled**	1.5	U	ng/L	P414025	
		Napropamide**	0.41	U	ng/L	P414025	
		Norflurazon	1.7	I	ng/L	P414025	
		Oxadiazon	2.3		ng/L	P414025	
		Oxyfluorfen**	0.15	U	ng/L	P414025	
		Parathion Ethyl	0.25	U	ng/L	P414025	
		Parathion Methyl	0.56	U	ng/L	P414025	
		Pendimethalin	1.0	U	ng/L	P414025	
		Phenytol**	3.6	U	ng/L	P414025	MS
		Phorate	0.53	U	ng/L	P414025	
		Prodiamine**	0.18	U	ng/L	P414025	
		Prometon	0.91	U	ng/L	P414025	
		Prometryn	0.20	U	ng/L	P414025	MS
		Pronamide**	0.15	U	ng/L	P414025	
		Propanil**	0.13	U	ng/L	P414025	
		Propargite**	1.5	U	ng/L	P414025	MS
		Propiconazole**	0.51	U	ng/L	P414025	
		Pyraflufen Ethyl**	0.25	U	ng/L	P414025	
		Pyridaben**	0.46	U	ng/L	P414025	
		Pyriproxyfen**	0.13	U	ng/L	P414025	
		Simazine	1.5	I	ng/L	P414025	
		Stirophos**	0.13	U	ng/L	P414025	MS
		Sulfentrazone**	0.73	I	ng/L	P414025	
		Tebuconazole**	0.51	U	ng/L	P414025	
		Terbufos	0.10	U	ng/L	P414025	

Field ID: G2SD0047

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2325869	EPA 8270E	Terbutylazine	0.43	U	ng/L	P414025	
		Thiobencarb**	0.61	U	ng/L	P414025	
		Triadimefon**	0.25	U	ng/L	P414025	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8270E: Insufficient sample available to perform duplicate matrix spikes.
EPA 8270E: Insufficient sample available to perform duplicate matrix spikes. MS accuracy for atrazine and simazine not assessed due to high content of these parameters in the sample spiked. Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: HendryCreekHouse1Upstrm

Collection Date/Time: 05/09/2022 11:20

Field ID: G1SD0118

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2325860	EPA 180.1 Rev. 2.0	Turbidity	1.9		NTU	P413651	
	SM 2320 B-2011	Total Alkalinity	208		mg CaCO3/L	P413854	
	SM 2540 D-2011	TSS	3	I	mg/L	P414174	
	SM 4500-F- C-2011	Fluoride	0.42		mg F/L	P413859	
2325861	EPA 350.1 Rev. 2.0	Ammonia-N	0.11		mg N/L	P414098	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	1.2		mg N/L	P414147	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.019		mg N/L	P413742	
	EPA 365.1 Rev. 2.0	Total-P	0.11		mg P/L	P413989	
	SM 5310 B-2011	Organic Carbon	15		mg C/L	P413970	
2325870	EPA 8270E	Oxybenzone**	10	U	ng/L	P414025	
		Acetochlor	0.26	U	ng/L	P414025	
		Octinoxate**	21	U	ng/L	P414025	
		Alachlor	0.26	U	ng/L	P414025	
		Avobenzone**	100	U	ng/L	P414025	
		Ametryn	0.63	U	ng/L	P414025	
		Atrazine	60		ng/L	P414025	
		Atrazine Desethyl	13		ng/L	P414025	
		Azinphos Methyl	2.1	U	ng/L	P414025	
		Azoxystrobin**	4.6	J	ng/L	P414025	
		Bromacil	0.52	U	ng/L	P414025	
		Butylate	0.42	U	ng/L	P414025	
		Caffeine**	28	I	ng/L	P414025	
		Carbophenothion	0.21	U	ng/L	P414025	
		Carfentrazone Ethyl**	0.10	U	ng/L	P414025	
		Chlorfenapyr**	0.18	U	ng/L	P414025	
		Chlorpyrifos Ethyl	0.26	U	ng/L	P414025	
		Chlorpyrifos Methyl	0.052	U	ng/L	P414025	
		Coumaphos**	0.52	U	ng/L	P414025	
		Cyanazine	3.4	U	ng/L	P414025	
		Cyprodinil**	0.10	U	ng/L	P414025	
		Demeton	1.6	U	ng/L	P414025	
		Diazinon	0.13	U	ng/L	P414025	
		Difenoconazole**	0.63	U	ng/L	P414025	
		Dimethenamid**	0.10	U	ng/L	P414025	
		Dimethomorph**	0.18	U	ng/L	P414025	
		Disulfoton	0.52	U	ng/L	P414025	
		Dithiopyr**	0.18	U	ng/L	P414025	MS
		EPTC	1.3	UJ	ng/L	P414025	RPD
		Ethion	0.16	U	ng/L	P414025	
		Ethoprop	0.10	U	ng/L	P414025	
		Etridiazole**	0.16	UJ	ng/L	P414025	MS, RPD
		Fenamiphos	0.52	U	ng/L	P414025	
		Fenbuconazole**	0.13	U	ng/L	P414025	
		Fipronil	3.6		ng/L	P414025	

Field ID: G1SD0118

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2325870	EPA 8270E	Fipronil Desulfinyl**	1.8		ng/L	P414025	
		Fipronil Sulfide	0.84		ng/L	P414025	
		Fipronil Sulfone	1.7		ng/L	P414025	
		Fluazifop-P-butyl**	0.10	U	ng/L	P414025	
		Fludioxonil**	15		ng/L	P414025	
		Flumioxazin**	1.8	U	ng/L	P414025	
		Flutolanil**	0.10	U	ng/L	P414025	
		Fluxapyroxad**	1.3		ng/L	P414025	
		Fonofos	0.21	U	ng/L	P414025	
		Hexazinone	0.52	U	ng/L	P414025	
		Imazalil**	0.79	U	ng/L	P414025	
		Iprodione**	0.63	U	ng/L	P414025	
		Loratadine**	0.10	U	ng/L	P414025	
		Malathion	0.37	U	ng/L	P414025	
		Metalaxyl	1.1	I	ng/L	P414025	
		Metolachlor	0.61	I	ng/L	P414025	
		Metribuzin	2.6	U	ng/L	P414025	
		Mevinphos	1.1	U	ng/L	P414025	
		Molinate	0.31	U	ng/L	P414025	
		Myclobutanil**	4.7		ng/L	P414025	
		Naled**	1.6	U	ng/L	P414025	
		Napropamide**	0.42	U	ng/L	P414025	
		Norflurazon	0.52	U	ng/L	P414025	
		Oxadiazon	22		ng/L	P414025	
		Oxyfluorfen**	0.16	U	ng/L	P414025	
		Parathion Ethyl	0.26	U	ng/L	P414025	
		Parathion Methyl	0.58	U	ng/L	P414025	
		Pendimethalin	1.0	U	ng/L	P414025	
		Phenytol**	3.7	U	ng/L	P414025	MS
		Phorate	0.55	U	ng/L	P414025	
		Prodiamine**	0.33	I	ng/L	P414025	
		Prometon	0.94	U	ng/L	P414025	
		Prometryn	0.21	U	ng/L	P414025	MS
		Pronamide**	0.16	U	ng/L	P414025	
		Propanil**	0.13	U	ng/L	P414025	
		Propargite**	1.6	U	ng/L	P414025	MS
		Propiconazole**	7.8		ng/L	P414025	
		Pyraflufen Ethyl**	0.26	U	ng/L	P414025	
		Pyridaben**	0.47	U	ng/L	P414025	
		Pyriproxyfen**	0.13	U	ng/L	P414025	
		Simazine	1.4	I	ng/L	P414025	
		Stirophos**	0.13	U	ng/L	P414025	MS
		Sulfentrazone**	36		ng/L	P414025	
		Tebuconazole**	0.60	I	ng/L	P414025	
		Terbufos	0.10	U	ng/L	P414025	

Field ID: G1SD0118

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2325870	EPA 8270E	Terbutylazine	0.45	U	ng/L	P414025	
		Thiobencarb**	0.63	U	ng/L	P414025	
		Triadimefon**	0.63	I	ng/L	P414025	

Ref. Method and Comment:
SM 2540 D-2011: Batch relative percent difference is unavailable because of low analyte concentration in the QC sample.
EPA 8270E: Insufficient sample available to perform duplicate matrix spikes.
EPA 8270E: Insufficient sample available to perform duplicate matrix spikes. MS accuracy for atrazine and simazine not assessed due to high content of these parameters in the sample spiked. Reported result J qualified for azoxystrobin due to the internal standard recovery exceeding control limits.
Refer to the Lab Analysis Report for an explanation of QC Codes.

Sample Location: Oak Creek @ Kentucky St

Collection Date/Time: 05/09/2022 12:35

Field ID: G1SD0116

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2325862	DEP SOP: NU-094-1	Color (true)**	56	A	PCU	P413648	
	EPA 180.1 Rev. 2.0	Turbidity	2.1		NTU	P413651	
	EPA 300.0 Rev. 2.1	Chloride	3.6E+03		mg Cl/L	P413939	
		Sulfate	510		mg SO4/L	P413943	
	SM 2320 B-2011	Total Alkalinity	248		mg CaCO3/L	P413854	
	SM 2540 C-2011	TDS	6.14E+03		mg/L	P414209	
	SM 2540 D-2011	TSS	2	I	mg/L	P414169	
	SM 4500-F- C-2011	Fluoride	0.31		mg F/L	P413859	
2325863	EPA 350.1 Rev. 2.0	Ammonia-N	0.015		mg N/L	P414095	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.93		mg N/L	P414007	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.037		mg N/L	P413742	
	EPA 365.1 Rev. 2.0	Total-P	0.097		mg P/L	P413989	
	SM 5310 B-2011	Organic Carbon	12		mg C/L	P413969	

Ref. Method and Comment:

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

Quality Assurance Report Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P413648

Component	Result	Code	Units
Color (true)	2.5	U	PCU

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P413651

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413939

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413943

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P413963

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414095

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414098

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P413924

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

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414007

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

Quality Assurance Report Method Blank Results

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414147

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P413742

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

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P413989

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

Reference Method: EPA 8270E
Batch ID: P414025

Component	Result	Code	Units
Acetochlor	0.25	U	ng/L
Acetochlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Alachlor	0.25	U	ng/L
Ametryn	0.60	U	ng/L
Ametryn	0.60	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine	0.25	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Atrazine Desethyl	1.5	U	ng/L
Avobenzone	100	U	ng/L
Avobenzone	100	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azinphos Methyl	2.0	U	ng/L
Azoxystrobin	0.50	U	ng/L
Azoxystrobin	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Bromacil	0.50	U	ng/L
Butylate	0.40	U	ng/L
Butylate	0.40	U	ng/L
Caffeine	7.5	U	ng/L
Caffeine	7.5	U	ng/L
Carbophenothion	0.20	U	ng/L
Carbophenothion	0.20	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Carfentrazone Ethyl	0.10	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorfenapyr	0.18	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Ethyl	0.25	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Chlorpyrifos Methyl	0.050	U	ng/L
Coumaphos	0.50	U	ng/L
Coumaphos	0.50	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P414025

Component	Result	Code	Units
Cyanazine	3.2	U	ng/L
Cyanazine	3.2	U	ng/L
Cyprodinil	0.10	U	ng/L
Cyprodinil	0.10	U	ng/L
Demeton	1.5	U	ng/L
Demeton	1.5	U	ng/L
Diazinon	0.12	U	ng/L
Diazinon	0.12	U	ng/L
Difenoconazole	0.60	U	ng/L
Difenoconazole	0.60	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethenamid	0.10	U	ng/L
Dimethomorph	0.18	U	ng/L
Dimethomorph	0.18	U	ng/L
Disulfoton	0.50	U	ng/L
Disulfoton	0.50	U	ng/L
Dithiopyr	0.18	U	ng/L
Dithiopyr	0.18	U	ng/L
EPTC	1.2	U	ng/L
EPTC	1.2	U	ng/L
Ethion	0.15	U	ng/L
Ethion	0.15	U	ng/L
Ethoprop	0.10	U	ng/L
Ethoprop	0.10	U	ng/L
Etridiazole	0.15	U	ng/L
Etridiazole	0.15	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenamiphos	0.50	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fenbuconazole	0.12	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil	0.25	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Desulfinyl	0.12	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfide	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fipronil Sulfone	0.15	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fluazifop-P-butyl	0.10	U	ng/L
Fludioxonil	0.12	U	ng/L
Fludioxonil	0.12	U	ng/L
Flumioxazin	1.8	U	ng/L
Flumioxazin	1.8	U	ng/L
Flutolanil	0.10	U	ng/L
Flutolanil	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fluxapyroxad	0.10	U	ng/L
Fonofos	0.20	U	ng/L
Fonofos	0.20	U	ng/L
Hexazinone	0.50	U	ng/L
Hexazinone	0.50	U	ng/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P414025

Component	Result	Code	Units
Imazalil	0.75	U	ng/L
Imazalil	0.75	U	ng/L
Iprodione	0.60	U	ng/L
Iprodione	0.60	U	ng/L
Loratadine	0.10	U	ng/L
Loratadine	0.10	U	ng/L
Malathion	0.35	U	ng/L
Malathion	0.35	U	ng/L
Metaxyl	0.75	U	ng/L
Metaxyl	0.75	U	ng/L
Metolachlor	0.35	U	ng/L
Metolachlor	0.35	U	ng/L
Metribuzin	2.5	U	ng/L
Metribuzin	2.5	U	ng/L
Mevinphos	1.0	U	ng/L
Mevinphos	1.0	U	ng/L
Molinate	0.30	U	ng/L
Molinate	0.30	U	ng/L
Myclobutanil	0.25	U	ng/L
Myclobutanil	0.25	U	ng/L
Naled	1.5	U	ng/L
Naled	1.5	U	ng/L
Napropamide	0.40	U	ng/L
Napropamide	0.40	U	ng/L
Norflurazon	0.50	U	ng/L
Norflurazon	0.50	U	ng/L
Octinoxate	20	U	ng/L
Octinoxate	20	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxadiazon	0.30	U	ng/L
Oxybenzone	10	U	ng/L
Oxybenzone	10	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Oxyfluorfen	0.15	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Ethyl	0.25	U	ng/L
Parathion Methyl	0.55	U	ng/L
Parathion Methyl	0.55	U	ng/L
Pendimethalin	1.0	U	ng/L
Pendimethalin	1.0	U	ng/L
Phenytol	3.5	U	ng/L
Phenytol	3.5	U	ng/L
Phorate	0.52	U	ng/L
Phorate	0.52	U	ng/L
Prodiamine	0.18	U	ng/L
Prodiamine	0.18	U	ng/L
Prometon	0.90	U	ng/L
Prometon	0.90	U	ng/L
Prometryn	0.20	U	ng/L
Prometryn	0.20	U	ng/L
Pronamide	0.15	U	ng/L
Pronamide	0.15	U	ng/L

Quality Assurance Report Method Blank Results

Reference Method: EPA 8270E

Batch ID: P414025

Component	Result	Code	Units
Propanil	0.12	U	ng/L
Propanil	0.12	U	ng/L
Propargite	1.5	U	ng/L
Propargite	1.5	U	ng/L
Propiconazole	0.50	U	ng/L
Propiconazole	0.50	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyraflufen Ethyl	0.25	U	ng/L
Pyridaben	0.45	U	ng/L
Pyridaben	0.45	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Pyriproxyfen	0.12	U	ng/L
Simazine	0.50	U	ng/L
Simazine	0.50	U	ng/L
Stirophos	0.12	U	ng/L
Stirophos	0.12	U	ng/L
Sulfentrazone	0.50	U	ng/L
Sulfentrazone	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Tebuconazole	0.50	U	ng/L
Terbufos	0.10	U	ng/L
Terbufos	0.10	U	ng/L
Terbuthylazine	0.42	U	ng/L
Terbuthylazine	0.42	U	ng/L
Thiobencarb	0.60	U	ng/L
Thiobencarb	0.60	U	ng/L
Triadimefon	0.25	U	ng/L
Triadimefon	0.25	U	ng/L

Reference Method: SM 2320 B-2011

Batch ID: P413854

Component	Result	Code	Units
Total Alkalinity	0.65	U	mg CaCO ₃ /L

Reference Method: SM 2540 C-2011

Batch ID: P414209

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2011

Batch ID: P414169

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 2540 D-2011

Batch ID: P414174

Component	Result	Code	Units
TSS	3	U	mg/L

Quality Assurance Report

Method Blank Results

Reference Method: SM 4500-F- C-2011
Batch ID: P413859

Component	Result	Code	Units
Fluoride	0.035	U	mg F/L

Reference Method: SM 5310 B-2011
Batch ID: P413818

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

Reference Method: SM 5310 B-2011
Batch ID: P413969

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

Reference Method: SM 5310 B-2011
Batch ID: P413970

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: P413648

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

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P413651

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Turbidity	97.1		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413939

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

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413943

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P413963

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414095

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

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414098

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Ammonia-N	95.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P413924

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	93.8		P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414007

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Kjeldahl Nitrogen	94.5		P	90 - 110

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 351.2 Rev. 2.0

Batch ID: P414147

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

Reference Method: EPA 353.2 Rev. 2.0

Batch ID: P413742

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
NO2NO3-N	98.5		P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P413989

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

Reference Method: EPA 8270E

Batch ID: P414025

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Acetochlor	96.4	90.7	P/P	70 - 121
Alachlor	82.6	86.9	P/P	68 - 119
Ametryn	83.6	90.2	P/P	64 - 139
Atrazine	93.6	95.2	P/P	76 - 120
Atrazine Desethyl	67.3	69.5	P/P	44 - 126
Avobenzone	121	123	P/P	76 - 212
Azinphos Methyl	106	104	P/P	43 - 192
Azoxystrobin	109	101	P/P	36 - 224
Bromacil	71.5	74.2	P/P	52 - 121
Butylate	43.8	60.7	P/P	28 - 91.0
Caffeine	59.0	70.5	P/P	50 - 134
Carbophenothion	82.8	94.4	P/P	56 - 129
Carfentrazone Ethyl	80.9	97.0	P/P	60 - 141
Chlorfenapyr	78.9	93.5	P/P	56 - 115
Chlorpyrifos Ethyl	78.1	94.2	P/P	60 - 118
Chlorpyrifos Methyl	94.8	95.0	P/P	68 - 119
Coumaphos	84.1	111	P/P	18 - 250
Cyanazine	88.7	96.9	P/P	61 - 250
Cyprodinil	83.5	90.3	P/P	55 - 145
Demeton	71.3	69.9	P/P	30 - 159
Diazinon	92.5	89.8	P/P	70 - 123
Difenoconazole	124	131	P/P	49 - 204
Dimethenamid	73.3	75.4	P/P	64 - 115
Dimethomorph	101	86.9	P/P	12 - 219
Disulfoton	79.4	87.8	P/P	44 - 125
Dithiopyr	78.3	85.7	P/P	64 - 115
EPTC	29.5	50.5	P/P	28 - 86.0
Ethion	58.2	84.6	P/P	33 - 125
Ethoprop	73.7	84.5	P/P	64 - 116
Etridiazole	35.2	53.3	P/P	34 - 91.0
Fenamiphos	83.9	96.7	P/P	12 - 127
Fenbuconazole	69.7	91.6	P/P	59 - 151
Fipronil	83.8	100	P/P	67 - 129
Fipronil Desulfiny	103	112	P/P	65 - 127

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
 Batch ID: P414025

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fipronil Sulfide	82.0	103	P/P	61 - 116
Fipronil Sulfone	72.8	91.6	P/P	55 - 117
Fluazifop-P-butyl	112	113	P/P	62 - 127
Fludioxonil	92.1	95.2	P/P	62 - 128
Flumioxazin	139	130	P/P	33 - 250
Flutolanil	74.7	83.2	P/P	56 - 127
Fluxapyroxad	70.3	80.7	P/P	45 - 128
Fonofos	83.0	84.0	P/P	62 - 111
Hexazinone	79.0	87.4	P/P	46 - 139
Imazalil	66.6	74.4	P/P	38 - 142
Iprodione	80.1	89.1	P/P	47 - 135
Loratadine	89.6	69.7	P/P	10 - 244
Malathion	103	118	P/P	61 - 139
Metalaxyl	81.5	89.2	P/P	10 - 119
Metolachlor	81.5	85.3	P/P	65 - 118
Metribuzin	98.9	95.2	P/P	51 - 250
Mevinphos	83.4	99.3	P/P	53 - 121
Molinate	45.9	69.8	P/P	42 - 96.0
Myclobutanil	86.0	88.8	P/P	55 - 128
Naled	72.5	91.1	P/P	10 - 98.0
Napropamide	73.5	84.7	P/P	49 - 121
Norflurazon	108	115	P/P	61 - 126
Octinoxate	97.0	98.1	P/P	30 - 159
Oxadiazon	74.5	75.3	P/P	59 - 116
Oxybenzone	87.7	88.3	P/P	61 - 139
Oxyfluorfen	102	104	P/P	64 - 137
Parathion Ethyl	85.0	86.3	P/P	70 - 112
Parathion Methyl	108	98.7	P/P	76 - 133
Pendimethalin	82.6	73.7	P/P	52 - 117
Phenytoin	27.0	35.1	P/P	10 - 199
Phorate	83.0	76.7	P/P	48 - 121
Prodiamine	49.3	40.2	P/P	26 - 142
Prometon	72.7	78.7	P/P	43 - 123
Prometryn	81.6	88.4	P/P	66 - 127
Pronamide	94.1	95.0	P/P	75 - 121
Propanil	128	135	P/P	45 - 150
Propargite	50.7	67.7	P/P	42 - 208
Propiconazole	103	119	P/P	60 - 125
Pyraflufen Ethyl	109	106	P/P	70 - 138
Pyridaben	124	138	P/P	35 - 245
Pyriproxyfen	67.7	82.9	P/P	30 - 149
Simazine	102	103	P/P	72 - 125
Stirophos	67.5	87.8	P/P	29 - 164
Sulfentrazone	53.5	59.0	P/P	21 - 139
Tebuconazole	35.5	56.6	P/P	10 - 115
Terbufos	98.6	101	P/P	60 - 123
Terbutylazine	90.1	88.5	P/P	72 - 115
Thiobencarb	76.1	75.7	P/P	31 - 139
Triadimefon	80.4	79.5	P/P	65 - 116

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: SM 2320 B-2011
Batch ID: P413854

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Total Alkalinity	98.0		P	94 - 106

Reference Method: SM 4500-F- C-2011
Batch ID: P413859

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Fluoride	99.3		P	96 - 104

Reference Method: SM 5310 B-2011
Batch ID: P413818

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	97.2		P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P413969

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

Reference Method: SM 5310 B-2011
Batch ID: P413970

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Organic Carbon	99.1		P	85 - 115

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413939

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325467	Chloride	100		P	90 - 110
2325714	Chloride	101		P	90 - 110

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413943

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325467	Sulfate	95.6		P	90 - 110
2325714	Sulfate	98.9		P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P413963

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325819	Ammonia-N	97.0	96.8	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414095

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2326147	Ammonia-N	95.6	97.4	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414098

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2324639	Ammonia-N	95.4	97.0	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P413924

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325847	Kjeldahl Nitrogen	106	101	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414007

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325548	Kjeldahl Nitrogen	95.4	94.4	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414147

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2326146	Kjeldahl Nitrogen	104	102	P/P	90 - 110

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P413742

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325847	NO2NO3-N	101	101	P/P	90 - 110

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 365.1 Rev. 2.0

Batch ID: P413989

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325859	Total-P	96.0	99.6	P/P	90 - 110

Reference Method: EPA 8270E

Batch ID: P414025

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325768	Acetochlor	104		P	65 - 124
2325768	Alachlor	112		P	61 - 121
2325768	Ametryn	102		P	52 - 216
2325768	Atrazine Desethyl	56.5		P	15 - 160
2325768	Avobenzone	112		P	59 - 206
2325768	Azinphos Methyl	92.5		P	40 - 292
2325768	Azoxystrobin	126		P	12 - 242
2325768	Bromacil	92.6		P	54 - 167
2325768	Butylate	33.7		P	14 - 94.0
2325768	Caffeine	68.6		P	10 - 226
2325768	Carbophenothion	82.9		P	49 - 122
2325768	Carfentrazone Ethyl	80.9		P	53 - 138
2325768	Chlorfenapyr	63.1		P	50 - 150
2325768	Chlorpyrifos Ethyl	73.2		P	52 - 122
2325768	Chlorpyrifos Methyl	85.6		P	66 - 117
2325768	Coumaphos	88.2		P	50 - 220
2325768	Cyanazine	84.9		P	43 - 245
2325768	Cyprodinil	90.2		P	50 - 150
2325768	Demeton	80.5		P	43 - 188
2325768	Diazinon	93.9		P	69 - 131
2325768	Difenoconazole	137		P	34 - 231
2325768	Dimethenamid	76.5		P	55 - 118
2325768	Dimethomorph	121		P	50 - 150
2325768	Disulfoton	80.4		P	38 - 141
2325768	Dithiopyr	23.2		F	42 - 116
2325768	EPTC	30.4		P	18 - 85.0
2325768	Ethion	42.3		P	10 - 131
2325768	Ethoprop	85.5		P	65 - 129
2325768	Etridiazole	48.6		F	50 - 150
2325768	Fenamiphos	44.9		P	31 - 137
2325768	Fenbuconazole	88.9		P	57 - 160
2325768	Fipronil	81.8		P	62 - 132
2325768	Fipronil Desulfinyl	98.6		P	57 - 131
2325768	Fipronil Sulfide	65.0		P	15 - 138
2325768	Fipronil Sulfone	60.7		P	21 - 134
2325768	Fluazifop-P-butyl	89.8		P	54 - 133
2325768	Fludioxonil	81.0		P	58 - 127
2325768	Flumioxazin	127		P	33 - 300
2325768	Flutolanil	62.3		P	42 - 130
2325768	Fluxapyroxad	70.9		P	23 - 141
2325768	Fonofos	78.3		P	58 - 119
2325768	Hexazinone	83.9		P	68 - 172
2325768	Imazalil	77.4		P	48 - 283
2325768	Iprodione	71.2		P	38 - 140
2325768	Loratadine	103		P	50 - 150
2325768	Malathion	76.7		P	40 - 137

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P414025

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325768	Metalaxyl	78.7		P	21 - 129
2325768	Metolachlor	77.7		P	55 - 122
2325768	Metribuzin	92.4		P	38 - 187
2325768	Mevinphos	90.6		P	54 - 134
2325768	Molinate	57.5		P	41 - 97.0
2325768	Myclobutanil	72.8		P	56 - 125
2325768	Naled	86.0		P	10 - 108
2325768	Napropamide	55.3		P	50 - 150
2325768	Norflurazon	67.2		P	32 - 122
2325768	Octinoxate	98.3		P	25 - 150
2325768	Oxadiazon	63.0		P	40 - 119
2325768	Oxybenzone	79.9		P	59 - 147
2325768	Oxyfluorfen	101		P	61 - 153
2325768	Parathion Ethyl	82.7		P	59 - 130
2325768	Parathion Methyl	113		P	65 - 155
2325768	Pendimethalin	93.4		P	49 - 138
2325768	Phenytoin	38.2		F	50 - 200
2325768	Phorate	78.3		P	54 - 161
2325768	Prodiamine	49.6		P	33 - 161
2325768	Prometon	69.3		P	48 - 140
2325768	Prometryn	44.2		F	55 - 134
2325768	Pronamide	93.4		P	66 - 137
2325768	Propanil	119		P	50 - 150
2325768	Propargite	45.1		F	50 - 200
2325768	Propiconazole	64.5		P	36 - 150
2325768	Pyraflufen Ethyl	67.3		P	50 - 150
2325768	Pyridaben	107		P	50 - 200
2325768	Pyriproxyfen	73.0		P	10 - 165
2325768	Stirophos	20.1		F	50 - 150
2325768	Sulfentrazone	55.9		P	34 - 140
2325768	Tebuconazole	30.0		P	10 - 127
2325768	Terbufos	95.6		P	59 - 138
2325768	Terbutylazine	91.0		P	68 - 119
2325768	Thiobencarb	58.9		P	50 - 150
2325768	Triadimefon	58.2		P	50 - 150

Reference Method: SM 4500-F- C-2011

Batch ID: P413859

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2323905	Fluoride	98.4	98.4	P/P	94 - 104

Reference Method: SM 5310 B-2011

Batch ID: P413818

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325686	Organic Carbon	90.2	93.8	P/P	85 - 115

Reference Method: SM 5310 B-2011

Batch ID: P413969

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

Matrix Spike Accuracy

Reference Method: SM 5310 B-2011
Batch ID: P413969

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2326583	Organic Carbon	97.5	98.2	P/P	85 - 115

Reference Method: SM 5310 B-2011
Batch ID: P413970

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2325861	Organic Carbon	96.4	93.6	P/P	85 - 115

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P413648

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325862	Color (true)	0.358	Sample	P	0 - 20

Reference Method: EPA 180.1 Rev. 2.0
Batch ID: P413651

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325811	Turbidity	3.65	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413939

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325467	Chloride	0.233	Sample	P	0 - 20

Reference Method: EPA 300.0 Rev. 2.1
Batch ID: P413943

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325467	Sulfate	0.0521	Sample	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P413963

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325819	Ammonia-N	0.193	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414095

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2326147	Ammonia-N	1.72	Spike	P	0 - 20

Reference Method: EPA 350.1 Rev. 2.0
Batch ID: P414098

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2324639	Ammonia-N	1.17	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P413924

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325847	Kjeldahl Nitrogen	3.85	Spike	P	0 - 20

Quality Assurance Report Precision

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414007

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325548	Kjeldahl Nitrogen	0.861	Spike	P	0 - 20

Reference Method: EPA 351.2 Rev. 2.0
Batch ID: P414147

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2326146	Kjeldahl Nitrogen	1.67	Spike	P	0 - 20

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P413742

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325847	NO2NO3-N	0.0	Spike	P	0 - 20

Reference Method: EPA 365.1 Rev. 2.0
Batch ID: P413989

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325859	Total-P	3.49	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P414025

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Acetochlor	6.12	LCS	P	0 - 24
LFB	Alachlor	5.07	LCS	P	0 - 26
LFB	Ametryn	7.56	LCS	P	0 - 25
LFB	Atrazine	1.69	LCS	P	0 - 29
LFB	Atrazine Desethyl	3.25	LCS	P	0 - 62
LFB	Avobenzone	2.09	LCS	P	0 - 30
LFB	Azinphos Methyl	1.40	LCS	P	0 - 76
LFB	Azoxystrobin	6.94	LCS	P	0 - 47
LFB	Bromacil	3.65	LCS	P	0 - 39
LFB	Butylate	32.4	LCS	P	0 - 35
LFB	Caffeine	17.7	LCS	P	0 - 27
LFB	Carbophenothion	13.0	LCS	P	0 - 28
LFB	Carfentrazone Ethyl	18.1	LCS	P	0 - 21
LFB	Chlorfenapyr	17.0	LCS	P	0 - 30
LFB	Chlorpyrifos Ethyl	18.7	LCS	P	0 - 23
LFB	Chlorpyrifos Methyl	0.209	LCS	P	0 - 30
LFB	Coumaphos	28.0	LCS	P	0 - 30
LFB	Cyanazine	8.90	LCS	P	0 - 77
LFB	Cyprodinil	7.79	LCS	P	0 - 30
LFB	Demeton	1.94	LCS	P	0 - 48
LFB	Diazinon	3.03	LCS	P	0 - 25
LFB	Difenoconazole	6.12	LCS	P	0 - 37
LFB	Dimethenamid	2.86	LCS	P	0 - 21

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P414025

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Dimethomorph	15.1	LCS	P	0 - 30
LFB	Disulfoton	10.0	LCS	P	0 - 51
LFB	Dithiopyr	8.95	LCS	P	0 - 21
LFB	EPTC	52.4	LCS	F	0 - 41
LFB	Ethion	36.9	LCS	P	0 - 63
LFB	Ethoprop	13.7	LCS	P	0 - 38
LFB	Etridiazole	40.9	LCS	F	0 - 30
LFB	Fenamiphos	14.2	LCS	P	0 - 91
LFB	Fenbuconazole	27.1	LCS	P	0 - 36
LFB	Fipronil	17.8	LCS	P	0 - 32
LFB	Fipronil Desulfinyl	8.14	LCS	P	0 - 23
LFB	Fipronil Sulfide	22.5	LCS	P	0 - 31
LFB	Fipronil Sulfone	22.9	LCS	P	0 - 32
LFB	Fluazifop-P-butyl	0.426	LCS	P	0 - 23
LFB	Fludioxonil	3.30	LCS	P	0 - 23
LFB	Flumioxazin	6.69	LCS	P	0 - 39
LFB	Flutolanil	10.8	LCS	P	0 - 27
LFB	Fluxapyroxad	13.8	LCS	P	0 - 38
LFB	Fonofos	1.18	LCS	P	0 - 28
LFB	Hexazinone	10.2	LCS	P	0 - 63
LFB	Imazalil	11.2	LCS	P	0 - 58
LFB	Iprodione	10.7	LCS	P	0 - 42
LFB	Loratadine	25.0	LCS	P	0 - 30
LFB	Malathion	13.7	LCS	P	0 - 23
LFB	Metalaxyl	9.03	LCS	P	0 - 100
LFB	Metolachlor	4.53	LCS	P	0 - 27
LFB	Metribuzin	3.81	LCS	P	0 - 79
LFB	Mevinphos	17.4	LCS	P	0 - 58
LFB	Molinate	41.3	LCS	P	0 - 42
LFB	Myclobutanil	3.24	LCS	P	0 - 27
LFB	Naled	22.8	LCS	P	0 - 32
LFB	Napropamide	14.2	LCS	P	0 - 30
LFB	Norflurazon	5.98	LCS	P	0 - 25
LFB	Octinoxate	1.20	LCS	P	0 - 30
LFB	Oxadiazon	1.04	LCS	P	0 - 30
LFB	Oxybenzone	0.711	LCS	P	0 - 30
LFB	Oxyfluorfen	1.99	LCS	P	0 - 22
LFB	Parathion Ethyl	1.51	LCS	P	0 - 32
LFB	Parathion Methyl	9.10	LCS	P	0 - 30
LFB	Pendimethalin	11.4	LCS	P	0 - 39
LFB	Phenytoin	25.8	LCS	P	0 - 30
LFB	Phorate	7.84	LCS	P	0 - 41
LFB	Prodiamine	20.5	LCS	P	0 - 70
LFB	Prometon	7.89	LCS	P	0 - 47
LFB	Prometryn	8.04	LCS	P	0 - 30
LFB	Pronamide	0.911	LCS	P	0 - 25
LFB	Propanil	4.96	LCS	P	0 - 30
LFB	Propargite	28.8	LCS	P	0 - 30
LFB	Propiconazole	14.6	LCS	P	0 - 25
LFB	Pyraflufen Ethyl	2.30	LCS	P	0 - 30
LFB	Pyridaben	11.4	LCS	P	0 - 30

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P414025

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
LFB	Pyriproxyfen	20.1	LCS	P	0 - 53
LFB	Simazine	1.22	LCS	P	0 - 25
LFB	Stirophos	26.1	LCS	P	0 - 30
LFB	Sulfentrazone	9.82	LCS	P	0 - 45
LFB	Tebuconazole	45.8	LCS	P	0 - 51
LFB	Terbufos	2.44	LCS	P	0 - 36
LFB	Terbuthylazine	1.74	LCS	P	0 - 24
LFB	Thiobencarb	0.493	LCS	P	0 - 30
LFB	Triadimefon	1.13	LCS	P	0 - 30

Reference Method: SM 2320 B-2011
Batch ID: P413854

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2323905	Total Alkalinity	2.60	Sample	P	0 - 3.8

Reference Method: SM 2540 C-2011
Batch ID: P414209

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2326039	TDS	5.88	Sample	P	0 - 10

Reference Method: SM 4500-F- C-2011
Batch ID: P413859

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2323905	Fluoride	0.0	Spike	P	0 - 1.6

Reference Method: SM 5310 B-2011
Batch ID: P413818

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325686	Organic Carbon	3.79	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P413969

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2326583	Organic Carbon	0.507	Spike	P	0 - 20

Reference Method: SM 5310 B-2011
Batch ID: P413970

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2325861	Organic Carbon	2.06	Spike	P	0 - 20

Quality Assurance Report Precision

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

Quality Assurance Report Surrogates

Lab Sample ID: 2325869
Field Sample ID: G2SD0047

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	73.3	P	20 - 200
EPA 8270E	Simazine-d10	105	P	71 - 140
EPA 8270E	Terbufos-d10	72.4	P	62 - 131
EPA 8270E	Terphenyl-d14	88.3	P	52 - 141

Lab Sample ID: 2325870
Field Sample ID: G1SD0118

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	67.5	P	20 - 200
EPA 8270E	Simazine-d10	102	P	71 - 140
EPA 8270E	Terbufos-d10	79.3	P	62 - 131
EPA 8270E	Terphenyl-d14	79.1	P	52 - 141

Quality Assurance Report Calibration Verification

Reference Method: DEP SOP: NU-094-1

Run ID: A112036

Included Lab Sample IDs: 2325862

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	102	101	P/P	85 - 115

Reference Method: EPA 180.1 Rev. 2.0

Run ID: A112037

Included Lab Sample IDs: 2325858, 2325860, 2325862

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

Reference Method: EPA 353.2 Rev. 2.0

Run ID: A112081

Included Lab Sample IDs: 2325859, 2325861, 2325863

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	97.5	98.0	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A112125

Included Lab Sample IDs: 2325859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.6	91.8	P/P	90 - 110

Reference Method: SM 2320 B-2011

Run ID: A112155

Included Lab Sample IDs: 2325858, 2325860, 2325862

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Total Alkalinity	96.5	98.8	P/P	90 - 110
Total Alkalinity	97.7	96.5	P/P	90 - 110

Reference Method: SM 4500-F- C-2011

Run ID: A112155

Included Lab Sample IDs: 2325858, 2325860, 2325862

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

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A112198

Included Lab Sample IDs: 2325862

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A112204

Included Lab Sample IDs: 2325859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	98.1	98.8	P/P	90 - 110

Reference Method: SM 5310 B-2011

Run ID: A112207

Included Lab Sample IDs: 2325861, 2325863

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Organic Carbon	97.6	97.8	P/P	90 - 110
Organic Carbon	97.8	97.2	P/P	90 - 110

Reference Method: EPA 350.1 Rev. 2.0

Run ID: A112261

Included Lab Sample IDs: 2325861, 2325863

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Ammonia-N	97.5	97.8	P/P	90 - 110
Ammonia-N	97.7	98.7	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A112285

Included Lab Sample IDs: 2325861

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

Reference Method: EPA 365.1 Rev. 2.0

Run ID: A112297

Included Lab Sample IDs: 2325859, 2325863

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

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A112314

Included Lab Sample IDs: 2325863

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	95.6	98.6	P/P	90 - 110

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A112349

Included Lab Sample IDs: 2325859

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	97.8	99.4	P/P	90 - 110

Reference Method: EPA 8270E

Run ID: A112393

Included Lab Sample IDs: 2325869, 2325870

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

Reference Method: EPA 8270E

Run ID: A112393

Included Lab Sample IDs: 2325869, 2325870

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Avobenzone	105		P	80 - 120
Octinoxate	97.4		P	80 - 120
Oxybenzone	94.9		P	80 - 120

Reference Method: EPA 8270E

Run ID: A112410

Included Lab Sample IDs: 2325869, 2325870

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Acetochlor	101		P	80 - 120
Alachlor	98.2		P	80 - 120
Ametryn	95.3		P	80 - 120
Atrazine	94.2		P	80 - 120
Atrazine Desethyl	111		P	80 - 120
Azinphos Methyl	113		P	80 - 120
Azoxystrobin	96.5		P	80 - 120
Bromacil	95.9		P	80 - 120
Butylate	94.4		P	80 - 120
Caffeine	92.6		P	80 - 120
Carbophenothion	108		P	80 - 120
Carfentrazone Ethyl	106		P	80 - 120
Chlorfenapyr	111		P	80 - 120
Chlorpyrifos Ethyl	108		P	80 - 120
Chlorpyrifos Methyl	107		P	80 - 120
Coumaphos	113		P	80 - 120
Cyanazine	102		P	80 - 120
Cyprodinil	100		P	80 - 120
Demeton	112		P	80 - 120
Diazinon	99.1		P	80 - 120
Difenoconazole	116		P	80 - 120
Dimethenamid	101		P	80 - 120
Dimethomorph	95.7		P	80 - 120
Disulfoton	104		P	80 - 120
Dithiopyr	100		P	80 - 120
EPTC	102		P	80 - 120
Ethion	114		P	80 - 120
Ethoprop	111		P	80 - 120
Etridiazole	99.0		P	80 - 120
Fenamiphos	112		P	80 - 120
Fenbuconazole	101		P	80 - 120
Fipronil	107		P	80 - 120
Fipronil Desulfinyl	108		P	80 - 120
Fipronil Sulfide	115		P	80 - 120
Fipronil Sulfone	106		P	80 - 120
Fluazifop-P-butyl	114		P	80 - 120
Fludioxonil	108		P	80 - 120
Flumioxazin	107		P	80 - 120
Flutolanil	97.4		P	80 - 120
Fluxapyroxad	95.4		P	80 - 120
Fonofos	110		P	80 - 120
Hexazinone	99.3		P	80 - 120

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E

Run ID: A112410

Included Lab Sample IDs: 2325869, 2325870

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Imazalil	113		P	80 - 120
Iprodione	111		P	80 - 120
Loratadine	97.3		P	80 - 120
Malathion	109		P	80 - 120
Metalaxyl	90.3		P	80 - 120
Metolachlor	97.4		P	80 - 120
Metribuzin	100		P	80 - 120
Mevinphos	119		P	80 - 120
Molinate	98.2		P	80 - 120
Myclobutanil	112		P	80 - 120
Naled	117		P	80 - 120
Napropamide	109		P	80 - 120
Norflurazon	98.4		P	80 - 120
Oxadiazon	101		P	80 - 120
Oxyfluorfen	108		P	80 - 120
Parathion Ethyl	97.9		P	80 - 120
Parathion Methyl	95.1		P	80 - 120
Pendimethalin	89.3		P	80 - 120
Phenytoin	119		P	80 - 120
Phorate	111		P	80 - 120
Prodiamine	111		P	80 - 120
Prometon	97.4		P	80 - 120
Prometryn	94.7		P	80 - 120
Pronamide	93.9		P	80 - 120
Propanil	100		P	80 - 120
Propargite	105		P	80 - 120
Propiconazole	94.7		P	80 - 120
Pyraflufen Ethyl	99.0		P	80 - 120
Pyridaben	113		P	80 - 120
Pyriproxyfen	97.1		P	80 - 120
Simazine	113		P	80 - 120
Stirophos	107		P	80 - 120
Sulfentrazone	109		P	80 - 120
Tebuconazole	109		P	80 - 120
Terbufos	110		P	80 - 120
Terbuthylazine	101		P	80 - 120
Thiobencarb	91.2		P	80 - 120
Triadimefon	96.7		P	80 - 120

Reference Method: EPA 8270E

Run ID: A112415

Included Lab Sample IDs: 2325870

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Atrazine	101		P	80 - 120

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A112419

Included Lab Sample IDs: 2325861

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

Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0

Run ID: A112419

Included Lab Sample IDs: 2325861

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Kjeldahl Nitrogen	107	102	P/P	90 - 110

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

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

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	MS
							SMP	
DEP SOP: NU-094-1	Color (true)	100					0.358	
EPA 180.1 Rev. 2.0	Turbidity	97.1					3.65	
EPA 300.0 Rev. 2.1	Chloride	103		100	101		0.233	
	Sulfate	102		95.6	98.9		0.0521	
EPA 350.1 Rev. 2.0	Ammonia-N	97.2		97.0	96.8			0.193
	Ammonia-N	98.8		95.6	97.4			1.72
	Ammonia-N	95.8		95.4	97.0			1.17
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	93.8		106	101			3.85
	Kjeldahl Nitrogen	94.5		95.4	94.4			0.861
	Kjeldahl Nitrogen	98.6		104	102			1.67
EPA 353.2 Rev. 2.0	NO2NO3-N	98.5		101	101			0.0
EPA 365.1 Rev. 2.0	Total-P	103		96.0	99.6			3.49
EPA 8270E	Acetochlor	90.7	96.4	104		6.12		
	Alachlor	86.9	82.6	112		5.07		
	Ametryn	90.2	83.6	102		7.56		
	Atrazine	95.2	93.6			1.69		
	Atrazine Desethyl	69.5	67.3	56.5		3.25		
	Avobenzone	121	123	112		2.09		
	Azinphos Methyl	104	106	92.5		1.40		
	Azoxystrobin	101	109	126		6.94		
	Bromacil	74.2	71.5	92.6		3.65		
	Butylate	43.8	60.7	33.7		32.4		
	Caffeine	59.0	70.5	68.6		17.7		
	Carbophenothion	82.8	94.4	82.9		13.0		
	Carfentrazone Ethyl	80.9	97.0	80.9		18.1		
	Chlorfenapyr	78.9	93.5	63.1		17.0		
	Chlorpyrifos Ethyl	78.1	94.2	73.2		18.7		
	Chlorpyrifos Methyl	94.8	95.0	85.6		0.209		
	Coumaphos	84.1	111	88.2		28.0		
	Cyanazine	88.7	96.9	84.9		8.90		
	Cyprodinil	83.5	90.3	90.2		7.79		
	Demeton	71.3	69.9	80.5		1.94		
	Diazinon	92.5	89.8	93.9		3.03		
	Difenoconazole	124	131	137		6.12		
	Dimethenamid	73.3	75.4	76.5		2.86		
	Dimethomorph	101	86.9	121		15.1		
	Disulfoton	79.4	87.8	80.4		10.0		
	Dithiopyr	78.3	85.7	23.2		8.95		
	EPTC	29.5	50.5	30.4		52.4		
	Ethion	58.2	84.6	42.3		36.9		
	Ethoprop	73.7	84.5	85.5		13.7		
	Etridiazole	35.2	53.3	48.6		40.9		
	Fenamiphos	83.9	96.7	44.9		14.2		
	Fenbuconazole	69.7	91.6	88.9		27.1		
	Fipronil	83.8	100	81.8		17.8		
	Fipronil Desulfinyl	103	112	98.6		8.14		
	Fipronil Sulfide	82.0	103	65.0		22.5		
	Fipronil Sulfone	72.8	91.6	60.7		22.9		
	Fluazifop-P-butyl	112	113	89.8		0.426		
	Fludioxonil	92.1	95.2	81.0		3.30		
	Flumioxazin	139	130	127		6.69		
	Flutolanil	74.7	83.2	62.3		10.8		
	Fluxapyroxad	70.3	80.7	70.9		13.8		
	Fonofos	83.0	84.0	78.3		1.18		

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery		MS % Recovery		LCS	Precision	
							SMP	MS
EPA 8270E	Hexazinone	79.0	87.4	83.9		10.2		
	Imazalil	66.6	74.4	77.4		11.2		
	Iprodione	80.1	89.1	71.2		10.7		
	Loratadine	89.6	69.7	103		25.0		
	Malathion	103	118	76.7		13.7		
	Metalaxyl	81.5	89.2	78.7		9.03		
	Metolachlor	81.5	85.3	77.7		4.53		
	Metribuzin	98.9	95.2	92.4		3.81		
	Mevinphos	83.4	99.3	90.6		17.4		
	Molinate	45.9	69.8	57.5		41.3		
	Myclobutanil	86.0	88.8	72.8		3.24		
	Naled	72.5	91.1	86.0		22.8		
	Napropamide	73.5	84.7	55.3		14.2		
	Norflurazon	108	115	67.2		5.98		
	Octinoxate	97.0	98.1	98.3		1.20		
	Oxadiazon	74.5	75.3	63.0		1.04		
	Oxybenzone	87.7	88.3	79.9		0.711		
	Oxyfluorfen	102	104	101		1.99		
	Parathion Ethyl	85.0	86.3	82.7		1.51		
	Parathion Methyl	108	98.7	113		9.10		
	Pendimethalin	82.6	73.7	93.4		11.4		
	Phenytol	27.0	35.1	38.2		25.8		
	Phorate	83.0	76.7	78.3		7.84		
	Prodiamine	49.3	40.2	49.6		20.5		
	Prometon	72.7	78.7	69.3		7.89		
	Prometryn	81.6	88.4	44.2		8.04		
	Pronamide	94.1	95.0	93.4		0.911		
	Propanil	128	135	119		4.96		
	Propargite	50.7	67.7	45.1		28.8		
	Propiconazole	103	119	64.5		14.6		
	Pyraflufen Ethyl	109	106	67.3		2.30		
	Pyridaben	124	138	107		11.4		
	Pyriproxyfen	67.7	82.9	73.0		20.1		
	Simazine	102	103			1.22		
	Stirophos	67.5	87.8	20.1		26.1		
	Sulfentrazone	53.5	59.0	55.9		9.82		
	Tebuconazole	35.5	56.6	30.0		45.8		
	Terbufos	98.6	101	95.6		2.44		
	Terbuthylazine	90.1	88.5	91.0		1.74		
	Thiobencarb	76.1	75.7	58.9		0.493		
	Triadimefon	80.4	79.5	58.2		1.13		
SM 2320 B-2011	Total Alkalinity	98.0					2.60	
SM 2540 C-2011	TDS						5.88	
SM 4500-F- C-2011	Fluoride	99.3		98.4	98.4			0.0
SM 5310 B-2011	Organic Carbon	97.2		90.2	93.8			3.79
	Organic Carbon	99.6		97.5	98.2			0.507
	Organic Carbon	99.1		96.4	93.6			2.06

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2325862
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2325858, 2325860, 2325862

Reference Method Descriptions

Method	Description	Associated Samples
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2325862
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2325862
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2325859, 2325861, 2325863
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2325859, 2325861, 2325863
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2325859, 2325861, 2325863
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2325859, 2325861, 2325863
EPA 8270E	Analysis of Sunscreen Compounds in Water by GC/MS-SIM	2325869, 2325870
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2325869, 2325870
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO ₃ /L	2325858, 2325860, 2325862
SM 2540 C-2011	Total Dissolved Solids in aqueous matrices	2325862
SM 2540 D-2011	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2325858, 2325860, 2325862
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2325858, 2325860, 2325862
SM 5310 B-2011	Nonpurgeable Organic Carbon in aqueous matrices	2325859, 2325861, 2325863

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	05/10/2022			05/10/2022 16:38	Samantha L Bates	2325862
EPA 180.1 Rev. 2.0	05/10/2022			05/10/2022 15:07	Khloe J Berg	2325858
	05/10/2022			05/10/2022 15:09	Khloe J Berg	2325860
	05/10/2022			05/10/2022 15:10	Khloe J Berg	2325862
EPA 300.0 Rev. 2.1	05/10/2022			05/17/2022 11:18	Anna M. Plaviak	2325862
EPA 350.1 Rev. 2.0	05/10/2022			05/17/2022 12:40	Ping Hua	2325859
	05/10/2022			05/19/2022 11:27	Ping Hua	2325863
	05/10/2022			05/19/2022 12:58	Ping Hua	2325861
EPA 351.2 Rev. 2.0	05/10/2022	05/19/2022 15:12	Samantha L Bates	05/20/2022 14:36	Samantha L Bates	2325863
	05/10/2022	05/20/2022 08:33	Samantha L Bates	05/23/2022 14:57	Alexandra J Mattheus	2325859
	05/10/2022	05/24/2022 09:04	Samantha L Bates	05/25/2022 11:23	Alexandra J Mattheus	2325861
EPA 353.2 Rev. 2.0	05/10/2022			05/11/2022 16:46	Nathaniel J Jones	2325859
	05/10/2022			05/11/2022 16:47	Nathaniel J Jones	2325861
	05/10/2022			05/11/2022 16:48	Nathaniel J Jones	2325863
EPA 365.1 Rev. 2.0	05/10/2022	05/18/2022 16:09	Simonne.V. Calhoun	05/19/2022 18:07	Sarah A Nixon	2325861
	05/10/2022	05/18/2022 16:09	Simonne.V. Calhoun	05/20/2022 15:17	James L Waggeberby	2325859
	05/10/2022	05/18/2022 16:09	Simonne.V. Calhoun	05/20/2022 15:18	James L Waggeberby	2325863
EPA 8270E	05/10/2022	05/16/2022 08:00	Rasheda Ghaffari	05/19/2022 18:18	Vandana T. Nagar	2325869
	05/10/2022	05/16/2022 08:00	Rasheda Ghaffari	05/19/2022 18:45	Vandana T. Nagar	2325870
	05/10/2022	05/16/2022 08:00	Rasheda Ghaffari	05/24/2022 22:23	Arthur Maknenko	2325869
	05/10/2022	05/16/2022 08:00	Rasheda Ghaffari	05/24/2022 22:47	Arthur Maknenko	2325870
	05/10/2022	05/16/2022 08:00	Rasheda Ghaffari	05/24/2022 23:04	Vandana T. Nagar	2325870
SM 2320 B-2011	05/10/2022			05/14/2022 11:11	Dale L. Simmons	2325860
	05/10/2022			05/14/2022 11:26	Dale L. Simmons	2325862
	05/10/2022			05/14/2022 13:39	Dale L. Simmons	2325858
SM 2540 C-2011	05/10/2022			05/13/2022 15:08	Yijie Li	2325862
SM 2540 D-2011	05/10/2022			05/13/2022 15:08	Yijie Li	2325858, 2325860, 2325862
SM 4500-F- C-2011	05/10/2022			05/14/2022 08:59	Dale L. Simmons	2325860
	05/10/2022			05/14/2022 09:04	Dale L. Simmons	2325862
	05/10/2022			05/14/2022 10:13	Dale L. Simmons	2325858
SM 5310 B-2011	05/10/2022			05/12/2022 16:33	Khloe J Berg	2325859
	05/10/2022			05/17/2022 00:56	Khloe J Berg	2325863
	05/10/2022			05/17/2022 05:32	Khloe J Berg	2325861