

Chemical Analysis Report

NE-DIST-2024-04-16-01

Florida DEP Laboratory
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Tallahassee, FL 32399-2400
DOH Accreditation E31780

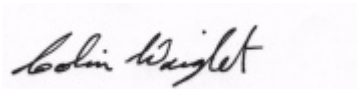
Event Description: **SCI SMP**
Request ID: **RQ-2024-04-01-26**
Customer: **NE-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
8800 Baymeadows Way West
Suite 100
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Certified by: Colin Wright, Program Administrator

Date Certified: 09-MAY-2024 13:17

A handwritten signature in black ink, appearing to read "Colin Wright", is displayed on a light pink rectangular background.

Case Narrative

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

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

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

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

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

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

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

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

Precision is reported as relative percent difference unless otherwise noted.

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

QC Codes used in this report may include:

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

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

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

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

Sample Location: PUNCHEON ABOVE POINT MEADOWS DR

Collection Date/Time: 04/15/2024 09:20

Field ID: G2NE1181

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482396	DEP SOP: NU-094-1	Color (true)	70		PCU	P444311	
	EPA 180.1 Rev. 2.0	Turbidity	4.6		NTU	P444320	
	EPA 300.0 Rev. 2.1	Chloride	44		mg Cl/L	P444909	
		Sulfate	43		mg SO4/L	P444912	
	SM 2320 B-2011	Total Alkalinity	82		mg CaCO3/L	P444459	RPD
	SM 2540 C-2015	TDS	251		mg/L	P444843	
	SM 2540 D-2015	TSS	4	I	mg/L	P444742	
	SM 4500-F- C-2011	Fluoride	0.073	I	mg F/L	P444461	
2482397	EPA 350.1 Rev. 2.0	Ammonia-N	0.024		mg N/L	P444479	
	EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	0.52		mg N/L	P444426	
	EPA 353.2 Rev. 2.0	NO2NO3-N	0.16		mg N/L	P444717	
	EPA 365.1 Rev. 2.0	Total-P	0.078		mg P/L	P444357	
	SM 5310 B-2014	Organic Carbon	14		mg C/L	P444591	
2482398	EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	0.054		mg P/L	P444316	
2482407	EPA 8321B	Acesulfame K	0.10	U	ug/L	P444285	
		2,4-D	0.14		ug/L	P444166	MS
		2,4,5-T	0.0040	U	ug/L	P444166	
		AMPA	0.10	U	ug/L	P444285	
		Acetaminophen	0.0080	U	ug/L	P444166	
		Acetamiprid	0.0020	U	ug/L	P444166	
		Endothall	0.25	U	ug/L	P444285	
		Glufosinate	0.10	U	ug/L	P444285	
		Glyphosate	0.11	I	ug/L	P444285	
		Afidopyropen	0.0020	U	ug/L	P444166	
		Bentazon	0.12		ug/L	P444166	
		Sucralose	0.67		ug/L	P444285	
		Benzovindiflupyr	0.0020	U	ug/L	P444166	
		Carbamazepine	8.0E-04	U	ug/L	P444166	
		Clothianidin	0.0020	U	ug/L	P444166	
		Dinotefuran	0.0020	U	ug/L	P444166	
		Diuron	0.0037	I	ug/L	P444166	
		Fenuron	0.032	U	ug/L	P444166	
		Fluridone	0.016		ug/L	P444166	
		Imazapyr	0.10		ug/L	P444166	
		Hydrocodone	0.0020	U	ug/L	P444166	
		Ibuprofen	0.080	U	ug/L	P444166	
		Imidacloprid	0.0095		ug/L	P444166	
		Linuron	0.0040	U	ug/L	P444166	
		Mandestrobin	0.0020	U	ug/L	P444166	
		MCPP	0.0020	U	ug/L	P444166	
		Naproxen	0.0080	U	ug/L	P444166	
		Primidone	0.0040	U	ug/L	P444166	
		Pyraclostrobin	0.0020	U	ug/L	P444166	

Field ID: G2NE1181

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482407	EPA 8321B	Silvex	0.0040	U	ug/L	P444166	
		Thiamethoxam	0.0020	U	ug/L	P444166	
		Tolfenpyrad	0.0020	U	ug/L	P444166	
		Triclopyr	0.0040	U	ug/L	P444166	
2482408	EPA 200.7 Rev. 4.4	Calcium	44.6		mg/L	P444352	
		Iron	150		ug/L	P444352	
		Magnesium	8.03		mg/L	P444352	
		Potassium	2.0		mg/L	P444352	
		Sodium	21.7		mg/L	P444352	
		Strontium	452		ug/L	P444352	
		Tin	3.0	U	ug/L	P444352	
		Titanium	0.79	I	ug/L	P444352	
	EPA 200.8 Rev. 5.4	Vanadium	2.0	U	ug/L	P444352	
		Zinc	8.1	I	ug/L	P444352	
		Aluminum	130		ug/L	P444352	
		Antimony	0.063	I	ug/L	P444352	
		Arsenic	0.57		ug/L	P444352	
		Barium	25.6		ug/L	P444352	
		Beryllium	0.010	U	ug/L	P444352	
		Boron	28.9		ug/L	P444352	
		Cadmium	0.020	U	ug/L	P444352	
		Chromium	0.40	U	ug/L	P444352	
		Cobalt	0.105		ug/L	P444352	
		Copper	2.48		ug/L	P444352	
		Lead	0.20	U	ug/L	P444352	
		Manganese	12.9		ug/L	P444352	
		Molybdenum	0.15	U	ug/L	P444352	
		Nickel	0.50	U	ug/L	P444352	
		Selenium	0.20	U	ug/L	P444352	
		Silver	0.010	U	ug/L	P444352	
		Thallium	0.10	U	ug/L	P444352	
	SM 2340 B-2011	Hardness	144		mg/L	P444352	
2482411	EPA 8270E	Oxybenzone**	11	U	ng/L	P444295	MS, RPD
		Acetochlor	0.21	U	ng/L	P444295	
		Octinoxate**	160	U	ng/L	P444295	
		Alachlor	0.43	U	ng/L	P444295	
		Avobenzone**	110	U	ng/L	P444295	
		Ametryn	1.2	U	ng/L	P444295	
		Atrazine	57		ng/L	P444295	
		PBDE-47**	4.3	U	ng/L	P444295	
		Atrazine Desethyl	5.5	I	ng/L	P444295	
		PBDE-99**	5.3	U	ng/L	P444295	
		Azinphos Methyl	3.2	U	ng/L	P444295	
		Tri-o-cresyl Phosphate**	6.4	U	ng/L	P444295	
		Azoxystrobin	0.98	I	ng/L	P444295	

Field ID: G2NE1181

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482411	EPA 8270E	Bromacil	0.64	U	ng/L	P444295	
		2-Ethylhexyl	13	U	ng/L	P444295	
		2,3,4,5-tetrabromobenzoate (EHTBB)**					
		Butylate	0.48	U	ng/L	P444295	
		Dechlorane Plus**	32	U	ng/L	P444295	
		Caffeine**	16	I	ng/L	P444295	
		Dechlorane 602**	5.3	U	ng/L	P444295	
		Carbophenothion	0.53	U	ng/L	P444295	
		Dechlorane 603**	4.3	U	ng/L	P444295	
		Carfentrazone Ethyl	0.16	U	ng/L	P444295	
		Hexabromobenzene**	6.4	U	ng/L	P444295	MS
		Chlorfenapyr	0.32	U	ng/L	P444295	
		PBB-153**	6.4	U	ng/L	P444295	
		Chlorpyrifos Ethyl	0.32	U	ng/L	P444295	
		Pentabromotoluene**	3.2	U	ng/L	P444295	MS, RPD
		Chlorpyrifos Methyl	0.11	U	ng/L	P444295	
		Tris(2-chloroethyl) phosphate (TCEP)**	59	U	ng/L	P444295	MS, RPD
		Coumaphos	1.1	U	ng/L	P444295	
		Tris(1-chloro-2-propyl) phosphate (TCPP)**	93		ng/L	P444295	MS, RPD
		Cyanazine	5.3	U	ng/L	P444295	
		Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)**	4.2	I J	ng/L	P444295	LCS, MS, RPD
		Cyprodinil	0.21	U	ng/L	P444295	
		Tetradecachloro-m-terphenyl**	8.0	U	ng/L	P444295	
		Demeton	3.7	U	ng/L	P444295	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)**	64	U	ng/L	P444295	
		Diazinon	0.13	U	ng/L	P444295	
		Difenoconazole	0.64	U	ng/L	P444295	
		Dimethenamid	0.11	U	ng/L	P444295	
		Dimethomorph	0.32	U	ng/L	P444295	
		Disulfoton	0.64	U	ng/L	P444295	
		Dithiopyr	1.1	U	ng/L	P444295	
		EPTC	0.53	U	ng/L	P444295	
		Ethion	0.32	U	ng/L	P444295	
		Ethoprop	0.13	U	ng/L	P444295	
		Etridiazole	0.11	U	ng/L	P444295	
		Fenamiphos	0.48	U	ng/L	P444295	
		Fenbuconazole	0.53	U	ng/L	P444295	
		Fipronil	2.5		ng/L	P444295	
		Fipronil Desulfinyl**	0.81		ng/L	P444295	
		Fipronil Sulfide	3.0		ng/L	P444295	
		Fipronil Sulfone	3.3		ng/L	P444295	
		Fluazifop-P-butyl	0.11	U	ng/L	P444295	
		Fludioxonil	0.11	U	ng/L	P444295	
		Flumioxazin	10	I	ng/L	P444295	

Field ID: G2NE1181

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2482411	EPA 8270E	Flutolanil	0.51	I	ng/L	P444295	
		Fluxapyroxad	0.27	U	ng/L	P444295	
		Fonofos	0.16	U	ng/L	P444295	
		Hexazinone	0.53	U	ng/L	P444295	
		Imazalil	0.69	U	ng/L	P444295	
		Iprodione	0.53	U	ng/L	P444295	
		Loratadine**	0.32	U	ng/L	P444295	
		Malathion	0.37	U	ng/L	P444295	
		Metalaxyl	0.53	U	ng/L	P444295	
		Metolachlor	2.9	I	ng/L	P444295	
		Metribuzin	0.43	U	ng/L	P444295	
		Mevinphos	1.1	U	ng/L	P444295	
		Molinate	0.27	U	ng/L	P444295	
		Myclobutanil	8.1		ng/L	P444295	
		Naled	2.7	U	ng/L	P444295	
		Napropamide	0.74	U	ng/L	P444295	
		Norflurazon	1.1	U	ng/L	P444295	
		Oxadiazon	29		ng/L	P444295	
		Oxyfluorfen	0.21	U	ng/L	P444295	
		Parathion Ethyl	0.16	U	ng/L	P444295	
		Parathion Methyl	0.21	U	ng/L	P444295	
		Pendimethalin	1.8	U	ng/L	P444295	
		Phenytain**	5.6	U	ng/L	P444295	
		Phorate	0.27	U	ng/L	P444295	
		Prodiamine	0.21	U	ng/L	P444295	
		Prometon	3.2	U	ng/L	P444295	
		Prometryn	0.37	U	ng/L	P444295	
		Pronamide	14		ng/L	P444295	
		Propanil	0.11	U	ng/L	P444295	
		Propargite	0.85	U	ng/L	P444295	
		Propiconazole	1.2	I	ng/L	P444295	
		Pyraflufen Ethyl	0.32	U	ng/L	P444295	
		Pyridaben	1.5	U	ng/L	P444295	
		Pyriproxyfen	0.27	U	ng/L	P444295	
		Simazine	5.3		ng/L	P444295	
		Stirophos	0.43	U	ng/L	P444295	
		Sulfentrazone	9.1		ng/L	P444295	
		Tebuconazole	1.5	U	ng/L	P444295	
		Terbufos	0.21	U	ng/L	P444295	
		Terbutylazine	0.21	U	ng/L	P444295	
		Thiobencarb	0.53	U	ng/L	P444295	
		Triadimefon	0.16	U	ng/L	P444295	

Field ID: G2NE1181

Matrix: W-SURF-FRH

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

Quality Assurance Report

Method Blank Results

Reference Method: DEP SOP: NU-094-1
Batch ID: P444311

Component	Result	Code	Units
Color (true)	2.5	U	PCU

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

Component	Result	Code	Units
Turbidity	0.10	U	NTU

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P444352

Component	Result	Code	Units
Calcium	0.075	U	mg/L
Iron	30	U	ug/L
Magnesium	0.040	U	mg/L
Potassium	0.30	U	mg/L
Sodium	0.50	U	mg/L
Strontium	2.0	U	ug/L
Tin	3.0	U	ug/L
Titanium	0.75	U	ug/L
Vanadium	2.0	U	ug/L
Zinc	5.0	U	ug/L

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P444352

Component	Result	Code	Units
Aluminum	5.0	U	ug/L
Antimony	0.050	U	ug/L
Arsenic	0.050	U	ug/L
Barium	0.20	U	ug/L
Beryllium	0.010	U	ug/L
Boron	2.0	U	ug/L
Cadmium	0.020	U	ug/L
Chromium	0.95	I	ug/L
Cobalt	0.020	U	ug/L
Copper	0.40	U	ug/L
Lead	0.20	U	ug/L
Manganese	0.10	U	ug/L
Molybdenum	0.15	U	ug/L
Nickel	0.51	I	ug/L
Selenium	0.20	U	ug/L
Silver	0.010	U	ug/L
Thallium	0.10	U	ug/L

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

Component	Result	Code	Units
Chloride	0.20	U	mg Cl/L

Quality Assurance Report

Method Blank Results

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

Component	Result	Code	Units
Sulfate	0.20	U	mg SO4/L

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

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

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

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444717

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

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

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444316

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

Reference Method: EPA 8270E
Batch ID: P444295

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P444295

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

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8270E

Batch ID: P444295

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

Reference Method: EPA 8321B

Batch ID: P444166

Component	Result	Code	Units
2,4-D	0.0020	U	ug/L
2,4,5-T	0.0040	U	ug/L
Acetaminophen	0.0080	U	ug/L
Acetamiprid	0.0020	U	ug/L
Afidopyropen	0.0020	U	ug/L
Bentazon	8.0E-04	U	ug/L
Benzovindiflupyr	0.0020	U	ug/L
Carbamazepine	8.0E-04	U	ug/L
Clothianidin	0.0020	U	ug/L
Dinotefuran	0.0020	U	ug/L
Diuron	0.0020	U	ug/L
Fenuron	0.032	U	ug/L
Fluridone	8.0E-04	U	ug/L
Hydrocodone	0.0020	U	ug/L
Ibuprofen	0.080	U	ug/L
Imazapyr	0.0040	U	ug/L
Imidacloprid	0.0020	U	ug/L

Quality Assurance Report

Method Blank Results

Reference Method: EPA 8321B

Batch ID: P444166

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

Reference Method: EPA 8321B

Batch ID: P444285

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

Reference Method: SM 2320 B-2011

Batch ID: P444459

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

Reference Method: SM 2540 C-2015

Batch ID: P444843

Component	Result	Code	Units
TDS	15	U	mg/L

Reference Method: SM 2540 D-2015

Batch ID: P444742

Component	Result	Code	Units
TSS	2	U	mg/L

Reference Method: SM 4500-F- C-2011

Batch ID: P444461

Component	Result	Code	Units
Fluoride	0.025	U	mg F/L

Reference Method: SM 5310 B-2014

Batch ID: P444591

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

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: DEP SOP: NU-094-1
Batch ID: P444311

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Color (true)	98.0		P	90 - 110

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

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P444352

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Calcium	106		P	85 - 115
Iron	110		P	85 - 115
Magnesium	112		P	85 - 115
Potassium	103		P	85 - 115
Sodium	104		P	85 - 115
Strontium	98.8		P	85 - 115
Tin	97.2		P	85 - 115
Titanium	100		P	85 - 115
Vanadium	99.8		P	85 - 115
Zinc	98.4		P	85 - 115

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P444352

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Aluminum	106		P	85 - 115
Antimony	107		P	85 - 115
Arsenic	103		P	85 - 115
Barium	108		P	85 - 115
Beryllium	97.6		P	85 - 115
Boron	110		P	85 - 115
Cadmium	105		P	85 - 115
Chromium	107		P	85 - 115
Cobalt	105		P	85 - 115
Copper	101		P	85 - 115
Lead	104		P	85 - 115
Manganese	109		P	85 - 115
Molybdenum	104		P	85 - 115
Nickel	103		P	85 - 115
Selenium	103		P	85 - 115
Silver	111		P	85 - 115
Thallium	104		P	85 - 115

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

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

Quality Assurance Report
Laboratory Control Sample Accuracy

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

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

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

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

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

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444717

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: P444357

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444316

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

Reference Method: EPA 8270E
Batch ID: P444295

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	89.9		P	50 - 150
2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	73.5		P	37 - 154
Acetochlor	65.8		P	64 - 124
Alachlor	62.4		P	61 - 118
Ametryn	61.7		P	47 - 158
Atrazine	68.3		P	68 - 121
Atrazine Desethyl	76.3		P	30 - 119
Avobenzone	97.5		P	48 - 193
Azinphos Methyl	84.4		P	30 - 194
Azoxystrobin	78.9		P	58 - 154
Bromacil	70.3		P	47 - 126
Butylate	53.3		P	31 - 83.0
Caffeine	72.7		P	10 - 180
Carbophenothion	72.6		P	59 - 133
Carfentrazone Ethyl	71.9		P	59 - 147
Chlorfenapyr	66.0		P	52 - 118

Quality Assurance Report

Laboratory Control Sample Accuracy

Reference Method: EPA 8270E

Batch ID: P444295

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorpyrifos Ethyl	62.0		P	59 - 119
Chlorpyrifos Methyl	76.6		P	65 - 123
Coumaphos	127		P	11 - 223
Cyanazine	92.3		P	63 - 250
Cyprodinil	65.9		P	52 - 143
Dechlorane 602	50.1		P	23 - 142
Dechlorane 603	73.6		P	51 - 171
Dechlorane Plus	79.2		P	46 - 161
Demeton	64.8		P	42 - 119
Diazinon	81.5		P	67 - 132
Difenoconazole	155		P	12 - 204
Dimethenamid	71.8		P	53 - 113
Dimethomorph	191		P	13 - 238
Disulfoton	71.9		P	56 - 126
Dithiopyr	74.4		P	58 - 127
EPTC	50.3		P	31 - 78.0
Ethion	64.9		P	24 - 127
Ethoprop	76.8		P	60 - 118
Etridiazole	58.1		P	32 - 91.0
Fenamiphos	66.6		P	54 - 129
Fenbuconazole	32.7		P	31 - 162
Fipronil	68.1		P	56 - 131
Fipronil Desulfinyl	72.6		P	58 - 132
Fipronil Sulfide	71.9		P	51 - 123
Fipronil Sulfone	74.4		P	50 - 125
Fluazifop-P-butyl	78.7		P	52 - 132
Fludioxonil	75.8		P	52 - 129
Flumioxazin	144		P	34 - 250
Flutolanil	68.5		P	45 - 128
Fluxapyroxad	72.2		P	31 - 150
Fonofos	73.8		P	60 - 116
Hexabromobenzene	56.7		P	52 - 165
Hexazinone	71.0		P	59 - 120
Imazalil	76.6		P	39 - 134
Iprodione	71.2		P	39 - 243
Loratadine	150		P	10 - 240
Malathion	76.4		P	53 - 145
Metalaxyl	65.9		P	59 - 120
Metolachlor	72.2		P	64 - 122
Metribuzin	66.4		P	33 - 128
Mevinphos	78.5		P	48 - 119
Molinate	64.6		P	42 - 89.0
Myclobutanil	71.1		P	54 - 129
Naled	56.7		P	10 - 138
Napropamide	72.3		P	40 - 122
Norflurazon	76.1		P	49 - 132
Octinoxate	57.8		P	29 - 176
Oxadiazon	71.5		P	50 - 115
Oxybenzone	124		P	45 - 145
Oxyfluorfen	79.8		P	62 - 149
Parathion Ethyl	70.9		P	68 - 119
Parathion Methyl	81.5		P	68 - 147

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8270E
Batch ID: P444295

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
PBB-153	75.5		P	42 - 179
PBDE-47	57.6		P	44 - 141
PBDE-99	57.8		P	36 - 141
Pendimethalin	78.4		P	59 - 158
Pentabromotoluene	119		P	58 - 148
Phenytoin	29.1		P	10 - 151
Phorate	74.3		P	44 - 124
Prodiamine	31.7		P	10 - 136
Prometon	70.6		P	45 - 131
Prometryn	68.8		P	52 - 140
Pronamide	80.0		P	70 - 129
Propanil	83.7		P	54 - 144
Propargite	74.1		P	10 - 191
Propiconazole	62.2		P	49 - 128
Pyraflufen Ethyl	75.0		P	46 - 141
Pyridaben	99.2		P	29 - 198
Pyriproxyfen	91.7		P	33 - 221
Simazine	73.8		P	62 - 119
Stirophos	67.9		P	13 - 144
Sulfentrazone	55.6		P	12 - 152
Tebuconazole	58.6		P	10 - 135
Terbufos	79.4		P	67 - 136
Terbutylazine	79.9		P	66 - 113
Tetradecachloro-m-terphenyl	80.6		P	30 - 235
Thiobencarb	74.1		P	51 - 125
Tri-o-cresyl Phosphate	70.3		P	50 - 150
Triadimefon	66.5		P	57 - 118
Tris(1-chloro-2-propyl) phosphate (TCPP)	140		P	60 - 160
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	141		F	66 - 141
Tris(2-chloroethyl) phosphate (TCEP)	158		P	59 - 166

Reference Method: EPA 8321B
Batch ID: P444166

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2,4-D	147		P	40 - 150
2,4,5-T	118		P	40 - 150
Acetaminophen	77.6		P	30 - 150
Acetamiprid	100		P	40 - 150
Afidopyropen	74.2		P	30 - 150
Bentazon	106		P	30 - 150
Benzovindiflupyr	89.3		P	40 - 150
Carbamazepine	78.7		P	40 - 150
Clothianidin	97.1		P	40 - 150
Dinotefuran	113		P	40 - 150
Diuron	70.7		P	40 - 150
Fenuron	101		P	40 - 150
Fluridone	95.1		P	40 - 150
Hydrocodone	98.8		P	40 - 150
Ibuprofen	81.1		P	40 - 150
Imazapyr	101		P	40 - 150
Imidacloprid	96.8		P	40 - 150

Quality Assurance Report
Laboratory Control Sample Accuracy

Reference Method: EPA 8321B
Batch ID: P444166

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Linuron	70.1		P	40 - 150
Mandestrobin	94.4		P	40 - 150
MCPPP	135		P	40 - 150
Naproxen	76.7		P	40 - 150
Primidone	86.2		P	40 - 150
Pyraclostrobin	82.4		P	40 - 150
Silvex	107		P	40 - 150
Thiamethoxam	95.5		P	40 - 150
Tolfenpyrad	60.0		P	30 - 150
Triclopyr	113		P	40 - 150

Reference Method: EPA 8321B
Batch ID: P444285

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

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

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

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

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

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

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

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

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

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

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

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P444352

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482559	Calcium	103		P	80 - 120
2482559	Iron	109	110	P/P	80 - 120
2482559	Magnesium	110	110	P/P	80 - 120
2482559	Potassium	103	101	P/P	80 - 120
2482559	Sodium	101		P	80 - 120
2482559	Strontium	96.8	96.1	P/P	80 - 120
2482559	Tin	95.5	95.8	P/P	80 - 120
2482559	Titanium	101	100	P/P	80 - 120
2482559	Vanadium	99.7	99.8	P/P	80 - 120
2482559	Zinc	99.7	99.3	P/P	80 - 120
2482698	Calcium	104		P	80 - 120
2482698	Iron	108		P	80 - 120
2482698	Magnesium	109		P	80 - 120
2482698	Potassium	100		P	80 - 120
2482698	Sodium	102		P	80 - 120
2482698	Strontium	97.6		P	80 - 120
2482698	Tin	94.9		P	80 - 120
2482698	Titanium	96.2		P	80 - 120
2482698	Vanadium	100		P	80 - 120
2482698	Zinc	98.5		P	80 - 120

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P444352

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482559	Aluminum	103	103	P/P	80 - 120
2482559	Antimony	106	107	P/P	80 - 120
2482559	Arsenic	103	102	P/P	80 - 120
2482559	Barium	106	106	P/P	80 - 120
2482559	Beryllium	96.7	96.3	P/P	80 - 120
2482559	Boron	107	106	P/P	80 - 120
2482559	Cadmium	103	105	P/P	80 - 120
2482559	Chromium	104	104	P/P	80 - 120
2482559	Cobalt	102	102	P/P	80 - 120
2482559	Copper	101	99.9	P/P	80 - 120
2482559	Lead	104	105	P/P	80 - 120
2482559	Manganese	106	106	P/P	80 - 120
2482559	Molybdenum	105	104	P/P	80 - 120
2482559	Nickel	99.1	99.5	P/P	80 - 120
2482559	Selenium	103	101	P/P	80 - 120
2482559	Silver	107	106	P/P	80 - 120
2482559	Thallium	105	105	P/P	80 - 120
2482698	Aluminum	104		P	80 - 120
2482698	Antimony	107		P	80 - 120
2482698	Arsenic	103		P	80 - 120
2482698	Barium	108		P	80 - 120
2482698	Beryllium	99.7		P	80 - 120
2482698	Boron	105		P	80 - 120
2482698	Cadmium	105		P	80 - 120
2482698	Chromium	106		P	80 - 120
2482698	Cobalt	104		P	80 - 120
2482698	Copper	99.7		P	80 - 120

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P444352

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482698	Lead	105		P	80 - 120
2482698	Manganese	108		P	80 - 120
2482698	Molybdenum	105		P	80 - 120
2482698	Nickel	103		P	80 - 120
2482698	Selenium	102		P	80 - 120
2482698	Silver	108		P	80 - 120
2482698	Thallium	106		P	80 - 120

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

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

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

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

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

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

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

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444717

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2480574	NO2NO3-N	96.0	99.5	P/P	90 - 110

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

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444316

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482533	O-Phosphate-P	90.9	90.6	P/P	90 - 110

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P444295

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482500	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	63.9	78.7	P/P	50 - 150
2482500	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	80.1	69.3	P/P	29 - 155
2482500	Acetochlor	73.3	79.0	P/P	60 - 124
2482500	Alachlor	60.2	63.1	P/P	54 - 122
2482500	Ametryn	76.7	77.6	P/P	51 - 208
2482500	Atrazine	102	107	P/P	57 - 131
2482500	Atrazine Desethyl	86.5	95.5	P/P	13 - 124
2482500	Avobenzone	106	104	P/P	35 - 187
2482500	Azinphos Methyl	93.1	102	P/P	43 - 276
2482500	Azoxystrobin	88.1	107	P/P	52 - 300
2482500	Bromacil	90.1	102	P/P	44 - 134
2482500	Butylate	47.8	52.3	P/P	23 - 82.0
2482500	Caffeine	107	114	P/P	10 - 277
2482500	Carbophenothion	85.1	89.3	P/P	47 - 135
2482500	Carfentrazone Ethyl	81.0	83.4	P/P	46 - 147
2482500	Chlorfenapyr	69.9	73.9	P/P	43 - 114
2482500	Chlorpyrifos Ethyl	70.6	67.9	P/P	47 - 124
2482500	Chlorpyrifos Methyl	87.2	91.9	P/P	60 - 135
2482500	Coumaphos	148	163	P/P	10 - 222
2482500	Cyanazine	97.1	110	P/P	10 - 257
2482500	Cyprodinil	77.2	81.2	P/P	42 - 148
2482500	Dechlorane 602	44.4	24.4	P/P	14 - 133
2482500	Dechlorane 603	77.6	77.1	P/P	18 - 191
2482500	Dechlorane Plus	69.9	65.9	P/P	23 - 154
2482500	Demeton	77.9	78.1	P/P	41 - 137
2482500	Diazinon	92.5	101	P/P	64 - 139
2482500	Difenoconazole	168	175	P/P	46 - 254
2482500	Dimethenamid	84.2	86.4	P/P	47 - 117
2482500	Dimethomorph	196	222	P/P	14 - 255
2482500	Disulfoton	85.4	91.2	P/P	52 - 130
2482500	Dithiopyr	87.6	91.0	P/P	40 - 121
2482500	EPTC	42.1	42.1	P/P	19 - 78.0
2482500	Ethion	66.2	46.7	P/P	12 - 124
2482500	Ethoprop	80.3	89.1	P/P	68 - 144
2482500	Etridiazole	55.5	56.4	P/P	26 - 96.0
2482500	Fenamiphos	110	127	P/P	41 - 129
2482500	Fenbuconazole	30.1	53.2	P/P	26 - 169
2482500	Fipronil	75.7	83.5	P/P	46 - 145
2482500	Fipronil Desulfinyl	83.3	90.5	P/P	47 - 136
2482500	Fipronil Sulfide	79.7	86.4	P/P	41 - 127
2482500	Fipronil Sulfone	75.8	84.9	P/P	35 - 133
2482500	Fluazifop-P-butyl	84.3	91.6	P/P	46 - 131
2482500	Fludioxonil	72.8	87.3	P/P	51 - 124
2482500	Flumioxazin	205	201	P/P	10 - 289
2482500	Flutolanil	64.7	66.7	P/P	34 - 130
2482500	Fluxapyroxad	73.8	73.6	P/P	10 - 197
2482500	Fonofos	82.1	91.3	P/P	42 - 131
2482500	Hexabromobenzene	67.6	46.1	P/F	47 - 178
2482500	Hexazinone	79.7	81.0	P/P	64 - 125
2482500	Imazalil	76.9	79.0	P/P	37 - 252
2482500	Iprodione	80.1	81.3	P/P	34 - 265
2482500	Loratadine	173	193	P/P	20 - 231

Quality Assurance Report Matrix Spike Accuracy

Reference Method: EPA 8270E

Batch ID: P444295

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2482500	Malathion	86.5	94.8	P/P	34 - 164
2482500	Metolachlor	83.0	91.7	P/P	54 - 125
2482500	Metribuzin	69.7	87.3	P/P	51 - 139
2482500	Mevinphos	77.1	79.1	P/P	46 - 130
2482500	Molinate	60.5	62.0	P/P	39 - 93.0
2482500	Myclobutanil	67.1	74.5	P/P	50 - 130
2482500	Naled	58.4	66.4	P/P	10 - 150
2482500	Napropamide	68.3	66.1	P/P	10 - 109
2482500	Norflurazon	72.6	88.0	P/P	36 - 134
2482500	Octinoxate	63.7	67.0	P/P	18 - 170
2482500	Oxadiazon	81.0	82.7	P/P	43 - 112
2482500	Oxybenzone	116	194	P/F	33 - 154
2482500	Oxyfluorfen	100	110	P/P	62 - 154
2482500	Parathion Ethyl	85.6	94.4	P/P	65 - 120
2482500	Parathion Methyl	91.8	113	P/P	77 - 185
2482500	PBB-153	81.2	85.6	P/P	23 - 193
2482500	PBDE-47	59.4	47.3	P/P	31 - 139
2482500	PBDE-99	56.8	43.9	P/P	24 - 138
2482500	Pendimethalin	108	115	P/P	50 - 146
2482500	Pentabromotoluene	96.8	159	P/F	54 - 152
2482500	Phenytoin	19.8	11.4	P/P	10 - 157
2482500	Phorate	88.2	90.3	P/P	54 - 161
2482500	Prodiamine	38.9	43.3	P/P	29 - 160
2482500	Prometon	76.7	84.8	P/P	38 - 145
2482500	Prometryn	78.8	84.9	P/P	32 - 151
2482500	Pronamide	93.7	103	P/P	61 - 140
2482500	Propanil	87.4	100	P/P	50 - 147
2482500	Propargite	76.5	61.7	P/P	10 - 190
2482500	Propiconazole	63.1	69.4	P/P	30 - 146
2482500	Pyraflufen Ethyl	83.3	85.4	P/P	30 - 147
2482500	Pyridaben	132	128	P/P	15 - 195
2482500	Pyriproxyfen	89.9	83.0	P/P	31 - 218
2482500	Simazine	80.8	90.1	P/P	45 - 139
2482500	Stirophos	73.5	67.1	P/P	10 - 134
2482500	Sulfentrazone	77.2	79.8	P/P	53 - 186
2482500	Tebuconazole	47.8	45.2	P/P	10 - 133
2482500	Terbufos	89.1	95.1	P/P	65 - 151
2482500	Terbutylazine	90.1	99.1	P/P	62 - 117
2482500	Tetradecachloro-m-terphenyl	85.3	108	P/P	10 - 260
2482500	Thiobencarb	81.8	84.7	P/P	48 - 122
2482500	Tri-o-cresyl Phosphate	78.8	83.5	P/P	32 - 151
2482500	Triadimefon	74.3	75.0	P/P	46 - 124
2482500	Tris(1-chloro-2-propyl) phosphate (TCPP)	116	183	P/F	51 - 154
2482500	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	117	180	P/F	59 - 147
2482500	Tris(2-chloroethyl) phosphate (TCEP)	117	203	P/F	65 - 156

Reference Method: EPA 8321B

Batch ID: P444166

Spiked Sample	Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
2481674	2,4-D	157	154	F/F	40 - 150
2481674	2,4,5-T	104	102	P/P	40 - 150

Quality Assurance Report

Matrix Spike Accuracy

Reference Method: EPA 8321B
Batch ID: P444166

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

Reference Method: EPA 8321B
Batch ID: P444285

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

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

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

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

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

Quality Assurance Report Precision

Reference Method: DEP SOP: NU-094-1
Batch ID: P444311

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482333	Color (true)	0.576	Sample	P	0 - 20

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

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

Reference Method: EPA 200.7 Rev. 4.4
Batch ID: P444352

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482559	Calcium	2.53	Spike	P	0 - 20
2482559	Iron	0.934	Spike	P	0 - 20
2482559	Magnesium	0.0368	Spike	P	0 - 20
2482559	Potassium	1.40	Spike	P	0 - 20
2482559	Sodium	2.88	Spike	P	0 - 20
2482559	Strontium	0.799	Spike	P	0 - 20
2482559	Tin	0.318	Spike	P	0 - 20
2482559	Titanium	0.385	Spike	P	0 - 20
2482559	Vanadium	0.0952	Spike	P	0 - 20
2482559	Zinc	0.389	Spike	P	0 - 20

Reference Method: EPA 200.8 Rev. 5.4
Batch ID: P444352

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482559	Aluminum	0.103	Spike	P	0 - 20
2482559	Antimony	0.216	Spike	P	0 - 20
2482559	Arsenic	0.337	Spike	P	0 - 20
2482559	Barium	0.0266	Spike	P	0 - 20
2482559	Beryllium	0.327	Spike	P	0 - 20
2482559	Boron	0.567	Spike	P	0 - 20
2482559	Cadmium	1.33	Spike	P	0 - 20
2482559	Chromium	0.0835	Spike	P	0 - 20
2482559	Cobalt	0.285	Spike	P	0 - 20
2482559	Copper	0.614	Spike	P	0 - 20
2482559	Lead	0.250	Spike	P	0 - 20
2482559	Manganese	0.102	Spike	P	0 - 20
2482559	Molybdenum	1.08	Spike	P	0 - 20
2482559	Nickel	0.390	Spike	P	0 - 20
2482559	Selenium	1.26	Spike	P	0 - 20
2482559	Silver	0.830	Spike	P	0 - 20
2482559	Thallium	0.480	Spike	P	0 - 20

Quality Assurance Report Precision

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

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

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

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

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

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

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

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

Reference Method: EPA 353.2 Rev. 2.0
Batch ID: P444717

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2480574	NO2NO3-N	2.11	Spike	P	0 - 20

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

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

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Batch ID: P444316

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482533	O-Phosphate-P	0.331	Spike	P	0 - 20

Reference Method: EPA 8270E
Batch ID: P444295

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482500	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	20.8	Spike	P	0 - 30
2482500	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	14.5	Spike	P	0 - 35

Quality Assurance Report Precision

Reference Method: EPA 8270E
Batch ID: P444295

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482500	Acetochlor	7.48	Spike	P	0 - 28
2482500	Alachlor	4.72	Spike	P	0 - 30
2482500	Ametryn	1.20	Spike	P	0 - 32
2482500	Atrazine	2.58	Spike	P	0 - 33
2482500	Atrazine Desethyl	9.89	Spike	P	0 - 36
2482500	Avobenzone	1.95	Spike	P	0 - 35
2482500	Azinphos Methyl	8.71	Spike	P	0 - 62
2482500	Azoxystrobin	18.9	Spike	P	0 - 39
2482500	Bromacil	7.15	Spike	P	0 - 33
2482500	Butylate	8.95	Spike	P	0 - 51
2482500	Caffeine	6.36	Spike	P	0 - 100
2482500	Carbophenothion	4.75	Spike	P	0 - 34
2482500	Carfentrazone Ethyl	2.90	Spike	P	0 - 33
2482500	Chlorfenapyr	5.52	Spike	P	0 - 28
2482500	Chlorpyrifos Ethyl	3.91	Spike	P	0 - 31
2482500	Chlorpyrifos Methyl	5.21	Spike	P	0 - 27
2482500	Coumaphos	9.64	Spike	P	0 - 62
2482500	Cyanazine	12.2	Spike	P	0 - 48
2482500	Cyprodinil	4.95	Spike	P	0 - 29
2482500	Dechlorane 602	58.1	Spike	P	0 - 60
2482500	Dechlorane 603	0.613	Spike	P	0 - 40
2482500	Dechlorane Plus	5.95	Spike	P	0 - 38
2482500	Demeton	0.286	Spike	P	0 - 33
2482500	Diazinon	8.39	Spike	P	0 - 32
2482500	Difenoconazole	4.27	Spike	P	0 - 71
2482500	Dimethenamid	2.52	Spike	P	0 - 60
2482500	Dimethomorph	12.2	Spike	P	0 - 61
2482500	Disulfoton	6.54	Spike	P	0 - 30
2482500	Dithiopyr	3.82	Spike	P	0 - 28
2482500	EPTC	0.114	Spike	P	0 - 56
2482500	Ethion	34.6	Spike	P	0 - 79
2482500	Ethoprop	10.3	Spike	P	0 - 31
2482500	Etridiazole	1.66	Spike	P	0 - 43
2482500	Fenamiphos	14.1	Spike	P	0 - 43
2482500	Fenbuconazole	55.5	Spike	P	0 - 79
2482500	Fipronil	8.32	Spike	P	0 - 46
2482500	Fipronil Desulfinyl	5.36	Spike	P	0 - 36
2482500	Fipronil Sulfide	5.49	Spike	P	0 - 34
2482500	Fipronil Sulfone	9.12	Spike	P	0 - 47
2482500	Fluazifop-P-butyl	8.24	Spike	P	0 - 38
2482500	Fludioxonil	18.1	Spike	P	0 - 29
2482500	Flumioxazin	2.15	Spike	P	0 - 63
2482500	Flutolanil	3.18	Spike	P	0 - 36
2482500	Fluxapyroxad	0.223	Spike	P	0 - 65
2482500	Fonofos	10.5	Spike	P	0 - 35
2482500	Hexabromobenzene	38.0	Spike	P	0 - 41
2482500	Hexazinone	1.61	Spike	P	0 - 31
2482500	Imazalil	2.59	Spike	P	0 - 52
2482500	Iprodione	1.51	Spike	P	0 - 49
2482500	Loratadine	10.6	Spike	P	0 - 59
2482500	Malathion	9.07	Spike	P	0 - 77

Quality Assurance Report Precision

Reference Method: EPA 8270E

Batch ID: P444295

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2482500	Metalaxyl	2.49	Spike	P	0 - 76
2482500	Metolachlor	9.93	Spike	P	0 - 29
2482500	Metribuzin	22.5	Spike	P	0 - 51
2482500	Mevinphos	2.62	Spike	P	0 - 31
2482500	Molinate	2.38	Spike	P	0 - 39
2482500	Myclobutanil	10.4	Spike	P	0 - 34
2482500	Naled	12.8	Spike	P	0 - 37
2482500	Napropamide	3.27	Spike	P	0 - 100
2482500	Norflurazon	9.59	Spike	P	0 - 54
2482500	Octinoxate	5.02	Spike	P	0 - 35
2482500	Oxadiazon	1.46	Spike	P	0 - 34
2482500	Oxybenzone	50.2	Spike	F	0 - 35
2482500	Oxyfluorfen	8.87	Spike	P	0 - 28
2482500	Parathion Ethyl	9.78	Spike	P	0 - 31
2482500	Parathion Methyl	20.3	Spike	P	0 - 29
2482500	PBB-153	5.39	Spike	P	0 - 49
2482500	PBDE-47	22.7	Spike	P	0 - 36
2482500	PBDE-99	25.6	Spike	P	0 - 46
2482500	Pendimethalin	6.22	Spike	P	0 - 31
2482500	Pentabromotoluene	48.4	Spike	F	0 - 16
2482500	Phenytoin	53.3	Spike	P	0 - 100
2482500	Phorate	2.37	Spike	P	0 - 36
2482500	Prodiamine	10.6	Spike	P	0 - 68
2482500	Prometon	9.99	Spike	P	0 - 35
2482500	Prometryn	7.40	Spike	P	0 - 33
2482500	Pronamide	9.91	Spike	P	0 - 24
2482500	Propanil	13.6	Spike	P	0 - 28
2482500	Propargite	21.5	Spike	P	0 - 53
2482500	Propiconazole	9.61	Spike	P	0 - 44
2482500	Pyraflufen Ethyl	2.56	Spike	P	0 - 61
2482500	Pyridaben	3.31	Spike	P	0 - 43
2482500	Pyriproxyfen	8.00	Spike	P	0 - 82
2482500	Simazine	10.9	Spike	P	0 - 29
2482500	Stirophos	9.11	Spike	P	0 - 100
2482500	Sulfentrazone	3.37	Spike	P	0 - 64
2482500	Tebuconazole	5.75	Spike	P	0 - 76
2482500	Terbufos	6.50	Spike	P	0 - 29
2482500	Terbuthylazine	9.52	Spike	P	0 - 28
2482500	Tetradecachloro-m-terphenyl	23.9	Spike	P	0 - 42
2482500	Thiobencarb	3.39	Spike	P	0 - 26
2482500	Tri-o-cresyl Phosphate	5.74	Spike	P	0 - 24
2482500	Triadimefon	0.952	Spike	P	0 - 40
2482500	Tris(1-chloro-2-propyl) phosphate (TCPP)	44.8	Spike	F	0 - 30
2482500	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	42.4	Spike	F	0 - 22
2482500	Tris(2-chloroethyl) phosphate (TCEP)	53.5	Spike	F	0 - 15

Reference Method: EPA 8321B

Batch ID: P444166

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

Reference Method: EPA 8321B
Batch ID: P444166

Replicated Lab Sample	Component	% RSD/RPD	Sample/Spike/LCS*	Pass/Fail	Control Limits
2481674	2,4-D	1.77	Spike	P	0 - 30
2481674	2,4,5-T	1.73	Spike	P	0 - 30
2481674	Acetaminophen	6.50	Spike	P	0 - 30
2481674	Acetamiprid	11.2	Spike	P	0 - 30
2481674	Afidopyropen	26.9	Spike	P	0 - 30
2481674	Bentazon	1.23	Spike	P	0 - 30
2481674	Benzovindiflupyr	0.966	Spike	P	0 - 30
2481674	Carbamazepine	1.85	Spike	P	0 - 30
2481674	Clothianidin	2.70	Spike	P	0 - 30
2481674	Dinotefuran	4.64	Spike	P	0 - 30
2481674	Diuron	0.874	Spike	P	0 - 30
2481674	Fenuron	0.656	Spike	P	0 - 30
2481674	Fluridone	3.11	Spike	P	0 - 30
2481674	Hydrocodone	2.82	Spike	P	0 - 30
2481674	Ibuprofen	4.26	Spike	P	0 - 30
2481674	Imazapyr	2.02	Spike	P	0 - 30
2481674	Imidacloprid	3.98	Spike	P	0 - 30
2481674	Linuron	7.64	Spike	P	0 - 30
2481674	Mandestrobin	3.72	Spike	P	0 - 30
2481674	MCP	2.93	Spike	P	0 - 30
2481674	Naproxen	20.3	Spike	P	0 - 30
2481674	Primidone	2.58	Spike	P	0 - 30
2481674	Pyraclostrobin	1.98	Spike	P	0 - 30
2481674	Silvex	10.8	Spike	P	0 - 30
2481674	Thiamethoxam	4.64	Spike	P	0 - 30
2481674	Tolfenpyrad	9.16	Spike	P	0 - 30
2481674	Triclopyr	11.5	Spike	P	0 - 30

Reference Method: EPA 8321B
Batch ID: P444285

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

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

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

Quality Assurance Report
Precision

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

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

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

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

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

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

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

Quality Assurance Report

Surrogates

Lab Sample ID: 2482407

Field Sample ID: G2NE1181

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8321B	2,4-D-d3	67.0	P	30 - 160
EPA 8321B	Acetaminophen-d4	92.7	P	30 - 160
EPA 8321B	Carbamazepine-d10	63.2	P	30 - 160
EPA 8321B	Diuron-d6	51.4	P	30 - 160
EPA 8321B	Endothall-d6	102	P	30 - 160
EPA 8321B	Glyphosate 13C 15N	106	P	30 - 160
EPA 8321B	Ibuprofen-d3	80.6	P	30 - 160
EPA 8321B	Primidone-d5	105	P	30 - 160
EPA 8321B	Sucralose-d6	107	P	30 - 160

Lab Sample ID: 2482411

Field Sample ID: G2NE1181

Reference Method	Surrogate	% Rec.	Pass/Fail	Control Limits
EPA 8270E	Caffeine-d9	59.6	P	20 - 200
EPA 8270E	Simazine-d10	86.9	P	58 - 137
EPA 8270E	Terbufos-d10	103	P	50 - 134
EPA 8270E	Terphenyl-d14	68.1	P	44 - 134

Quality Assurance Report

Calibration Verification

Reference Method: DEP SOP: NU-094-1
Run ID: A125338
Included Lab Sample IDs: 2482396

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Color (true)	97.4	94.9	P/P	90 - 110

Reference Method: EPA 365.1 Rev. 2.0 dissolved
Run ID: A125339
Included Lab Sample IDs: 2482398

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
O-Phosphate-P	100	99.0	P/P	90 - 110

Reference Method: EPA 180.1 Rev. 2.0
Run ID: A125340
Included Lab Sample IDs: 2482396

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

Reference Method: EPA 365.1 Rev. 2.0
Run ID: A125388
Included Lab Sample IDs: 2482397

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

Reference Method: EPA 8321B
Run ID: A125390
Included Lab Sample IDs: 2482407

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
2,4-D	104	116	P/P	50 - 150
2,4,5-T	96.3	96.5	P/P	50 - 150
Acetaminophen	100	97.9	P/P	60 - 160
Acetamiprid	113	117	P/P	50 - 150
Afidopyropen	111	102	P/P	50 - 150
Bentazon	113	113	P/P	50 - 160
Benzovindiflupyr	110	113	P/P	50 - 150
Carbamazepine	114	109	P/P	60 - 150
Clothianidin	110	101	P/P	60 - 150
Dinotefuran	120	122	P/P	50 - 150
Diuron	116	107	P/P	60 - 160
Fenuron	107	110	P/P	60 - 150
Fluridone	116	117	P/P	60 - 160
Hydrocodone	113	114	P/P	60 - 150
Ibuprofen	94.6	81.8	P/P	50 - 160
Imazapyr	101	95.3	P/P	50 - 150
Imidacloprid	109	110	P/P	60 - 150
Linuron	100	114	P/P	60 - 150
Mandestrobin	114	111	P/P	50 - 150
MCPP	99.2	102	P/P	50 - 150
Naproxen	93.6	114	P/P	50 - 160
Primidone	93.8	94.9	P/P	60 - 150
Pyraclostrobin	110	111	P/P	60 - 150

Quality Assurance Report Calibration Verification

Reference Method: EPA 8321B
Run ID: A125390
Included Lab Sample IDs: 2482407

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Silvex	106	103	P/P	50 - 150
Thiamethoxam	115	116	P/P	50 - 150
Tolfenpyrad	109	109	P/P	60 - 150
Triclopyr	99.1	92.4	P/P	50 - 150

Reference Method: SM 2320 B-2011
Run ID: A125392
Included Lab Sample IDs: 2482396

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

Reference Method: SM 4500-F- C-2011
Run ID: A125392
Included Lab Sample IDs: 2482396

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

Reference Method: EPA 350.1 Rev. 2.0
Run ID: A125397
Included Lab Sample IDs: 2482397

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

Reference Method: EPA 200.8 Rev. 5.4
Run ID: A125411
Included Lab Sample IDs: 2482408

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Aluminum	99.4	104	P/P	90 - 110
Antimony	103	105	P/P	90 - 110
Arsenic	99.4	102	P/P	90 - 110
Barium	102	104	P/P	90 - 110
Beryllium	98.6	101	P/P	90 - 110
Boron	98.6	103	P/P	90 - 110
Cadmium	102	105	P/P	90 - 110
Chromium	100	103	P/P	90 - 110
Cobalt	99.6	103	P/P	90 - 110
Copper	96.4	99.0	P/P	90 - 110
Lead	101	103	P/P	90 - 110
Manganese	99.7	104	P/P	90 - 110
Molybdenum	100	103	P/P	90 - 110
Nickel	98.4	102	P/P	90 - 110
Selenium	101	104	P/P	90 - 110
Silver	100	103	P/P	90 - 110
Thallium	102	104	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 351.2 Rev. 2.0
Run ID: A125422
Included Lab Sample IDs: 2482397

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

Reference Method: EPA 200.7 Rev. 4.4
Run ID: A125425
Included Lab Sample IDs: 2482408

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
Calcium	104	101	P/P	90 - 110
Iron	103	99.5	P/P	90 - 110
Magnesium	103	99.3	P/P	90 - 110
Potassium	101	99.7	P/P	90 - 110
Sodium	102	99.5	P/P	90 - 110
Strontium	98.8	98.4	P/P	90 - 110
Tin	98.9	97.8	P/P	90 - 110
Titanium	99.5	98.9	P/P	90 - 110
Vanadium	99.7	98.6	P/P	90 - 110
Zinc	99.8	98.5	P/P	90 - 110

Reference Method: SM 5310 B-2014
Run ID: A125441
Included Lab Sample IDs: 2482397

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

Reference Method: EPA 8321B
Run ID: A125458
Included Lab Sample IDs: 2482407

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
AMPA	96.4	99.7	P/P	60 - 160
Endothall	100	98.1	P/P	60 - 160
Glufosinate	98.8	103	P/P	60 - 160
Glyphosate	94.0	108	P/P	60 - 160

Reference Method: EPA 8321B
Run ID: A125464
Included Lab Sample IDs: 2482407

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

Reference Method: EPA 353.2 Rev. 2.0
Run ID: A125492
Included Lab Sample IDs: 2482397

Component	% Rec.1	% Rec.2	Pass/Fail*	Control Limits
NO2NO3-N	98.5	98.0	P/P	90 - 110

Quality Assurance Report Calibration Verification

Reference Method: EPA 300.0 Rev. 2.1

Run ID: A125571

Included Lab Sample IDs: 2482396

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

Reference Method: EPA 8270E

Run ID: A125611

Included Lab Sample IDs: 2482411

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

Quality Assurance Report Calibration Verification

Reference Method: EPA 8270E
Run ID: A125611
Included Lab Sample IDs: 2482411

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

Reference Method: EPA 8270E
Run ID: A125675
Included Lab Sample IDs: 2482411

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

Quality Assurance Report

Calibration Verification

Reference Method: EPA 8270E

Run ID: A125675

Included Lab Sample IDs: 2482411

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

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

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

Where they are different, both control limits are provided.

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery			Precision SMP	MS
			LCS				
DEP SOP: NU-094-1	Color (true)	98.0				0.576	
EPA 180.1 Rev. 2.0	Turbidity	102				3.88	
EPA 200.7 Rev. 4.4	Calcium	106	103	104			2.53
	Iron	110	109	110	108		0.934
	Magnesium	112	110	110	109		0.0368
	Potassium	103	103	101	100		1.40
	Sodium	104	101	102			2.88
	Strontium	98.8	96.8	96.1	97.6		0.799
	Tin	97.2	95.5	95.8	94.9		0.318
	Titanium	100	101	100	96.2		0.385
	Vanadium	99.8	99.7	99.8	100		0.0952
	Zinc	98.4	99.7	99.3	98.5		0.389
EPA 200.8 Rev. 5.4	Aluminum	106	103	103	104		0.103
	Antimony	107	106	107	107		0.216
	Arsenic	103	103	102	103		0.337
	Barium	108	106	106	108		0.0266
	Beryllium	97.6	96.7	96.3	99.7		0.327
	Boron	110	107	106	105		0.567
	Cadmium	105	103	105	105		1.33
	Chromium	107	104	104	106		0.0835
	Cobalt	105	102	102	104		0.285
	Copper	101	101	99.9	99.7		0.614
	Lead	104	104	105	105		0.250
	Manganese	109	106	106	108		0.102
	Molybdenum	104	105	104	105		1.08
	Nickel	103	99.1	99.5	103		0.390
	Selenium	103	102	103	101		1.26
	Silver	111	107	106	108		0.830
	Thallium	104	105	105	106		0.480
EPA 300.0 Rev. 2.1	Chloride	104	106	105		0.0517	
	Sulfate	105	106	106		0.333	
EPA 350.1 Rev. 2.0	Ammonia-N	96.2	98.0	99.2			1.14
EPA 351.2 Rev. 2.0	Kjeldahl Nitrogen	99.2	102	104			1.43
EPA 353.2 Rev. 2.0	NO2NO3-N	99.0	96.0	99.5			2.11
EPA 365.1 Rev. 2.0	Total-P	104	107	107			0.795
EPA 365.1 Rev. 2.0 dissolved	O-Phosphate-P	99.5	90.9	90.6			0.331
EPA 8270E	2-(2H-benzotriazol-2-yl)-4,6-ditertpe ntylphenol (UV-328)	89.9	63.9	78.7			20.8
	2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)	73.5	80.1	69.3			14.5
	Acetochlor	65.8	73.3	79.0			7.48
	Alachlor	62.4	60.2	63.1			4.72
	Ametryn	61.7	76.7	77.6			1.20
	Atrazine	68.3	102	107			2.58
	Atrazine Desethyl	76.3	86.5	95.5			9.89
	Avobenzone	97.5	106	104			1.95
	Azinphos Methyl	84.4	93.1	102			8.71
	Azoxystrobin	78.9	88.1	107			18.9
	Bromacil	70.3	90.1	102			7.15
	Butylate	53.3	47.8	52.3			8.95
	Caffeine	72.7	107	114			6.36
	Carbophenothion	72.6	85.1	89.3			4.75
	Carfentrazone Ethyl	71.9	81.0	83.4			2.90

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		LCS	Precision	MS
						SMP	
EPA 8270E	Chlorfenapyr	66.0	69.9	73.9			5.52
	Chlorpyrifos Ethyl	62.0	70.6	67.9			3.91
	Chlorpyrifos Methyl	76.6	87.2	91.9			5.21
	Coumaphos	127	148	163			9.64
	Cyanazine	92.3	97.1	110			12.2
	Cyprodinil	65.9	77.2	81.2			4.95
	Dechlorane 602	50.1	44.4	24.4			58.1
	Dechlorane 603	73.6	77.6	77.1			0.613
	Dechlorane Plus	79.2	69.9	65.9			5.95
	Demeton	64.8	77.9	78.1			0.286
	Diazinon	81.5	92.5	101			8.39
	Difenoconazole	155	168	175			4.27
	Dimethenamid	71.8	84.2	86.4			2.52
	Dimethomorph	191	196	222			12.2
	Disulfoton	71.9	85.4	91.2			6.54
	Dithiopyr	74.4	87.6	91.0			3.82
	EPTC	50.3	42.1	42.1			0.114
	Ethion	64.9	66.2	46.7			34.6
	Ethoprop	76.8	80.3	89.1			10.3
	Etridiazole	58.1	55.5	56.4			1.66
	Fenamiphos	66.6	110	127			14.1
	Fenbuconazole	32.7	30.1	53.2			55.5
	Fipronil	68.1	75.7	83.5			8.32
	Fipronil Desulfinyl	72.6	83.3	90.5			5.36
	Fipronil Sulfide	71.9	79.7	86.4			5.49
	Fipronil Sulfone	74.4	75.8	84.9			9.12
	Fluazifop-P-butyl	78.7	84.3	91.6			8.24
	Fludioxonil	75.8	72.8	87.3			18.1
	Flumioxazin	144	205	201			2.15
	Flutolanil	68.5	64.7	66.7			3.18
	Fluxapyroxad	72.2	73.8	73.6			0.223
	Fonofos	73.8	82.1	91.3			10.5
	Hexabromobenzene	56.7	67.6	46.1			38.0
	Hexazinone	71.0	79.7	81.0			1.61
	Imazalil	76.6	76.9	79.0			2.59
	Iprodione	71.2	80.1	81.3			1.51
	Loratadine	150	173	193			10.6
	Malathion	76.4	86.5	94.8			9.07
	Metalaxyl	65.9					2.49
	Metolachlor	72.2	83.0	91.7			9.93
	Metribuzin	66.4	69.7	87.3			22.5
	Mevinphos	78.5	77.1	79.1			2.62
	Molinate	64.6	60.5	62.0			2.38
	Myclobutanil	71.1	67.1	74.5			10.4
	Naled	56.7	58.4	66.4			12.8
	Napropamide	72.3	68.3	66.1			3.27
	Norflurazon	76.1	72.6	88.0			9.59
	Octinoxate	57.8	63.7	67.0			5.02
	Oxadiazon	71.5	81.0	82.7			1.46
	Oxybenzone	124	116	194			50.2
	Oxyfluorfen	79.8	100	110			8.87
	Parathion Ethyl	70.9	85.6	94.4			9.78
	Parathion Methyl	81.5	91.8	113			20.3
	PBB-153	75.5	81.2	85.6			5.39

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision SMP	MS
			LCS			
EPA 8270E	PBDE-47	57.6	59.4	47.3		22.7
	PBDE-99	57.8	56.8	43.9		25.6
	Pendimethalin	78.4	108	115		6.22
	Pentabromotoluene	119	96.8	159		48.4
	Phenytoin	29.1	19.8	11.4		53.3
	Phorate	74.3	88.2	90.3		2.37
	Prodiamine	31.7	38.9	43.3		10.6
	Prometon	70.6	76.7	84.8		9.99
	Prometryn	68.8	78.8	84.9		7.40
	Pronamide	80.0	103	93.7		9.91
	Propanil	83.7	100	87.4		13.6
	Propargite	74.1	61.7	76.5		21.5
	Propiconazole	62.2	69.4	63.1		9.61
	Pyraflufen Ethyl	75.0	85.4	83.3		2.56
	Pyridaben	99.2	128	132		3.31
	Pyriproxyfen	91.7	83.0	89.9		8.00
	Simazine	73.8	90.1	80.8		10.9
	Stirophos	67.9	67.1	73.5		9.11
	Sulfentrazone	55.6	79.8	77.2		3.37
	Tebuconazole	58.6	45.2	47.8		5.75
	Terbufos	79.4	95.1	89.1		6.50
	Terbuthylazine	79.9	99.1	90.1		9.52
	Tetradecachloro-m-terphenyl	80.6	85.3	108		23.9
	Thiobencarb	74.1	84.7	81.8		3.39
	Tri-o-cresyl Phosphate	70.3	78.8	83.5		5.74
	Triadimefon	66.5	75.0	74.3		0.952
	Tris(1-chloro-2-propyl) phosphate (TCPP)	140	116	183		44.8
	Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	141	117	180		42.4
	Tris(2-chloroethyl) phosphate (TCEP)	158	117	203		53.5
EPA 8321B	2,4-D	147	157	154		1.77
	2,4,5-T	118	104	102		1.73
	Acesulfame K	100	121	126		3.97
	Acetaminophen	77.6	97.0	90.9		6.50
	Acetamiprid	100	92.4	82.6		11.2
	Afidopyropen	74.2	78.5	59.8		26.9
	AMPA	102	102	106		3.60
	Bentazon	106	103	70.2		1.23
	Benzovindiflupyr	89.3	85.8	86.6		0.966
	Carbamazepine	78.7	58.8	57.7		1.85
	Clothianidin	97.1	103	100		2.70
	Dinotefuran	113	114	109		4.64
	Diuron	70.7	51.4	50.9		0.874
	Endothall	114	97.1	108		10.8
	Fenuron	101	79.9	79.4		0.656
	Fluridone	95.1				3.11
	Glufosinate	101	95.9	103		7.18
	Glyphosate	98.8	107	114		6.41
	Hydrocodone	98.8	89.5	87.0		2.82
	Ibuprofen	81.1	81.9	85.5		4.26
	Imazapyr	101				2.02
	Imidacloprid	96.8	128	122		3.98

Quality Assurance Report Summary

Ref. Method	Analyte	LCS % Recovery	MS % Recovery		Precision	
					LCS	SMP
EPA 8321B	Linuron	70.1	63.6	68.7		7.64
	Mandestrobin	94.4	87.3	84.1		3.72
	MCP	135	129	133		2.93
	Naproxen	76.7	70.3	86.2		20.3
	Primidone	86.2	109	106		2.58
	Pyraclostrobin	82.4	89.8	88.1		1.98
	Silvex	107	107	96.4		10.8
	Sucralose	105	110	92.5		13.6
	Thiamethoxam	95.5	95.5	91.1		4.64
	Tolfenpyrad	60.0	66.9	73.3		9.16
	Triclopyr	113	97.7	110		11.5
SM 2320 B-2011	Total Alkalinity	98.8				4.08
SM 2540 C-2015	TDS	102				3.53
SM 2540 D-2015	TSS	98.4				
SM 4500-F- C-2011	Fluoride	98.8	100	101		0.470
SM 5310 B-2014	Organic Carbon	100	98.0	98.1		0.0900

Reference Method Descriptions

Method	Description	Associated Samples
DEP SOP: NU-094-1	True Color measured at 450 nm (not valid for NPDES monitoring)	2482396
EPA 180.1 Rev. 2.0	Turbidity in aqueous matrices	2482396
EPA 200.7 Rev. 4.4	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects	2482408
EPA 200.8 Rev. 5.4	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects	2482408
EPA 300.0 Rev. 2.1	Chloride in aqueous matrices	2482396
EPA 300.0 Rev. 2.1	Sulfate in aqueous matrices	2482396
EPA 350.1 Rev. 2.0	Ammonia in aqueous matrices as mg N/L	2482397
EPA 351.2 Rev. 2.0	Total Kjeldahl Nitrogen in aqueous matrices	2482397
EPA 353.2 Rev. 2.0	Nitrite/Nitrate in aqueous matrices as mg N/L	2482397
EPA 365.1 Rev. 2.0	Total Phosphorus in aqueous matrices as mg P/L	2482397
EPA 365.1 Rev. 2.0 dissolved	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L	2482398
EPA 8270E	Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM	2482411
EPA 8270E	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS	2482411
EPA 8321B	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS	2482407
SM 2320 B-2011	Alkalinity in aqueous matrices as mg CaCO3/L	2482396
SM 2340 B-2011	Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3	2482408
SM 2540 C-2015	Total Dissolved Solids in aqueous matrices	2482396
SM 2540 D-2015	Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample	2482396
SM 4500-F- C-2011	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)	2482396
SM 5310 B-2014	Nonpurgeable Organic Carbon in aqueous matrices	2482397

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
DEP SOP: NU-094-1	04/16/2024			04/16/2024 14:05	Jessica K Wilks	2482396
EPA 180.1 Rev. 2.0	04/16/2024			04/16/2024 13:11	Khloe J Berg	2482396
EPA 200.7 Rev. 4.4	04/16/2024	04/17/2024 13:45	George D Taylor	04/18/2024 17:16	Chase Roberts	2482408
EPA 200.8 Rev. 5.4	04/16/2024	04/17/2024 13:45	George D Taylor	04/19/2024 00:22	McKinley C Carter	2482408
EPA 300.0 Rev. 2.1	04/16/2024			04/26/2024 09:46	Samantha L Bates	2482396
EPA 350.1 Rev. 2.0	04/16/2024			04/18/2024 13:41	Khloe J Berg	2482397
EPA 351.2 Rev. 2.0	04/16/2024	04/18/2024 12:19	Ping Hua	04/19/2024 10:43	Ping Hua	2482397
EPA 353.2 Rev. 2.0	04/16/2024			04/23/2024 14:49	Fadila Guebre	2482397
EPA 365.1 Rev. 2.0	04/16/2024	04/17/2024 13:05	Adam P Silver	04/18/2024 11:47	Simonne.V. Calhoun	2482397
EPA 365.1 Rev. 2.0 dissolved	04/16/2024			04/16/2024 14:42	Elise M. Gillis	2482398
EPA 8270E	04/16/2024	04/17/2024 08:00	Rasheda Ghaffari	04/22/2024 19:17	Arthur Maknenko	2482411
	04/16/2024	04/17/2024 08:00	Rasheda Ghaffari	04/24/2024 23:03	Julie Wi	2482411
EPA 8321B	04/16/2024	04/17/2024 09:00	Hoor Shaik	04/18/2024 01:52	Juyoung Kim	2482407
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/18/2024 02:11	Samatha Luckman	2482407
	04/16/2024	04/17/2024 16:00	Samatha Luckman	04/19/2024 15:54	Samatha Luckman	2482407
SM 2320 B-2011	04/16/2024			04/17/2024 20:40	Dale L. Simmons	2482396
SM 2340 B-2011	04/16/2024			04/18/2024 17:16	Chase Roberts	2482408
SM 2540 C-2015	04/16/2024			04/19/2024 16:49	Yijie Li	2482396
SM 2540 D-2015	04/16/2024			04/19/2024 16:49	Yijie Li	2482396
SM 4500-F- C-2011	04/16/2024			04/17/2024 20:40	Dale L. Simmons	2482396
SM 5310 B-2014	04/16/2024			04/20/2024 00:32	Kenneth H Lee	2482397